WSMR Environmental Document ES-EC-TO-065-08-239

FINAL

LONG TERM MONITORING PROGRAM REPORT

Multiple Sites: CCWS-06 (SWMUs 50, 155), CCWS-07 (SWMUs 41-46), CCWS-09 (SWMU 198), CCWS-11 (SWMU 55, 56, 56a), CCWS-16 (SWMU 197), CCWS-65 (SWMU 61), CCWS-75 (SWMUs 38, 39), CCWS-76 (SWMU 65), WSMR-14 (SWMUs 114, 115), WSMR-41 (SWMU 108), WSMR-54 (SWMU 143), WSMR-55 (SWMU 154), WSMR-62 (SWMU 82), WSMR-85, and WSMR-71 (SWMUs 47, 48)

WHITE SANDS MISSILE RANGE

INSTALLATION RESTORATION PROGRAM AND
COMPLIANCE CLEANUP PROGRAMS

June 2008

White Sands Missile Range
Directorate of Public Works - Environment Division
White Sands Missile Range, New Mexico 88002
EPA ID# NM 2750211235

WHITE SANDS TECHNICAL SERVICES

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.

1. REPORT DATE *(DD-MM-YYYY)*	**2. REPORT TYPE**	**3. DATES COVERED** *(From - To)*
June 2008	Final	Jan – Dec 2007

4. TITLE AND SUBTITLE

2007 Long Term Monitoring Program Report, Multiple Sites: CCWS-06 (SWMUs 50, 155), CCWS-07 (SWMUs 41-46), CCWS-09 (SWMU 198), CCWS-11 (SWMU 55, 56, 56a), CCWS-16 (SWMU 197), CCWS-65 (SWMU 61), CCWS-75 (SWMUs 38, 39), CCWS-76 (SWMU 65), WSMR-14 (SWMUs 114, 115), WSMR-41 (SWMU 108), WSMR-54 (SWMU 143), WSMR-55 (SWMU 154), WSMR-62 (SWMU 82), WSMR-85, and WSMR-71 (SWMUs 47, 48), White Sands Missile Range Installation Restoration and Compliance Cleanup Programs, Facility ID# NM2750211235

5a. CONTRACT NUMBER
W9124Q-04-D-0012

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

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5e. TASK NUMBER
TO-065

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5f. WORK UNIT NUMBER

8. PERFORMING ORGANIZATION REPORT NUMBER
ES-EC-TO-065-08-239

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
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10. SPONSOR/MONITOR'S ACRONYM(S)

11. SPONSORING/MONITORING AGENCY REPORT NUMBER
ES-EC-TO-065-08-239

12. DISTRIBUTION AVAILABILITY STATEMENT

13. SUPPLEMENTARY NOTES

14. ABSTRACT This report presents the results of groundwater sampling and other activities at various sites on WSMR. The format of this report follows the guidance provided by the New Mexico Environmental Department – Hazardous and Radioactive Materials Bureau in the February 2003 Position Paper, *General Reporting Requirements for Routine Groundwater Monitoring at RCRA Sites*. The investigative efforts are pursuant to Module VIII, Section S, Task III of the 1989 WSMR RCRA permit. These efforts focus on source characterization and defining contaminant characteristics as stated under Task III.

15. SUBJECT TERMS
Solid Waste Management Units, SWMU, Installation Restoration and Compliance Cleanup Program, IRP, monitor well, landfill, Resource Conservation and Recovery Act, RCRA

16. SECURITY CLASSIFICATION OF:			**17. LIMITATION OF ABSTRACT**	**18. NUMBER OF PAGES**	**19a. NAME OF RESPONSIBLE PERSON**
a. REPORT	**b. ABSTRACT**	**c. THIS PAGE**			
unclassified	unclassified	unclassified	none	71	José Gallegos
					19b. TELEPHONE NUMBER (*Include area code*) 575-678-1007

Prescribed by ANSI-Std Z39-18 Standard Form 298 (Rev. 8-98)

2007 LONG TERM MONITORING PROGRAM REPORT

MULTIPLE SITES:

CCWS-06 (SWMUs 50, 155)
CCWS-07 (SWMUs 41-46)
CCWS-09 (SWMU 198)
CCWS-11 (SWMU 55, 56, 56a)
CCWS-16 (SWMU 197)
CCWS-65 (SWMU 61)
CCWS-75 (SWMUs 38, 39)
CCWS-76 (SWMU 65)
WSMR-14 (SWMUs 114, 115)
WSMR-41 (SWMU 108)
WSMR-54 (SWMU 143)
WSMR-55 (SWMU 154)
WSMR-62 (SWMU 82)
WSMR-85 and WSMR-71 (SWMUs 47, 48)

WHITE SANDS MISSILE RANGE INSTALLATION RESTORATION AND COMPLIANCE CLEANUP PROGRAMS

FACILITY ID NM2750211235

Submitted to:

U.S. Army
White Sands Missile Range
Directorate of Public Works - Environment Division
White Sands Missile Range, New Mexico 88002-5048

June 2008

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EXECUTIVE SUMMARY

This report serves to document the status of groundwater monitoring and other activities taking place during calendar year 2007 at 15 sites, listed in Table EX-1 and displayed on Figure EX-1, at White Sands Missile Range (WSMR), New Mexico, Environmental Protection Agency/New Mexico Environment Department (EPA/NMED) ID No. NM2750211235. The format of this report follows the guidance provided by the New Mexico Environmental Department – Hazardous and Radioactive Materials Bureau in the February 2003 Position Paper, *General Reporting Requirements for Routine Groundwater Monitoring at RCRA Sites*. The investigative efforts are pursuant to Module VIII, Section S, Task III of the 1989 WSMR RCRA permit. These efforts focus on source characterization and defining contaminant characteristics as stated under Task III. Other requirements pertaining to a specific site are explained in the section of this report addressing that site. Complete analytical data sets from each event are provided on the data CD (Appendix F).

An earlier report (WTS 2007a) presented a compilation of letter reports of sampling that took place during the first six months of this year. This report integrates all events for the full calendar year. With the exception of HELSTF, sites are presented in order of CC/IRP ID number.

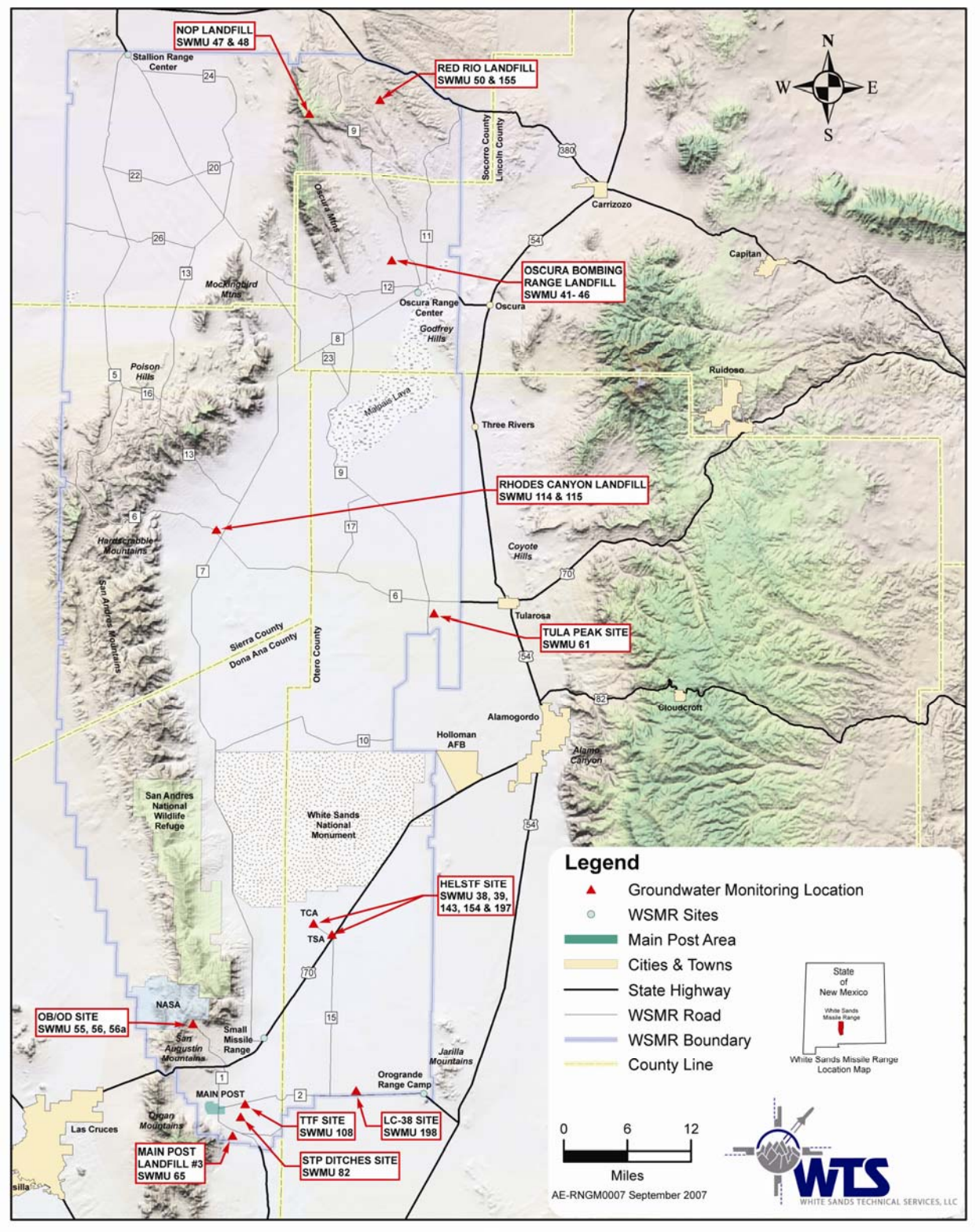

FIGURE EX-1. LOCATIONS OF SITES ADDRESSED IN THIS REPORT

TABLE EX-1. WSMR RCRA-RELATED GROUNDWATER MONITORING ACTIVITIES

	Site ID [1,2]	Site Name	SWMU Designation	Monitoring Schedule	Latest Sampling Event	Separate Permit	No. Wells	Comments	Summary of Significant Findings
1	CCWS-06	Red Rio Landfill	50, 155	Annual	August 2001	N	4	IGWM [3]	No monitoring activities have occurred during the reporting period.
2	CCWS-07	Oscura Bombing Range Landfill	41-46	Annual	August 2001	N	4	IGWM	No monitoring activities have occurred during the reporting period.
3	CCWS-09	LC-38 Diesel Spill	198	Annual	March 2007	N	4	GWM	No product was detected on the water table. Resampling confirmed the absence of volatiles and RCRA metals.
4	CCWS-11	OB/OD	55, 56, 56a	Quarterly	July 2007	Y	26	GWM [4] (USGS)	Observations of nitrate, perchlorate, and RDX are consistent with previous sampling events.
5	CCWS-16	HELSTF TSA Spill	197	Annual	March 2007	N	4	GWM	No BTEX was detected in the monitor wells. However, MTBE was confirmed in one well in the regional aquifer.
6	CCWS-65	Tula Peak Incinerator Site	61	Annual	August 2001	N	4	IGWM	No monitoring activities have occurred during the reporting period.
7	WSMR-14	Rhodes Canyon Landfill	114, 115	Annual	July 2007	Y	4	O&M [5] / GWM	No COCs were detected in the monitor wells. Re-vegetation had increased to 27% of surface area as of August 2007
8	WSMR-41	TTF MeCl Spill	108	Semi-Annual	November 2006	Y	4	O&M / GWM	Monitoring suspended as of March 2007. Abandonment of all monitor wells accomplished in December 2007.
9	WSMR-52, changing to CCWS-75	HELSTF Construction Landfill	38, 39	Semi-Annual	August 2007	N	5		See WSMR-85
10	WSMR-54	HELSTF Chromate Spill	143	Semi-Annual	August 2007	N	9		See WSMR-85
11	WSMR-55	HELSTF Systemic Diesel Spill	154	Semi-Annual	August 2007	N	11	O&M / GWM	See WSMR-85
12	WSMR-61, changing to CCWS-76	Main Post Landfill 3	65	n/a	August 2001	N	4	RFIA [6]	No monitoring activities have occurred during the reporting period. Substantial quantities of surface debris were removed during 2007. Four new monitor wells installed in November-December 2007. Sampling occurred February 2008.
13	WSMR-62	Former STP Percolation Ditches	82	Semi-Annual	January 2008	N	26	RFIA	Cyanide remains the only contaminant of concern and the only constituent detected above the relevant groundwater standard.
14	WSMR-85	HELSTF Groundwater Study	–	n/a	October 2007	N	n/a	Inclusive of IRP Sites WSMR -52, -54, -55	Observations are consistent with previous sampling events. Additional monitoring data are provided in the RFI Report.
15	WSMR-71	North Oscura Peak Landfill	47, 48	n/a	n/a	N	n/a		

1. CCWS = Compliance/Cleanup Program Site
2. WSMR = Installation Restoration Program Site
3. IGWM = Inactive Groundwater Monitoring Program
4. GWM = Groundwater Monitoring Program
5. O&M = Operations and Maintenance
6. RFIA = RCRA Facility Investigation Activity

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LIST OF ACRONYMS

AST	above ground storage tank
ASTM	ASTM International (formerly American Society for Testing Materials)
AOC	Area of Concern
AUA	Annual Unit Audit
bgs	below ground surface
BTEX	benzene, toluene, ethyl benzene and xylene
bTOC	below top of casing
CCWS	Compliance/Cleanup Program for White Sands Missile Range
CMI	Corrective Measures Implementation
CMS	Corrective Measures Study
COC	contaminant of concern
EPA	U. S. Environmental Protection Agency
ft	foot, feet
HazMinCen	(WSMR) Hazardous Materials Minimization Center, NOW Hazardous Waste Management Center (HWMC)
HELSTF	High Energy Laser Systems Test Facility
HSWA	Hazardous and Solid Waste Amendments
HWB	(New Mexico Environment Department) Hazardous Waste Bureau
HWMC	Hazardous Waste Management Center
IDW	investigation-derived wastes
IGWM	inactive groundwater monitoring program
Incin	Incinerator (NMED Designation)
IRP	Installation Restoration Program
LC	Launch Complex
LDU	Land Disposal Unit (NMED designation)
LOC	length of casing (above ground surface)
mg/L	milligrams per liter
mL/min	milliliters per minute
MNA	Monitored Natural Attenuation
MTBE	Methyl tert-butyl ether
MeCl	methylene chloride
NAD83	North American Datum of 1983
NAVD88	North American Vertical Datum of 1988
ND	not detected or not determined
NELAP	National Environmental Laboratory Accreditation Program
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMSA	New Mexico Statutory Authority
NMWQCC	New Mexico Water Quality Control Commission
O&M	Operations and Maintenance
OB/OD	Open Burn/Open Detonation
ORP	oxidation-reduction potential
PCC	Post Closure Care
PCCP	Post Closure Care Permit
PCCU	Post Closure Care Unit
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
RCRC	Rhodes Canyon Range Center
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RFIA	RCRA Facility Investigation Activity
QA	quality assurance
QC	quality control

SI	Surface Impoundment (NMED designation)
SOP	standard operating procedure
STP	sewage treatment plant
SVE	Soil vapor extraction
SVOC	semi-volatile organic compound
SWMU	solid waste management unit
TCE	Trichloroethylene
TD	total depth
TOC	top of casing
TPH	total petroleum hydrocarbons
TSA	Technical Support Area
TTF	Temperature Test Facility
µg/L	micrograms per liter
USGS	United States Geological Survey
VEDRS	vacuum enhanced diesel recovery system
VOC	volatile organic compound
WSMR	White Sands Missile Range

2007 LONG TERM MONITORING REPORT
WHITE SANDS MISSILE RANGE

1.0 INTRODUCTION

This report serves to document the status of groundwater monitoring and other activities completed during calendar year 2007 at 15 sites, listed in Table 1 and displayed on Figure 1, at White Sands Missile Range (WSMR), New Mexico, Environmental Protection Agency/New Mexico Environment Department (EPA/NMED) ID No. NM2750211235. The format of this report follows the guidance provided by the NMED – Hazardous and Radioactive Materials Bureau (HRMB) in the February 2003 Position Paper, *General Reporting Requirements for Routine Groundwater Monitoring at RCRA Sites*. WSMR Resource Conservation and Recovery Act (RCRA) activities are governed by Hazardous Waste Permit NM2750211235, issued 24 October 1989, and amended 17 August 1992. The investigative efforts are pursuant to Module VIII, Section S, Task III of this permit. These efforts focus on source characterization and defining contaminant characteristics as stated under Task III. Other requirements pertaining to a specific site are explained in the section of this report addressing the specific site.

TABLE 1. WSMR RCRA-RELATED GROUNDWATER MONITORING ACTIVITIES

	Site ID [1,2]	Site Name	SWMU Designation	Monitoring Schedule	Separate Permit	No. Wells	Latest Sampling Event	Comments
1	CCWS-06	Red Rio Landfill	50, 155	Annual	N	4	August 2001	IGWM [3]
2	CCWS-07	Oscura Bombing Range Landfill	41-46	Annual	N	4	August 2001	IGWM
3	CCWS-09	LC-38 Diesel Spill	198	Annual	N	4	March 2006	GWM [4]
4	CCWS-11	OB/OD	55, 56, 56a	Quarterly	Y	26	July 2007	GWM (USGS)
5	CCWS-16	HELSTF TSA Spill	197	Annual	N	4	March 2007	GWM
6	CCWS-65	Tula Peak Incinerator Site	61	Annual	N	4	August 2001	IGWM
7	WSMR-14	Rhodes Canyon Landfill	114, 115	Annual	Y	4	July 2007	O&M [5] / GWM
8	WSMR-41	TTF MeCl Spill	108	Semi-Annual	Y	4	November 2006	O&M / GWM
9	WSMR-52, changing to CCWS-75	HELSTF Construction Landfill	38, 39	Semi-Annual	N	5	August 2007	GWM
10	WSMR-54	HELSTF Chromate Spill	143	Semi-Annual	N	9	September 2007	GWM
11	WSMR-55	HELSTF Systemic Diesel Spill	154	Semi-Annual	N	11	September 2007	O&M / GWM
12	WSMR-61, changing to CCWS-76	Main Post Landfill 3	65	n/a	N	4	August 2001	RFIA [6]
13	WSMR-62	Former STP Percolation Ditches	82	Semi-Annual	N	26	January 2008	RFIA
14	WSMR-85	HELSTF Groundwater Study	–	n/a	N	n/a	n/a	Inclusive of IRP Sites WSMR -52, -54, -55
15	WSMR-71	North Oscura Peak Landfill	47, 48	n/a	N	n/a	n/a	

1. CCWS = Compliance/Cleanup Program Site
2. WSMR = Installation Restoration Program Site
3. IGWM = Inactive Groundwater Monitoring Program
4. GWM = Groundwater Monitoring Program
5. O&M = Operations and Maintenance
6. RFIA = RCRA Facility Investigation Activity

n/a = not applicable

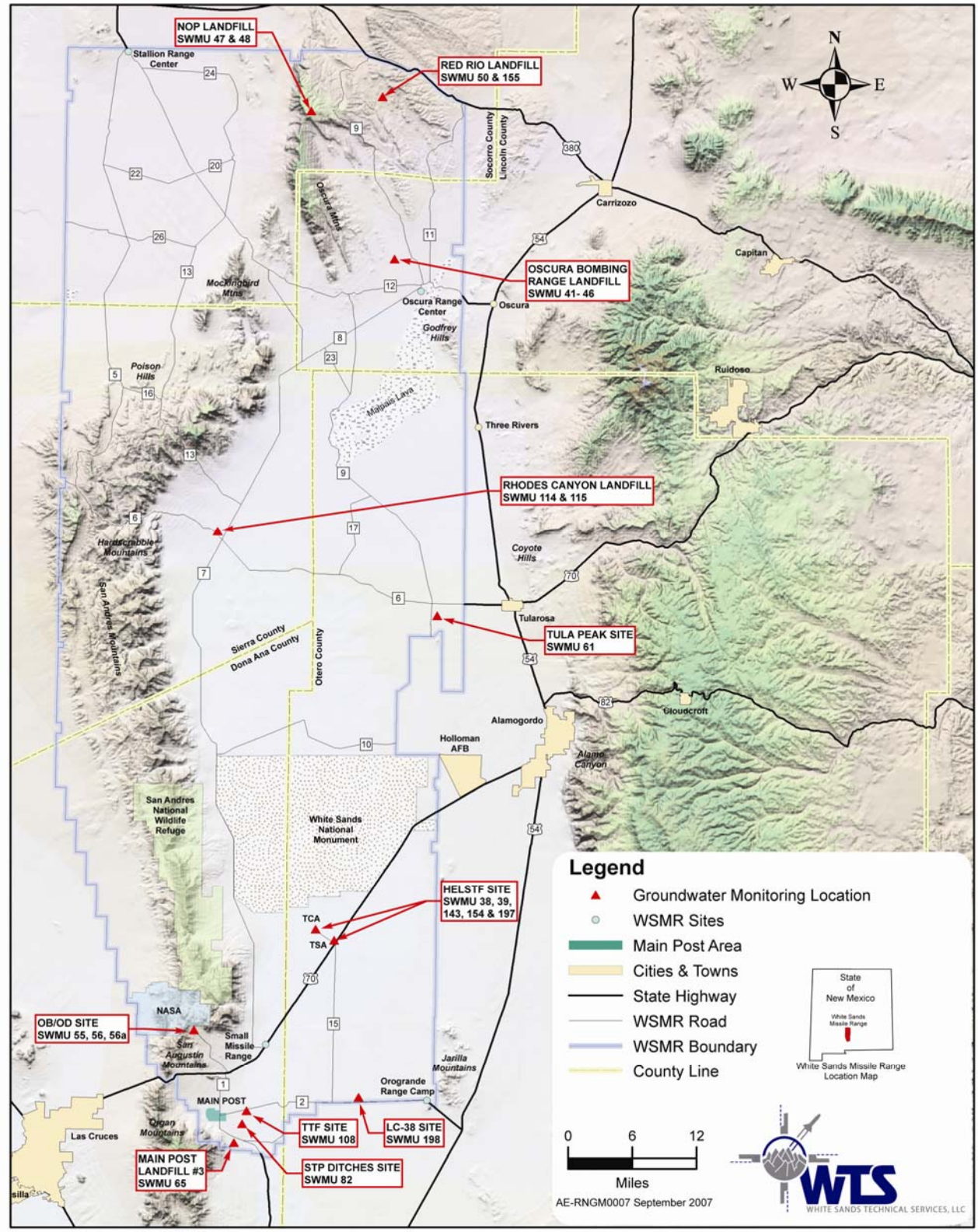

FIGURE 1. LOCATIONS OF SITES ADDRESSED IN THIS REPORT

Background

WSMR is a US Army test facility, located in south-central New Mexico within the Tularosa Basin, with areas along the western and northwestern boundary extending into the Jornada del Muerto Basin. WSMR is the largest land-area military installation in the United States, covering nearly 3,200 square miles. The installation is approximately 100 miles long and 25 to 40 miles wide.

WSMR functions as an outdoor laboratory consisting of a large complex of test ranges, launch sites, impact areas and instrumentation sites required to develop and test tactical and strategic weapons and weapons systems. WSMR is designated as a national range whose mission is the support of missile development and other test programs for the Army, Navy, Air Force, National Aeronautics and Space Administration, and other government agencies.

The WSMR Main Post area is located at the southwestern corner of the installation, approximately 27 miles east-northeast of Las Cruces, New Mexico and 45 miles north of El Paso, Texas. WSMR headquarters and most installation support activities are located within the Main Post area.

Scope of Services

Groundwater monitoring was the major activity performed at these sites. WSMR has temporarily suspended groundwater monitoring activities at a portion of the sites due to issues specific to these sites. At sites where low-flow purging techniques were utilized, the procedures followed are given in *Standard Practice for Low-Flow Purging and Sampling for Wells and Devices Used for Ground-Water Quality Investigations* (ASTM International, 2002) and the NMED Position Paper - *Use of Low-Flow and Other Non-Traditional Sampling Techniques for RCRA Compliant Groundwater Monitoring* (NMED-HWB, 2001). Unless otherwise noted, chemical analyses were performed by Trace Analysis, Inc. of El Paso and Lubbock TX, a National Environmental Laboratory Accreditation Program (NELAP)-accredited laboratory. Completed chain of custody forms are provided with the analytical data reports on the accompanying data CD (Appendix F). Purge water generated during each of the sampling events has been disposed of through the WSMR Hazardous Waste Management Center (HWMC).

Regulatory Criteria and Status

The regulatory status of the various WSMR sites is presented in Table 2 and further discussed below. Potentially applicable standards for concentrations of constituents in the groundwater at WSMR can be found in the New Mexico Water Quality Control Commission (NMWQCC) regulations for groundwater protection as referenced in 20.9.1.1100 NMAC. No cleanup levels have been established for any WSMR Solid Waste Management Unit (SWMU). These status statements may change upon final publication of the WSMR Hazardous Waste Permit (currently under review in draft). The investigative efforts are pursuant to Module VIII, Section S, Task III of the 1989 WSMR RCRA permit. These efforts focus on source characterization and defining contaminant characteristics as stated under Task III.

TABLE 2. REGULATORY STATUS OF SITES

Site	SWMU Designation	NMED (2006) Designation	Current Regulatory Status	Notes
Red Rio Landfill	(North) 50, (South) 155	LDU-11 LDU-12	Regulated unit, Interim status – active bombing range	
Oscura Bombing Range Landfill	41, 42, 43, 44, 45, 46	LDU-13 to -18	Regulated unit, Interim status – active bombing range	
Launch Complex 38 Diesel Spill	198	SWMU	Annual GWM	Corrective action unit
OB / OD	55, 56, 56a	OB/OD-1, -2, and -3	Regulated unit awaiting Post Closure Care Permit; quarterly GWM	

TABLE 2. REGULATORY STATUS OF SITES

Site	SWMU Designation	NMED (2006) Designation	Current Regulatory Status	Notes
HELSTF TSA Spill	197	SWMU	Annual GWM	Corrective action unit Groundwater TDS > 10,000 ppm
Tula Peak Incinerator Site	61	Incin-1	Regulated unit, Inactive	Associated with LDU-1, SWMU 57
Rhodes Canyon Landfill	114, 115	(114) LDU-5 (115) SWMU	Post Closure Care; annual GWM	
TTF Methylene Chloride Spill	108	PCCU-1	Post Closure Care Permit #NM2750211235-PCC	NMED concurs that site is clean-closed
HELSTF Construction Landfill	38, 39	LDU-6 LDU-9	Regulated unit, Phase III RCRA RFI	Groundwater TDS > 10,000 ppm
HELSTF Chromate Spill	143	SWMU	Phase III RCRA RFI	Corrective action unit Groundwater TDS > 10,000 ppm
HELSTF Systemic Diesel Spill	154	SWMU	Phase III RCRA RFI	Corrective action unit Groundwater TDS > 10,000 ppm
Main Post Landfill No. 3	65	LDU-10	Regulated unit, Inactive – awaiting Phase III RFI	
STP Percolation Ditches	82	SI-3	Regulated unit, Semiannual GWM	Requires Closure Plan
North Oscura Peak Landfill	47, 48	SWMU	Regulated unit, All waste removed in 2002. Site Proposed for NFA and Class III Permit Modification	

GWM – groundwater monitoring
NFA – No Further Action
LDU – Land Disposal Unit
Incin – Incinerator
SI – Surface Impoundment

Remediation System Monitoring and Additional Site Activities

Of the sites discussed in this document, three have had remediation systems operating in the past: the Temperature Test Facility (TTF) Methylene Chloride Spill, the High Energy Laser Systems Test Facility (HELSTF) Diesel Spill, and the HELSTF Technical Support Area (TSA) Gasoline Spill. The HELSTF Diesel Spill (SWMU 154) has an idle remediation system consisting of a vacuum enhanced diesel recovery system (VEDRS). The remediation systems at the other two sites have been dismantled. Additionally, Rhodes Canyon Landfill (SWMUs 114 and 115) and the North Oscura Peak Landfill (SWMUs 47 and 48), have been the subject of past remediation efforts. In 2008, WSMR will continue to explore the potential to install a new remediation system at the HELSTF TSA Gasoline Spill to continue remediation efforts at the site.

2.0 RED RIO BOMBING RANGE LANDFILLS (SWMUS 50 & 155) (CCWS-06)

Red Rio Bombing Range, located in northeastern WSMR (Figure 1), is an active (live-fire) bombing range. Common practice from 1967 to 1987 was to dispose of munitions and dummy projectiles in trenches with earthen cover. Red Rio Landfill consists of six inactive RCRA-regulated munitions disposal areas located northwest of the bombing range. The disposal areas were designated as SWMUs 50, 51, 52, 53, 54, and 155. SWMUs 50-54 are collocated and approximately two miles northwest of SWMU 155. According to the NMED 2007 Annual Fee Letter (NMED 2007), Table A, SWMUs 50-54 are consolidated as SWMU 50 and listed as operating unit LDU-11. SWMU 155 is listed as operating unit LDU-12. Four monitor wells were installed in 1995 around each of the two disposal areas (Figure 2). Construction details are provided in Table 3. Only one of the wells, RRW-02, consistently has a limited quantity (no more than a liter) of water. WSMR conducted periodic groundwater monitoring from 1995 to 2001. The site currently has no active groundwater monitoring program and is considered in interim status while the bombing range is still in active use. Red Rio Landfill is a RCRA regulated unit. No regulatory action has taken place for a number of years.

TABLE 3. CONSTRUCTION DETAILS FOR RED RIO BOMBING RANGE MONITOR WELLS

Well No.*	Northing[1]	Easting[1]	Elevation[2] Brass Marker (ft)	Elevation[2] Top of PVC (ft)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)
RRW-1	3738031.031	384776.011	6,318.58	6,320.84	52.00	27-47
RRW-2	3738039.692	384740.972	6,314.87	6,317.04	68.00	53-63
RRW-3	3737985.256	384707.619	6,304.82	6,307.26	46.60	27-37
RRW-4	3737917.187	384677.742	6,298.69	6,301.12	46.00	26-41
RRW-5	3734731.294	385873.577	6,011.09	6,013.53	22.00	7-17
RRW-6	3734660.524	385871.138	6,005.59	6,008.11	15.00	3-7
RRW-7	3734683.058	385920.922	6,005.88	6,008.35	30.25	15-25
RRW-8	3734647.186	385908.747	6,002.6	6,004.98	21.40	6-16

Notes: 1. Universal Transverse Mercator Coordinate System, Zone 13, NAD83
2. Elevations are based on North American Vertical Datum, 1988 (NAVD88)
* All wells are 4" diameter PVC.

Subsurface geologic conditions at Red Rio Bombing Range Landfills were characterized using stratigraphic descriptions logged during borehole drilling activities in 1995. The stratigraphy consists of a thin (a few feet) to missing layer of alluvium or colluvium overlying weathered, fractured bedrock. The unconsolidated deposits are characterized as thinly bedded, alternating sequences of sandy silt and silty sands. Bedrock in this locality is described as highly fractured siltstone.

2.1 Scope of Services

Red Rio Bombing Range is currently an active bombing range. As such, no groundwater monitoring activities took place at this site during the calendar year. Due to the active (live-fire range in continuous use) status of this site, no groundwater monitoring activities are planned for next year.

2.2 Regulatory Criteria

The disposal sites are on an active bombing range and under interim status. The landfills are RCRA regulated units and the Munitions Rule does not apply. No regulatory action has taken place for a number of years. The current active (live-fire) range status precludes safe access, preventing continued monitoring activities.

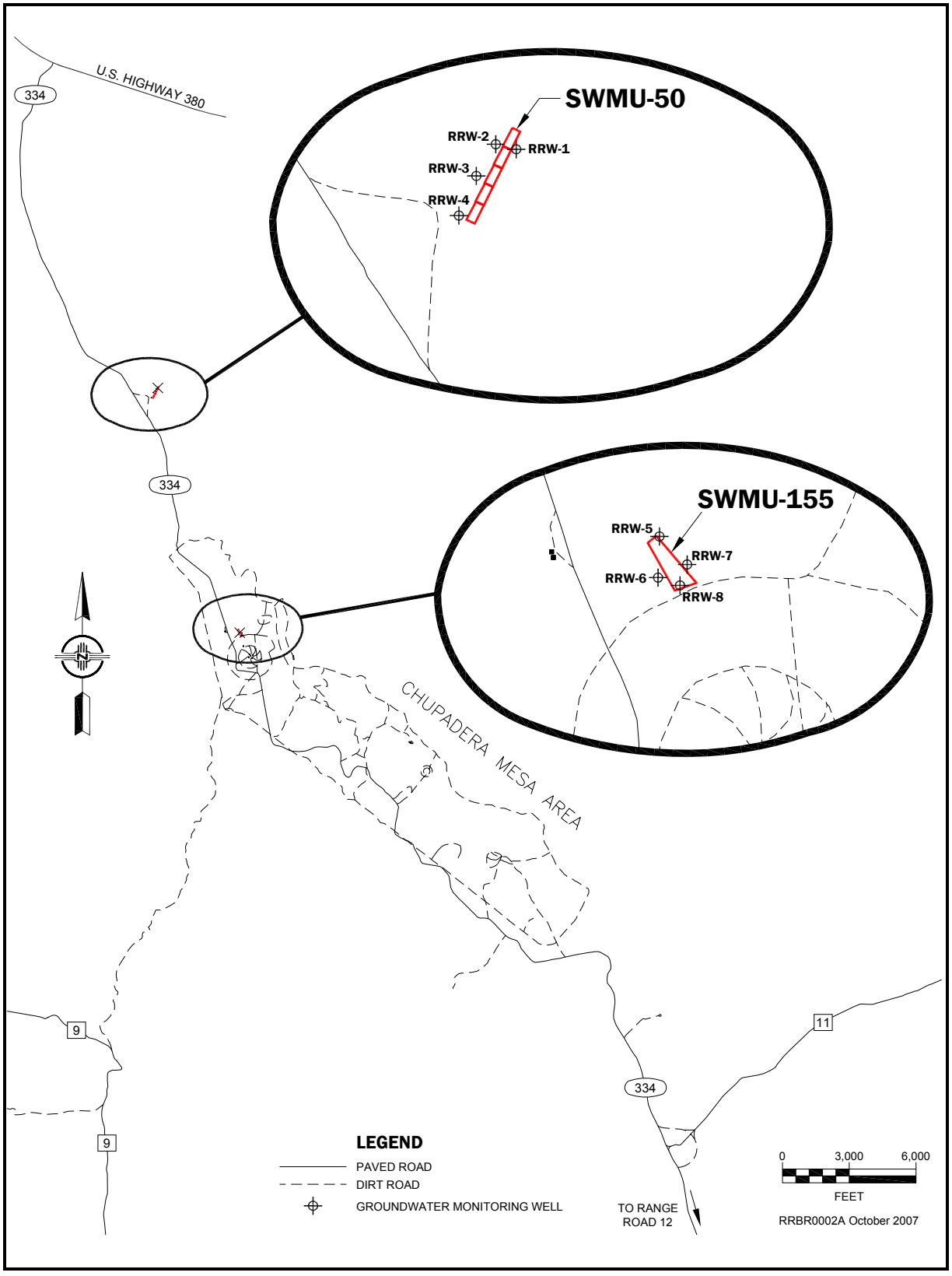

FIGURE 2. RED RIO BOMBING RANGE LANDFILLS (SWMUS 50 & 155) (CCWS-06) SITE MAP

2.3 Groundwater Monitoring Results

Red Rio Bombing Range is currently an active bombing range. No groundwater monitoring activities took place at this site during this calendar year. The last sampling event occurred in 2001. No groundwater monitoring activities are funded or planned.

2.4 Remediation System Monitoring and Additional Site Activities

None.

2.5 Summary

No activity occurred at this site during calendar year 2007.

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3.0 OSCURA BOMBING RANGE LANDFILL (SWMUS 41-46) (CCWS-07)

Oscura Bombing Range is located in northeastern WSMR near the Oscura Range Center (Figure 1). The bombing range is currently utilized by the Air Force for live-fire training. Initial dates for disposal operations at Oscura Bombing Range Landfill are not known. When in use, the common practice was much like that at Red Rio Landfill. Spent munitions were gathered and deposited at the landfill where they were burned and buried. Such activities at Oscura Bombing Range Landfill ceased in 1992. Oscura Bombing Range Landfill consists of SWMUs 41, 42, 43, 44, 45, and 46. According to the NMED 2007 Annual Fee Letter, Table A, SWMUs 41-46 are listed as operating unit LDU-13 through -18, respectively.

Four monitor wells were installed in 1995 around the former landfill. Three of the wells had sufficient water for sampling; the fourth was dry. A supplemental well was added in 1997 to replace the dry well. The locations of all wells are shown on Figure 3. Construction details are provided in Table 4. WSMR conducted periodic groundwater monitoring from 1995 to 2001. The site currently has no active groundwater monitoring program and is considered in interim status while the bombing range is still in active use. Oscura Bombing Range Landfill is a RCRA regulated unit. No regulatory action has taken place for a number of years.

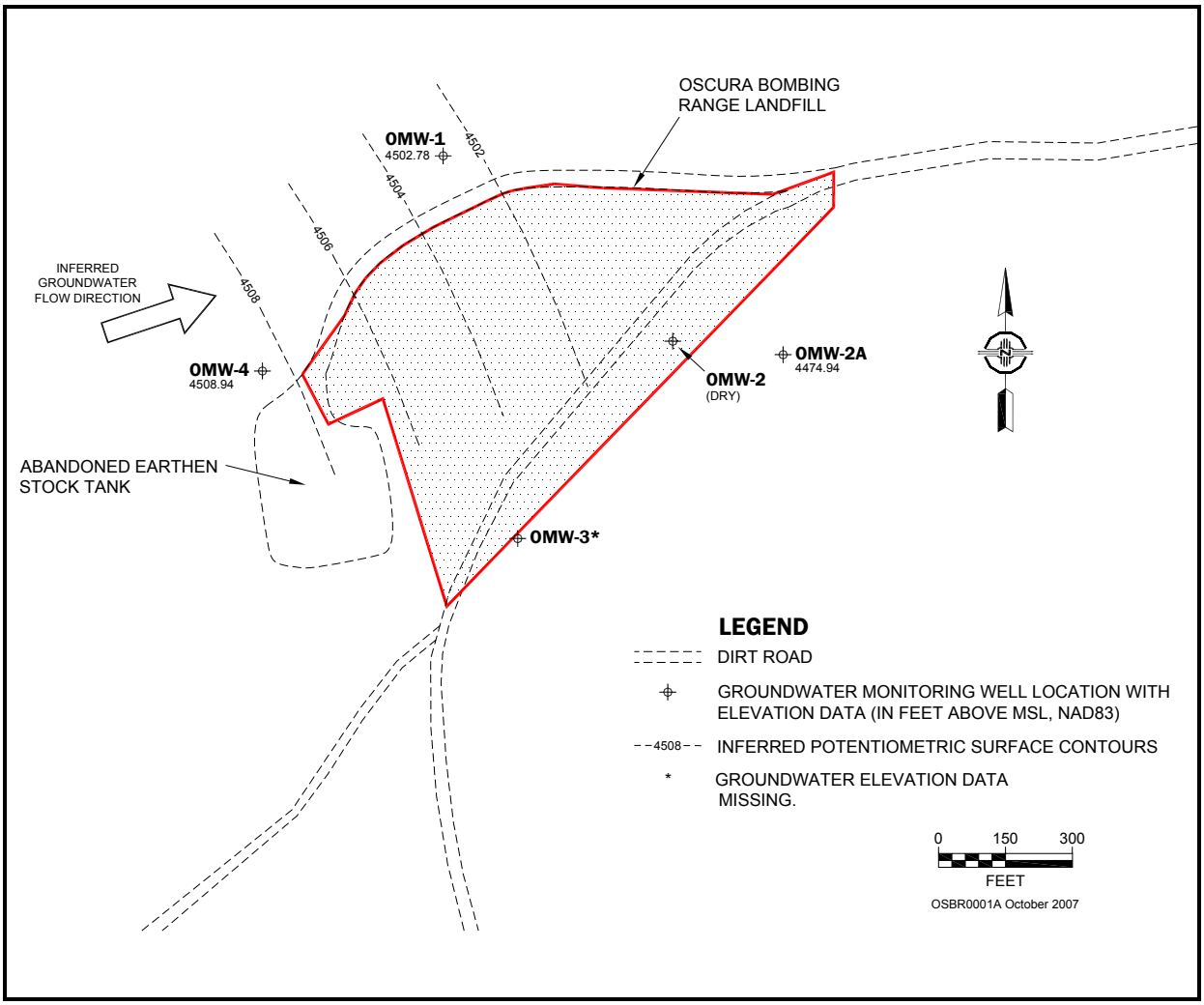

FIGURE 3. OSCURA BOMBING RANGE LANDFILL (SWMUS 41-46) (CCWS-07) SITE MAP

TABLE 4. CONSTRUCTION DETAILS FOR OSCURA BOMBING RANGE LANDFILL MONITOR WELLS

Well No.*	Northing[1]	Easting[1]	Elevation[2] Brass Marker	Elevation[2] Top of PVC	Total Well Depth (ft bgs)	Screen Interval (ft bgs)
OMW-1	3712061.406	387062.132	4,709.55	4,711.72	220.0	190-220
OMW-2	3711934.772	387218.924	4,702.82	4,705.29	215.53	188-218 (dry)
OMW-2a	3711930.907	387223.945	4,702.80	4,705.23	255.0	220-250
OMW-3	3711799.892	387113.042	4,698.91	4,701.08	200.0	170-200
OMW-4	3711914.371	386938.679	4,706.50	4,708.67	212.83	185-215

Notes: 1. Universal Transverse Mercator Coordinate Systems, Zone 13, NAD83
2. Elevations are based on North American Vertical Datum, 1988 (NAVD88)
* All wells are 4" diameter PVC.

From the ground surface to a depth of approximately 250 feet (ft) below ground surface (bgs), the sediments are characterized as numerous alternating thin to thick bedded units of unconsolidated gravelly clay, clayey silt, silty sand, and sandy clay with occasional gravel lenses. Sediments encountered at the top of the saturated zone, from approximately 225 ft bgs to 260 ft bgs, are described as yellowish-green and greenish gray sands and silts interbedded with thin clay seams.

Measured groundwater elevations in the wells indicate a flow direction to the east-northeast. Regional flow direction of groundwater is believed to be south-southwest. The local east-northeast flow direction suggests a groundwater "rise" or "mound" created by the recharge from the immediately adjacent abandoned earthen stock tank.

3.1 Scope of Services

Oscura Bombing Range is currently an active bombing range. As such, no groundwater monitoring activities took place at this site during the calendar year.

3.2 Regulatory Criteria

These sites are on an active bombing range and under interim status. Current physical status is as follows:

- Recent earthwork has obscured the area.
- Target storage has encroached on the site.
- Surface water adjacent to site is encroaching on one of the wells (OMW-4). From time to time the well is surrounded by standing water, but is not inundated.
- Past sampling events showed that one of the monitor wells (OMW-03) consistently produced a very small quantity of formation water very high in metals.

Oscura Bombing Range Landfill is a RCRA regulated unit. No regulatory action has taken place for a number of years. The current active range status precludes continuing monitoring activities.

3.3 Groundwater Monitoring Results

Oscura Bombing Range is currently an active bombing range. No groundwater monitoring activities took place at this site during the calendar year. The last sampling event occurred in 2001. No groundwater monitoring activities are funded or planned.

3.4 Remediation System Monitoring and Additional Site Activities

None.

3.5 Summary

No activity occurred at this site during calendar year 2007.

4.0 LAUNCH COMPLEX 38 DIESEL SPILL (SWMU 198) (CCWS-09)

Launch Complex (LC) 38 is located 13 miles east of the WSMR Main Post, just north of Nike Avenue. The Defense Fuels Agency stored a strategic reserve of diesel fuel in a 150,000-gallon above-ground storage tank (AST) at LC-38 until 2000, when an annual evaporative loss measurement revealed a loss of approximately 31,000 gallons of diesel fuel from corroded piping to the soil beneath the site. Fuel is no longer stored in the AST at LC-38; the tank and its associated piping have been removed.

WSMR conducted a preliminary investigation in February 2001 to characterize the extent of contamination and site geology, and an additional investigation in November 2003 to further supplement data collected in 2001. They completed a total of ten soil borings at LC-38. Soil samples were analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOC), and semi-volatile organic compounds (SVOC). Four monitor wells were installed at the site in November 2003, as shown in Figure 4. Construction details are provided in Table 5.

TABLE 5. CONSTRUCTION DETAILS FOR LC-38 MONITOR WELLS

Well No.*	Location Brass Cap (UTM, meters, NAD83)		Elevation** Brass Cap (ft)	LOC (ft)	Total Well Depth (ft bgs)	Screened Interval (ft, bgs)
	Northing	Easting				
MW-001	3586246.449	381681.625	1,000.00	2.57	261	235-255
MW-002	3586129.780	381737.586	1,003.92	2.42	254	225-245
MW-003	3586141.289	381767.536	1,003.56	2.39	255	227-247
MW-004	3586167.830	381786.756	1,003.37	2.36	257	229-249

* All wells are 4" diamer PVC with stainless steel screens.
** Relative Elevation to MW-001. Arbitrary Elevation for MW-001 chosen as 1,000 ft. Actual Elevation unknown. Ground surface elevation in area is approximately 4,040 ft.

The geology of the LC-38 site is characterized by five major lithologic facies determined from the lithologic logging of cores from seven soil borings across the LC-38 site. The lithologic facies are listed (lowest to highest) as follows:

- **Clay Facies**
  The clay facies is located from approximately 100 ft bgs to 110 ft bgs (maximum depth augured) and consists of a lean, hard, dry clay. Minor discontinuous silt lenses are evident in this facies. The depositional environment is likely a meandering fluvial system. The clay was potentially deposited as oxbow lake deposits or back flood plain deposits from crevasse splay during flood stage.

- **Intermixed Facies**
  The intermixed facies, located from approximately 82 ft bgs to 100 ft bgs, consists of well-sorted fine-grained sand and silt layers with minor discontinuous silt and clay lenses. The depositional environment is likely that of a meandering fluvial system. The fine-grained sands were likely deposited as either point bar deposits within the stream or more likely as overbank deposits close to the stream. The silts and clay deposits likely represent finer overbank sediments deposited increasingly farther away from the fluvial source. The vertically intermixed nature of the sands, silts, and clays shows the meandering nature of the fluvial system over time.

- **Clay Facies**
  The clay facies, located from approximately 60 ft bgs to 82 ft bgs, consists of a lean, hard, dry clay with very minor well-sorted, fine-grained sand and silt lenses. The clay was potentially deposited as oxbow lake deposits or back flood plain deposits from crevasse splay during flood stage.

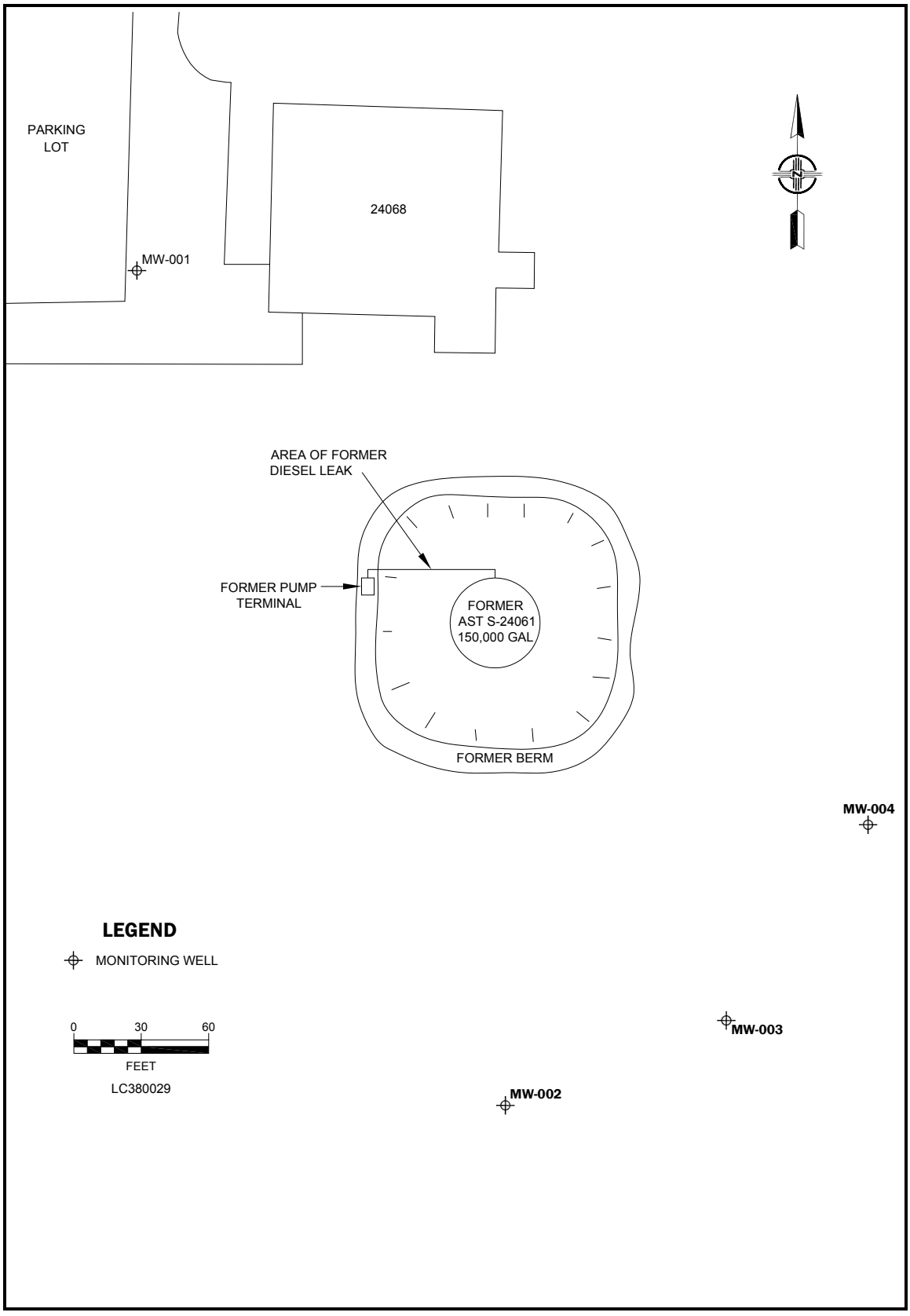

FIGURE 4. LAUNCH COMPLEX 38 (SWMU 198) (CCWS-09) SITE MAP

- **Intermixed Facies**
  This intermixed facies, located from approximately 33 ft bgs to 60 ft bgs, consists of well-sorted fine-grained sand deposits with major discontinuous silt and clay lenses. As described in the intermixed facies above, this facies is likely the result of a meandering fluvial system.

- **Sand Facies**
  The sand facies, located from the surface to approximately 33 ft bgs, is dominated by well-sorted, fine-grained quartzose sand. Minor medium-grained sands and trace silt are present in this unit. Very minor discontinuous silt, clay, and caliche lenses are present. This facies likely shows the transition from fluvial deposition to eolian deposition.

Depth to area water table is approximately 235 ft bgs. Soil samples indicate the diesel contamination extended to approximately 75 ft bgs. The contaminant plume is supported by a laterally continuous clay layer with a thickness of approximately 20 ft. During the soil boring, no perched water bearing zones were encountered. Analytical results from groundwater samples collected in January 2004 indicate contamination has not reached the area water table. (BAE Systems 2004e)

4.1 Scope of Services

On 29 March 2007, petroleum/water WSMR collected interface probe data from the LC-38 monitor wells MW-001 through MW-004 (Table 5) (Figure 4). Groundwater (regional) was determined to be at 235.22 ft bgs, 239.51 ft bgs, 239.20 ft bgs, and 238.90 ft bgs in monitor wells MW-001, MW-002, MW-003, and MW-004, respectively. WSMR found no petroleum product in any wells on site. This indicates that diesel fuel contamination has not reached groundwater.

In response to NMED comments, WSMR planned a chemical sampling event for RCRA metals and VOCs from MW-002 in addition to the interface probe monitoring. WSMR conducted the MW-002 resampling to allow for a re-evaluation of the contaminants of concern and to supply additional information for NMED consideration.

On 2 April 2007, WSMR sampled MW-002 using low-flow sampling techniques. Personnel used A 1.75 inch stainless steel sampling pump with disposable polyethylene bladders for sample collection. Using low flow sampling, WSMR purged approximately 1.2 gallons of water from the well prior to the stabilization of water quality parameters and sample collection. Drawdown of the water table was minimized to less than 0.5 ft during purge and sample collection. Sample parameters taken at the time of sample collection are included in Table 6.

TABLE 6. LC-38 MW-002 WATER QUALITY PARAMETERS (APRIL 2007)

Water Quality Parameter	MW-002
Temp (°C)	22.26
TDS (g/L)	5.2
Oxidation Reduction Potential (mV)	52.2
Conductivity (ms/cm)	7.99
Dissolved Oxygen (mg/L)	0.55
Turbidity (NTU)	5.46
pH	6.64
Pumping rate (mL/min)	68

The groundwater samples were sent to Trace Analysis Inc. in Lubbock, TX for analysis of the eight RCRA metals and VOCs. One primary and one duplicate sample were collected from MW-002. No VOCs, including the trihalomethanes detected during the original (January 2004) SWMU Assessment (BAE Systems 2004e), were detected from the 2 April 2007 primary or duplicate samples. Laboratory

analytical results are provided in Appendix F. Of the total RCRA 8 metals analysis, only total barium and total chromium were detected. Total barium (WQCC Standard = 1.0 mg/L) and total chromium (WQCC Standard = 0.05 mg/L) were detected at concentrations of 0.012 mg/L and 0.07 mg/L, respectively. Table 7 shows a comparison of concentrations of contaminants of concern from the NMED (2006c) letter (results reported from the January 2004 samples from the SWMU Assessment) along with detections from the April 2007 sampling event.

TABLE 7. RESULTS OF LC-38 MW-002 SAMPLING.

Analyte	Units	WQCC Standard for Dissolved Fraction	Tap Water Standard Table A-1 NMED SSLs	EPA Maximum Contaminant Level	January 2004 SWMU Assessment Result	April 2007 Sample Collection Result
Dibromochlorormethane	µg/l	NE	1.32	80^	1.57	<1.00
Bromodichloromethane	µg/l	NE	1.78	80^	1.16	<1.00
Total Barium	mg/l	1.0	7.3	2	0.134	0.012
Total Chromium	mg/l	0.05	0.110*	0.1	1.76	0.07
Total Cadmium	mg/l	0.01	0.0183	0.005	.59	<0.001
Dissolved Cadmium	mg/l	0.01	0.0183	0.005	.338	<0.001

Bold Analytes of concern from the 13 October 2006 NMED HWB letter.
NE Not Established.
^ EPA MCL for Drinking Water
* Standard for Hexavalent Chromium.
** Expected to be Non-Detect based on total result.

4.2 Regulatory Criteria

The SWMU Assessment Report (BAE Systems 2004e) was submitted to NMED-HWB. The State reviewed the document and provided comments (NMED 2006c), expressing concern over detections of certain trihalomethanes and cadmium. WSMR response-to-comments was provided on 4 January 2007. As a result of these concerns, WSMR resampled MW-002 for 8 RCRA metals and VOCs one time during 2007. NMED has not commented on the results of the resample effort. The NMED 2007 Annual Fee Letter (NMED 2007), Table B, lists the site as a corrective action unit (SWMU 198).

4.3 Groundwater Monitoring Results

No product was detected during the March 2007 inspection. Results of the April 2007 sampling event indicate that the analytes of concern originally detected during the SWMU Assessment sampling event (January 2004) were either not detected or significantly reduced. Neither cadmium nor the trihalomethanes dibromochloromethane and bromodichloromethane were detected during the recent April 2007 sampling event. Total chromium, detected at 0.07 mg/L, exceeded the WQCC standard for dissolved chromium of 0.05 mg/L. Total chromium had been detected in all four monitor wells at the site during the 2004 SWMU Assessment sampling event, with concentrations ranging from 0.011 mg/L (in MW-001) to 1.76 mg/L (in MW-002). All detections from the April 2007 event, including chromium, are below the EPA MCLs for drinking water and the NMED Tap Water Standards (Cr: 0.11 and 0.1 mg/L, respectively).

4.4 Remediation System Monitoring and Additional Site Activities

None.

4.5 Summary

Water level measurements and investigation for free product in the site's monitor wells were accomplished in March 2007. No product was detected.

Results of the April 2007 MW-002 sampling event indicate that the analytes of concern originally detected during the SWMU Assessment sampling event (January 2004) were either not detected or reduced to below relevant criteria.

5.0 OPEN BURN / OPEN DETONATION AREA (SWMUS 55, 56, & 56A) (CCWS-11)

The Open Burn/Open Detonation (OB/OD) area at WSMR is located at the foot of the San Augustin Mountains approximately 10 miles north of the main post. This site was utilized in the past for demolition of explosives and propellants. The OB/OD unit consists of both an open detonation area (two prepared pits) and an open burning pan (Figure 5). The two adjacent operations are treated as a single thermal treatment unit for RCRA permitting purposes. OB/OD was operated as a RCRA Subpart X treatment unit under permit number NM2750211235-OB/OD. NMED, in a 12 January 2000 letter, instructed WSMR to cease using the unit by 31 December 2000. The last detonation at the OD pits occurred on 30 November 2000. The partial closure of OB/OD was completed according to the provisions of the closure plan under the operating permit. WSMR performed closure activities in 2001 and those activities are described in *"Risk Assessment and Closure Report for the Open Burn/Open Detonation (OB/OD) Unit at the Hazardous Test Area (HTA), September 2002* (MEVATEC). WSMR submitted a Closure Certification to NMED on 4 November 2002.

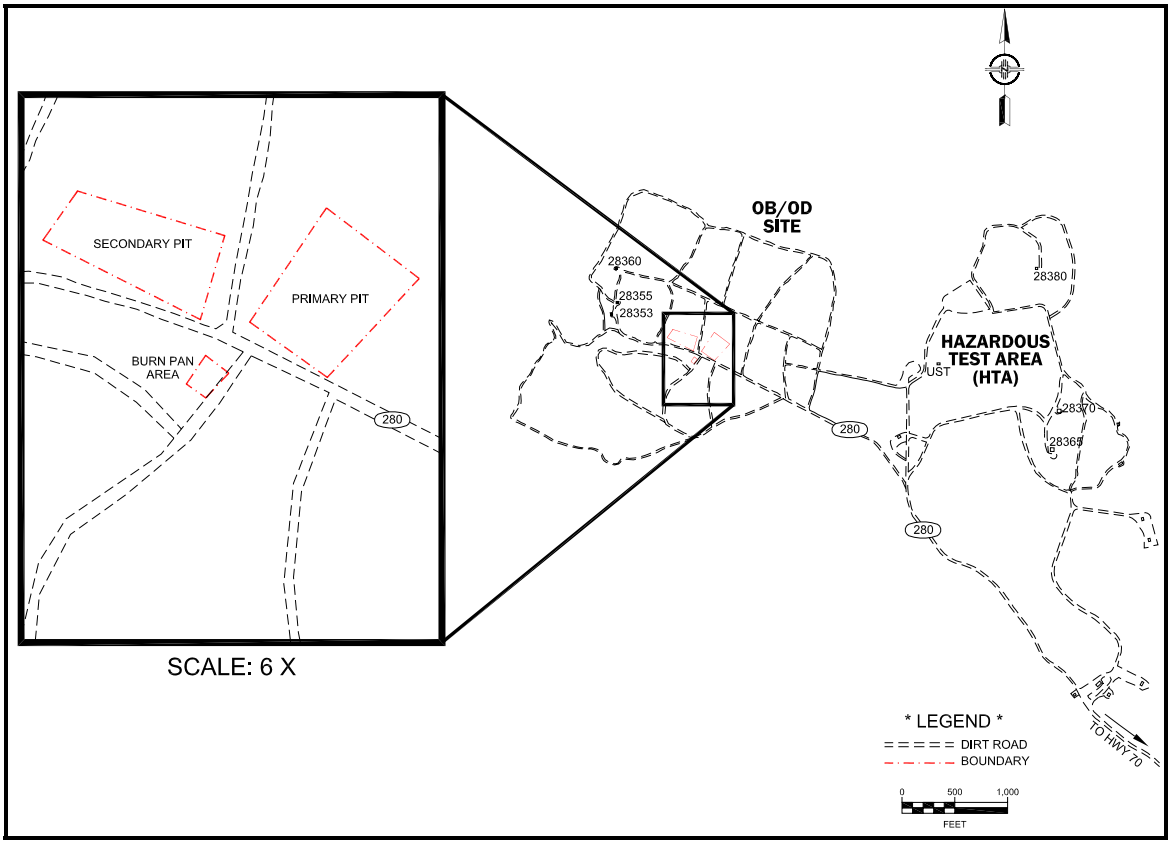

FIGURE 5. OPEN BURN / OPEN DETONATION AREA (SWMUS 55, 56, & 56A) (CCWS-11) SITE MAP

Geology at the OB/OD site is generally characterized by three primary features. A relatively thin soil profile—5 to 10 ft on average—is present over the majority of the area. In some areas, this layer is lacking, and outcrops of Precambrian granite or diorite are observed. The soil is rocky, and has a low organic fraction. Underneath the soil layer is a granite wash layer that varies in thickness across the site from zero to 35 ft. This layer is composed of angular, coarse-grained material that remains close to its source area. The third primary feature is a rind of weathered granite or diorite underlain by unweathered granite. The thickness of weathered rock was observed to vary between 10 ft and 99 ft, based on borehole logs. In addition, based on drilling conducted within the east detonation pit, unique cuttings that were produced from the interval 89 ft to 99 ft indicated the presence of a fault that crosses the area in the northwest-southeast direction. A total of 48 wells exist in and around the OB/OD site. Of these, 26 are currently utilized for ongoing groundwater monitoring.

The OB/OD is listed in the NMED Annual Fee Letter (NMED 2007), Table A, as three operating units. The letter identifies the open burn pan as SWMU 55 and the two open detonation pits as SWMUs 56 and 56a. They are listed as operating units OB/OD-3, OB/OD-1, and OB/OD-2, respectively. The United States Geological Survey (USGS) currently performs the groundwater monitoring activities related to OB/OD.

5.1 Scope of Services

The USGS is currently monitoring the wells associated with these SWMUs on a quarterly schedule. Reports are prepared by the USGS and submitted separately through WSMR to NMED (USGS 2007a, b, c). A summary of the methods utilized and analytical results are included therein.

5.2 Regulatory Criteria

A Post-Closure Care Permit application (BAE Systems 2003a) is pending with NMED HWB.

5.3 Groundwater Monitoring Results

The contaminants of concern for the OB/OD site are RDX (an explosive compound), nitrate, and perchlorate. The USGS currently performs all groundwater monitoring activities at the OB/OD site. Results are reported and interpreted separately. Ongoing groundwater monitoring shows little change in conditions. The text, maps, and tables from the available 2007 USGS reports are presented in Appendix E. The complete reports, including laboratory reports and field notes, are provided on the Data CD in Appendix F.

5.4 Remediation System Monitoring and Additional Site Activities

None.

5.5 Summary

Ongoing groundwater monitoring shows little change in conditions.

6.0 HELSTF TECHNICAL SUPPORT AREA SPILL (SWMU 197) (CCWS-16)

The High Energy Laser System Test Facility (HELSTF) is located on WSMR approximately 18.5 miles northeast of the Main Post, approximately 2.2 miles north of U.S. Highway 70. HELSTF became operational in September 1985. The primary mission of the facility is to support the testing and evaluation of high-energy laser systems, subsystems, components, and materials. The Technical Support Area (TSA) for HELSTF was constructed in 1987. It is adjacent to Highway 70, approximately 2 miles from the main HELSTF area and contains support facilities, including a fueling station, separate from the more hazardous test facilities. A 3000 gallon AST at the fueling station lost an estimated 1490 gallons of unleaded gasoline. The loss, estimated on the basis of an inventory review, occurred over an indeterminate period ending in March of 2000. The fueling station was shut down in March 2000.

WSMR investigated the TSA site during May and June 2000 at which time three monitor wells were installed. During the investigation, two water-bearing zones were encountered. The first zone, located approximately 34 ft bgs, is perched in nature and laterally discontinuous. The second water-bearing zone encountered is the regional groundwater table, located approximately 90 ft bgs. The regional aquifer is in unconsolidated silty sands and moderately sorted sand layers. Contamination reached approximately 30 ft bgs with maximum concentrations encountered near a depth of 17 ft bgs. WSMR utilized a soil vapor extraction system (SVE) for remediation of the site contaminants. Details are noted in Section 6.4, including discussion of a follow up investigation performed in August 2004.

Based on findings from the site investigations, the subsurface geology consists primarily of poorly sorted fine grain sands with silt and clay lenses from ground surface down to approximately 20 to 25 ft. Below that, the fine sands and clay becomes the predominant constituent as 1 to 4 ft thick silty sands with interstitial clay. At the interval of 30 to 35 ft, a saturated, silty clay/poorly sorted sand is prevalent beneath the site. Water levels collected from the four monitor wells and three of the vapor extraction wells indicate two separate areas of perched water above the regional water table. These water bearing zones are separated by clays that vary from 5 to 10 ft thick and are separated from the regional aquifer by a thick sequence of clay, with interstitial silty clay and poorly graded sand lenses beginning at approximately 35 to 40 ft and ending around 89 to 90 ft.

The regional aquifer exists at approximately 90 ft bgs within poorly graded sand lenses with interstitial clay as sequences. The regional aquifer was calculated to have a south and east flow direction with a hydraulic gradient of 0.002 ft/ft. Four groundwater monitor wells exist at the site. Construction details are provided in Table 8. Site features are shown on Figure 6.

TABLE 8. CONSTRUCTION DETAILS FOR HELSTF TSA MONITOR WELLS

Monitor Well ID*	Northing	Easting	Elevation TOC (ft)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)
HMW48	3609676.28	377886.13	3962.84	111.4	85 – 105
HMW49	3609618.71	377829.11	3962.70	113.0	85 – 105
HMW50	3609593.56	377867.56	3962.29	113.0	85 – 105
HMW52	3609668.6[a]	377874.7	3960.34	99.8	88.5–93.5

Note: Location of HMW48-50 in Universal Transverse Mercator Coordinate Systems, Zone 13, NAD83
Handheld GPS was utilized for location of HMW52; the location is reported in the WGS 84 UTM System.
HMW52 elevation determined from elevation check performed September 2007.
* All wells are 4" diameter PVC.

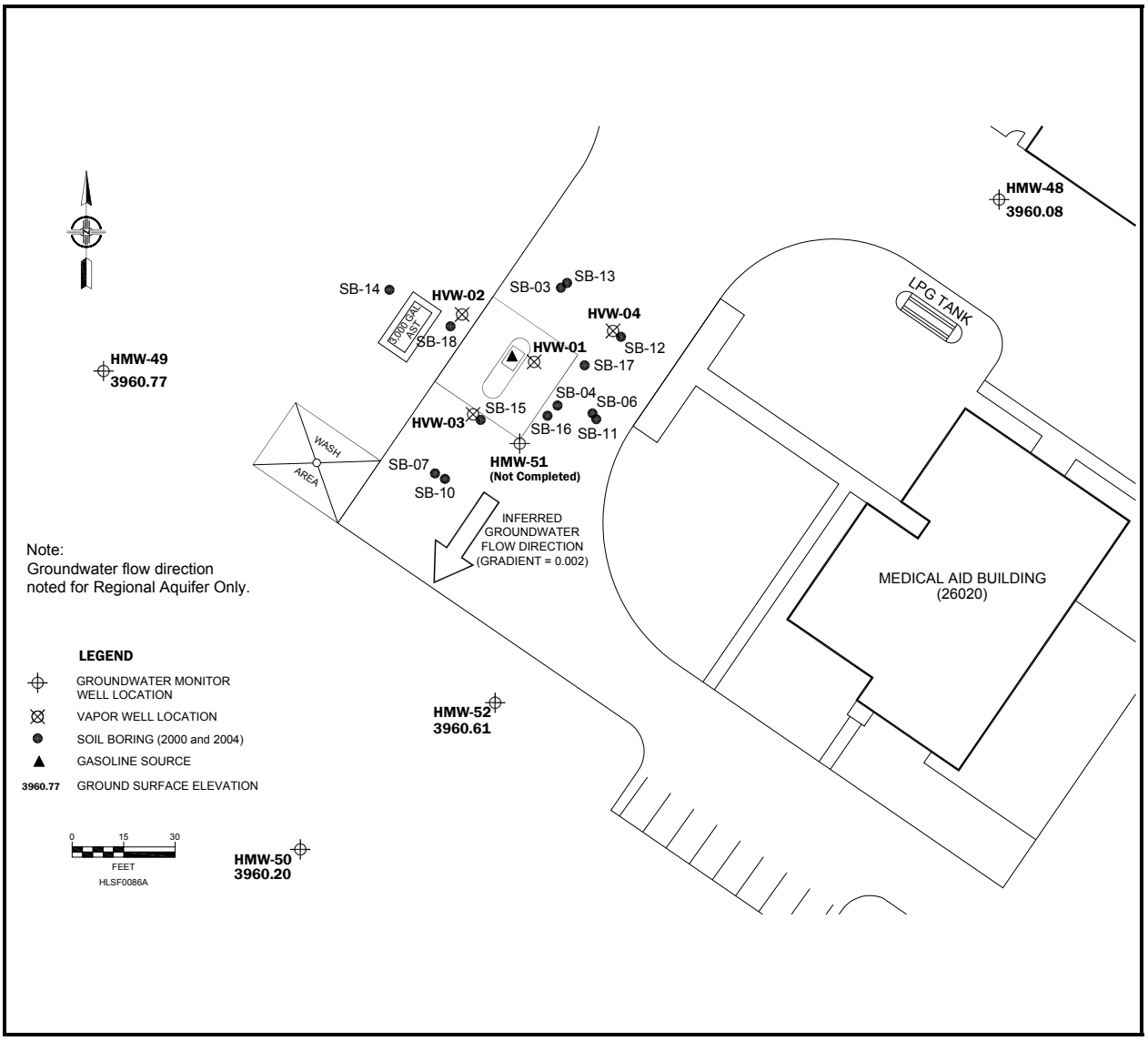

FIGURE 6. HELSTF TSA (SWMU 197) (CCWS-16) SITE MAP

6.1 Scope of Services

WSMR proposed continued compliance monitoring of the existing monitor wells in the RCRA Facilities Investigation (RFI) Report (BAE Systems 2004c) as a precautionary measure to assure early detection of impact to the regional aquifer. Annual sampling for benzene, toluene, ethyl benzene, and xylenes (BTEX) is to be conducted at all existing monitor wells completed in the regional aquifer. During calendar year 2007, groundwater samples were analyzed for all VOCs, including MTBE, by Method 8260B. Data for the calendar year 2007 groundwater monitoring is presented below.

6.2 Regulatory Criteria

WSMR submitted the RFI Report (BAE Systems 2004c) to NMED HWB during 2006, and received review comments in December 2006 (NMED 2006c). Among the comments was a request that the corrective measure (discussed in section 6.4, below) be reinstated, since "gasoline was still present in the subsurface." A WSMR work plan (WTS 2007b) to implement that request was delivered to NMED for review in September 2007. The NMED 2007 Annual Fee Letter (NMED 2007), Table B, lists the site as a corrective action unit (SWMU 197).

6.3 Groundwater Monitoring Results

Groundwater sampling was conducted at HELSTF TSA on 2-3 April 2007. Monitor wells HMW48, 49, 50, and 52 were sampled using low-flow sampling techniques. An MP10 Micropurge® Control and Power Pack along with a Sample Pro® 1.75 inch stainless steel sampling pump with disposable polyethylene bladders were used for sample collection.

Using low flow sampling, approximately 1.3 gallons of water was purged from each well prior to the stabilization of water quality parameters and sample collection (a total of 5.2 gallons purge water). Drawdown of the water table was minimized to less than 0.5 feet during purge and sample collection at each well. Sample parameters taken at the time of sample collection are included in Table 9.

TABLE 9. HELSTF TSA WATER QUALITY PARAMETERS (APRIL 2007)

Water Quality Parameter	HMW48	HMW49	HMW50	HMW52
Temp (°C)	22.67	22.60	21.69	22.28
TDS (g/L)	5.604	6.245	5.888	9.565
Oxidation Reduction Potential (mV)	88.1	105.9	118.2	100.3
Conductivity (ms/cm)	8.672	9.607	9.058	14.71
Dissolved Oxygen (mg/L)	0.25	2.17	2.25	2.20
Turbidity (NTU)	16.4	3.34	0.95	1.31
pH	6.90	7.42	6.89	7.69
Pumping rate (mL/min)	88	98	128	103

Sample results are listed in Table 10, and the laboratory report is provided in Appendix F. The results shown in Table 10 have been converted from micrograms per liter to milligrams per liter (mg/L) in order to maintain consistency with prior reporting. Analytical results indicate that BTEX was not detected in any of the monitor wells. However, HMW52 did have a detection of methyl tert-butyl ether (MTBE) in both the primary sample and sample duplicate (observations **bolded**). MTBE was a common gasoline additive in the mid 1980s.

TABLE 10. ANALYTICAL RESULTS OF BTEX SAMPLING AT THE HELSTF TSA (APRIL 2007)

Monitor Well ID	Benzene (mg/L)	Toluene (mg/L)	Ethyl benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)
HMW48	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
HMW49	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
HMW50	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
HMW52	<0.00100	<0.00100	<0.00100	<0.00100	**0.01990**
HMW52 (duplicate)	<0.00100	<0.00100	<0.00100	<0.00100	**0.02000**
Reporting Limit	0.00100	0.00100	0.00100	0.00100	0.00100

"<" Less than the indicated laboratory reporting limit.

Due to the first-time detection of MTBE in HMW52, WSMR performed an additional sampling event for HMW52 in order to verify the detection of MTBE and to serve as a quality control check. This additional sampling event occurred 5 June 2007. WSMR utilized a different sampling team, but the equipment and sampling procedure followed were the same as the earlier event. WSMR sent groundwater samples to separate laboratories (Assaigai Analytical Laboratories, Inc. and Trace Analysis, Inc.) to be analyzed for MTBE using Method 8021B. The following tables note the sampling conditions and the analytical results.

Reporting limits were within expected ranges and no contaminants were detected in the trip blanks which accompanied the samples while in the field, in transit, and at the laboratory.

TABLE 11. HELSTF TSA WATER QUALITY PARAMETERS AT THE TIME OF SAMPLING (APRIL & JUNE 2007)

Water Quality Parameter	HMW52 3 April 2007	HMW52 5 June 2007
Temp (°C)	22.28	22.45
TDS (g/L)	9.565	9.13
Oxidation-Reduction Potential (ORP) (mV)	100.3	17.4
Conductivity (ms/cm)	14.71	14.05
Dissolved Oxygen (mg/L)	2.20	3.14
Turbidity (NTU)	1.31	3.76
pH	7.69	7.97
Pumping rate (mL/min)	103	146

The 5 June sampling event had a lower than usual oxidation reduction potential (ORP). This parameter is affected by both pH and temperature. Fluctuations in water quality parameters are typical, and while an ORP reading of 17.4 millivolts is lower than expected, the other parameters are within typical ranges for this site. Thus, there is no reason to doubt the validity of the sample collected in June.

TABLE 12. ANALYTICAL RESULTS OF MTBE SAMPLING AT HELSTF TSA HMW52 (APRIL & JUNE 2007)

Laboratory and Sampling date	Detection (mg/L)	Duplicate (mg/L)	Reporting Limit (mg/L)	Trip blank (mg/L)
Trace 3 April 2007	0.01990	0.02000	0.00100	non-detect
Trace 5 June 2007	0.0123	0.0153	0.00100	non-detect
Assaigai 5 June 2007	0.016	0.017	0.001	non-detect

The 2007 sampling event was the second annual BTEX monitoring event for the regional groundwater wells at the HELSTF TSA. The first sampling event occurred in 2006. BTEX was not detected in 2006 or 2007, nor was it detected in the regional groundwater during prior investigations at the site.

Methyl-tert butyl ether (MTBE) was detected in the primary and duplicate samples from HMW52 collected during April 2007. All previous investigations have indicated that regional groundwater has not been affected by the gasoline spill. WMSR conducted an additional sampling event, which only collected samples from HMW52, in June 2007. MTBE was detected in samples sent to two separate laboratories for analysis. Based on the detections from both the initial sampling event in April and the re-sample in June, MTBE is present in the regional aquifer at HMW52.

EPA has not set a national standard for MTBE, but has issued an advisory at the 20 to 40 parts per billion level for taste and odor impacts. NMED has listed MTBE as a “toxic pollutant” (20.6.2.7.VV NMAC) although there is no associated human health standard. Among the requirements for completion of monitored natural attenuation (20.5.12.1226.A NMAC) is an MTBE concentration of 0.1 milligram per liter (100 micrograms per liter). Thus, the detection at TSA is significantly less than the completion criteria for monitored natural attenuation.

Based on the above noted regulatory guidance and the limited analytical data, WSMR proposes continued monitoring for MTBE at this time. HMW50 is located approximately 70 feet down-gradient of

HMW52 and can serve as an additional point to track plume migration. MTBE has not been detected in HMW50. The next standard annual sampling event is tentatively scheduled for April 2008. Groundwater samples will be analyzed for BTEX and MTBE by Method 8021B or Method 8260.

6.4 Remediation System Monitoring and Additional Site Activities

WSMR initiated a soil vapor extraction (SVE) system as a pilot study/interim remedial action during July 2000. Results of the pilot study indicated that SVE would be an effective method of remediation at the facility. WSMR operated the pilot SVE system for a period of 4 months utilizing one of four vapor extraction wells installed into the shallow impacted soils and perched water table. The SVE system removed an estimated 1,800 gal of product, which is in excess of the reported release, providing further evidence of prior long-term leakage.

WSMR conducted a follow up investigation in 2004 which is detailed in the *RCRA Facility Investigation High Energy Laser Systems Test Facility Technical Support Area Fuel Spill* (BAE Systems 2004c). This study provided additional groundwater and soil sampling to determine the effectiveness of the interim remedial action on the subsurface conditions. The investigation determined that the SVE interim remedial action was effective in removing the contamination from the upper, more porous sediments from zero to 25 ft bgs.

The human health and ecological exposure pathways relevant to the remaining contamination are all incomplete, leading to the conclusion of "no current or future human health or ecological risk." Continued compliance monitoring of the existing monitor wells is contemplated as a precautionary measure to assure early detection of impact. Annual sampling for BTEX of all existing monitor wells completed in the regional aquifer should be sufficient to detect any release. After a period of 10 years (beginning in 2004), continued monitoring or other actions can be revisited.

However, as discussed in section 6.2, above, NMED did not accept these conclusions and requested that the remedial action be continued. The work plan for this action (WTS 2007b) is pending NMED review.

6.5 Summary

WSMR sampled the HELSTF TSA monitor wells using low flow sampling techniques in April 2007. Analytical results indicate that BTEX was not detected in any samples collected. This sampling event was the second annual BTEX monitoring event for the regional groundwater wells at the HELSTF TSA gasoline spill. The first sampling event occurred in 2005. BTEX was not detected.

MTBE was detected in the primary and duplicate samples from HMW52 collected during April 2007. All previous investigations have indicated that regional groundwater has not been affected by the gasoline spill. WSMR conducted an additional sampling event in June 2007, which only collected samples from HMW52. MTBE was detected in samples sent to two separate laboratories for analysis. Based on the detections from both the initial sampling event in April and the re-sample in June, MTBE is present in the regional aquifer at HMW52.

EPA has not set a national standard for MTBE, but has issued an advisory at the 20 to 40 parts per billion level for taste and odor impacts. NMED has listed MTBE as a "toxic pollutant" (20.6.2.7.VV NMAC) although there is no associated human health standard. Among the requirements for completion of monitored natural attenuation (20.5.12.1226.A NMAC) is an MTBE concentration of 0.1 milligram per liter (100 micrograms per liter). Thus, the detection at TSA is significantly less than the completion criteria (end point) for monitored natural attenuation.

Based on the above noted regulatory guidance and the limited analytical data, WSMR proposes continued monitoring for MTBE at this time. HMW50 is located approximately 70 feet down-gradient of HMW52 and can serve as an additional point to track plume migration. MTBE has not been detected in HMW50. The next standard annual sampling event is tentatively scheduled for April 2008. Groundwater samples will be analyzed for BTEX and MTBE by Method 8021B or Method 8260.

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7.0 TULA PEAK INCINERATOR SITE (SWMU 61) (CCWS-65)

The Tula Peak Incinerator Site is located mid-range just south of the Tularosa Gate and north of Holloman Air Force Base. The incinerator, actually a converted boiler shell used for thermal treatment, was utilized to burn unexploded ordnance after which the debris was buried in trenches at the site. Reports also describe miscellaneous aircraft and missile parts present in the trenches. The initial startup date is unknown, but operation of the unit had ended by 1988. In 1997, four monitor wells were installed at the site, as shown on Figure 7. Construction details are provided in Table 9. WSMR conducted periodic groundwater monitoring from 1995 to 2001. The site currently has no active groundwater monitoring program. The Tula Peak Incinerator Site is a RCRA regulated unit and the Munitions Rule does not apply. No regulatory action has taken place for a number of years.

The site consists of four burial pits which have been listed as Compliance Cleanup (CC) program site; CCWS-65, Former Installation Restoration Program (IRP) Site, WSMR-23 and SWMU-57 (SWMUs 57-60 were combined and re-named SWMU-57)(WSMR Draft RCRA Permit, Appendix 4, Table 4-4, 2007). Four bomblet burial areas have been previously identified as former IRP Site WSMR-20, with no SWMU designation. The IRP Sites WSMR-23 and WSMR-20 refer to various burial pits at Tula Peak. All of the burial pits are referred to by the NMED designation, the regulated unit LDU-1. The incinerator has been listed as CCWS-65, Former IRP Site WSMR-24, and SWMU 61. It is called by the NMED designation, regulated unit Incin-1. WSMR-20 and 23 were removed from the IRP during CY2000. They were to be covered under a Subpart X RCRA Permit, but the permit was never obtained. WSMR-24 remained in the IRP as "Response Complete." The basis for Response Complete Status was a 1995 Class III Permit Modification, in which EPA Region 6 approved No Further Action.

Subsurface conditions were characterized from cuttings retrieved during borehole drilling for installation of the monitor wells. From ground surface to approximately 70 ft bgs, the geology is characterized as unconsolidated very fine-grained sand and gypsiferous silt with selenite crystals. From 70 to 300 ft bgs, the geology is characterized as alternating layers of thinly bedded gypsiferous silts with selenite, fine-grained sands and reddish-brown clays. The top of the zone of saturation (water table) was noted at approximately 18-20 ft bgs. During borehole drilling, fluid circulation was lost at approximately the 18-20 foot and at the 55-60 foot depth intervals at well locations TP-1 and TP-2. Fluid loss suggests the presence of possible subsurface dissolution cavities in the evaporite-rich sediments. Potentiometric surface elevations suggest a flow direction to the east-southeast.

TABLE 13. CONSTRUCTION DETAILS FOR TULA PEAK INCINERATOR SITE MONITOR WELLS

Well No.*	Northing[1]	Easting[1]	Elevation[2] Brass Marker (ft)	Elevation[2] Top of PVC (ft)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)
TP-1	3658495.170	393579.000	4,170.73	4,173.02	47	22-42
TP-2	3658440.370	393376.115	4,164.50	4,166.71	43	18-38
TP-3	3658574.464	393365.797	4,167.21	4,169.03	45	20-40
TP-4	3658703.865	393463.146	4,166.75	4,168.86	43	18-38

Notes: 1. Universal Transverse Mercator Coordinate Systems, Zone 13, NAD83
2. Elevations are based on North American Vertical Datum, 1988 (NAVD88)
* All wells are 4" diameter PVC.

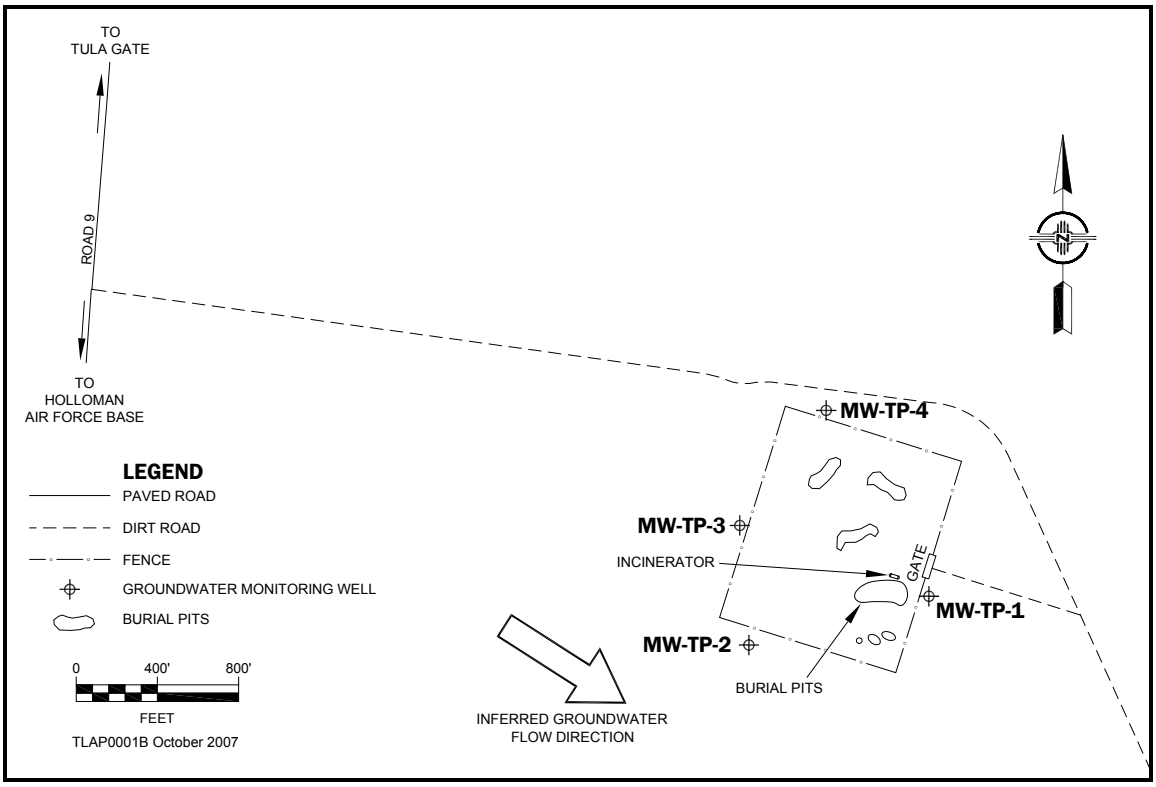

FIGURE 7. TULA PEAK INCINERATOR (SWMU 61) (CCWS-65) SITE MAP

7.1 Scope of Services

The Tula Peak Former Ordnance Disposal Site and Incinerator is currently inactive. No groundwater monitoring activities took place at this site during calendar year 2007.

7.2 Regulatory Criteria

The NMED 2007 Annual Fee Letter (NMED 2007), Table A, lists the site as an operating unit, Incin-1 (SWMU 61). Current status is as follows:

- The incinerator at the site still contains bomblets.
- Bomblets and miscellaneous aircraft and missile parts are scattered across the area.
- Access to the site is controlled by a locked fence.

Associated with the incinerator site are several burial pits, identified as SWMU 57, LDU-1. WSMR believes that Tula Peak could be a candidate for clean closure. Results from past monitoring events detected minimal or no potential contaminants.

7.3 Groundwater Monitoring Results

None.

7.4 Remediation System Monitoring and Additional Site Activities

None.

7.5 Summary

No groundwater monitoring activities took place at this site. Removal options for potential contamination sources at this site are being investigated. If removal occurs, no additional groundwater monitoring is planned.

8.0 RHODES CANYON LANDFILL (SWMUS 114 & 115) (WSMR-14)

Rhodes Canyon Landfill served the Rhodes Canyon Range Center and surrounding area, and is located at the junction of Range Road 6 and Range Road 7 in the central region of WSMR. The site consists of SWMU 114 and 115, and is designated as WSMR-14 in the U.S. Army Installation Restoration Program (IRP). WSMR-14 occupies approximately 24 acres in Sierra County. SWMU 115 was reported to receive sanitary waste and missile debris from up range impact areas (A. T. Kearney, 1988). It was closed in 1976. No starting date was noted. WSMR opened SWMU 114 in 1976 upon closing of SWMU 115 and ceased receiving material September 1987. SWMU 114 reportedly only received office refuse and construction debris from the range center (WSMR 1998).

There are currently six monitor wells associated with the landfill. Groundwater exists at an average depth of 71 to 80 ft bgs. The monitor wells are RCRA-compliant and are screened across the water table.

The RCRA Facility Assessment conducted by A.T. Kearney, Inc. (1988) concluded that there was low potential for a release from SWMU 114 and 115 to groundwater, surface water, air, or subsurface gas. International Technology Corporation conducted a Phase I RCRA Facility Investigation (RFI) (ITC 1992). This RFI recommended that a security fence be installed and that a Class 3 Permit Modification be implemented to terminate the RFI/Corrective Measures Study (CMS) process at WSMR-14. However, the 1998 *Installation Action Plan* noted the landfill cap was deficient and there were no surface water control measures in place. A designed landfill cap and storm water control measures would minimize the potential for groundwater contamination from the site. These corrective measures were installed in 2004 under the NMED approved CMI Work Plan (BAE Systems 2003b).

Groundwater monitoring at Rhodes Canyon Landfill began in 1995 with the installation of four monitor wells (designated RMW-1, RMW-2, RMW-3, and RMW-4). WSMR installed two additional wells in 2005. (WTS 2005) Construction details are noted in Table 14. The semi-annual sampling events have not detected any contaminants of concern that can be directly linked to the landfill, but certain water quality parameters have been noted above the NMWQCC standards. These instances can be attributed to naturally occurring constituents within the regional aquifer and are not likely the result of leachate from SWMU 114 or 115. The native soil cover placed over SWMUs 114 and 115 limits infiltration from precipitation events and thus reduces the potential for formation of leachate.

TABLE 14. CONSTRUCTION DETAILS FOR RHODES CANYON LANDFILL MONITOR WELLS

Well*	Location Brass Cap (UTM, meters, NAD83)		Elevation Brass Cap (ft, NAVD88)	Elevation TOC (ft, NAVD88)	Total Depth (ft, bgs)	Screened Interval (ft, bTOC)
	Northing	Easting				
RMW-01**	3671368.9089	360400.5035	4064.01	4066.35	94	76.3 – 96.3 Pump at 92 ft bTOC
RMW-02	3671175.1088	360671.6885	4055.03	4057.46	88	70.4 – 90.4
RMW-03**	3671005.2948	360614.7388	4053.21	4055.60	89	71.4 – 91.4 Pump at 82 ft bTOC
RMW-04	3671084.1081	360360.9201	4061.13	4063.44	91	73.3 – 93.3
RMW-05**	3670906.3383	360546.0193	4051.88	4054.31	89	66.4 – 86.4 Pump at 81 ft bTOC
RMW-06**	3670980.2288	360455.8632	4055.10	4057.60	90	67.5 – 87.5 Pump at 84 ft bTOC

Notes:
* All monitor wells are 4 inches in diameter
** Primary wells to be sampled on an annual basis.

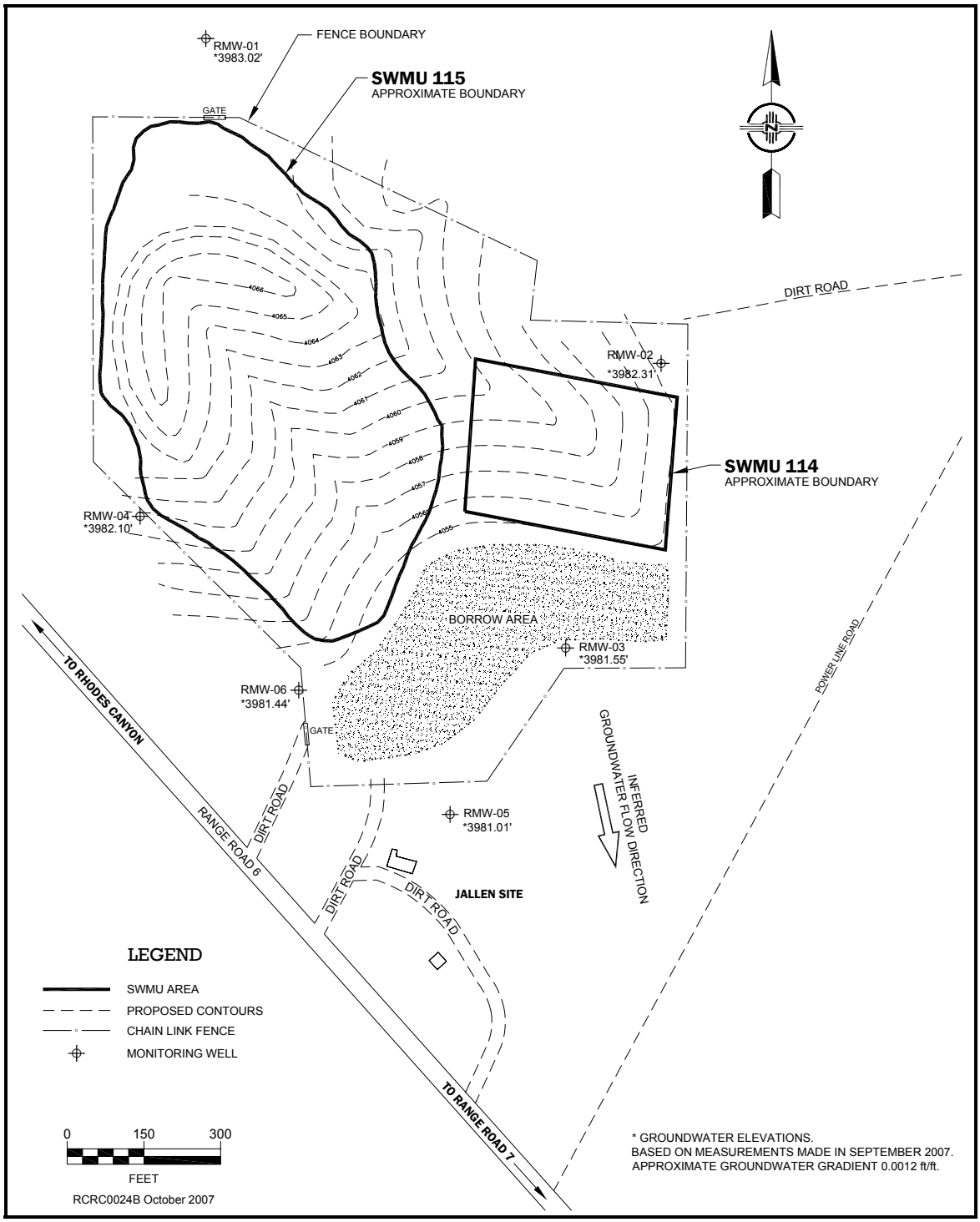

FIGURE 8. RHODES CANYON LANDFILL (SWMUS 114 & 115) (WSMR-14) SITE MAP

8.1 Scope of Services

The annual groundwater monitoring event at WSMR-14 consists of site inspection, groundwater measurements, and sampling of four wells by low-flow methods. Inspection includes monitoring the status and integrity of the fence, monitor wells, and native soil landfill cap. Table 15 lists the analytical constituents and methods relating to the groundwater sample analysis.

TABLE 15. RHODES CANYON LANDFILL ANALYTICAL SCHEDULE

Analyte	Method	Analyte	Method
Water Quality			
Alkalinity	SM 2320B	Conductivity	SM 2510B
Total Dissolved Solids	SM 2540C	pH	SM-4500-H+
Total Organic Carbon	EPA 415.1		
Dissolved Ions			
Nitrate-N Nitrite-N	EPA 300.0	Ammonium Perchlorate	EPA 314.0
Nutrients			
Ammonia-N	SM 4500-NH_3 B, E	Total Kjeldahl Nitrogen	EPA 351.3
Organics			
VOCs	SW846-8260B	Explosive Residues	SW846-8330 C18
SVOCs	SW846-8270C		
Total Metals		**Dissolved Metals**	
Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Tin Vanadium Zinc	SW846-6010B	Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lithium Lead Molybdenum Nickel Selenium Silver Tin Vanadium Zinc	SW846-6010B
Mercury	SW846-7470A		
Hexavalent Chrome	SM-3500-Cr D		

8.2 Regulatory Criteria

WSMR continues groundwater monitoring at SWMU 114 and 115 as required for post-closure care and monitors a total of four wells annually at this site. The sample types and laboratory analysis are noted in the State-approved WSMR-14 Post Closure Care Plan, PCCP (also known as the *Corrective Measures Implementation Report*, September 2004, and the *Addendum to the CMI Report*, December 2005). NMED accepted closure of the landfills in correspondence dated 12 July 2006. The NMED 2007 Annual Fee Letter (NMED 2007) identifies SWMU 114 as an operating unit (Table A) and SWMU 115 as a corrective action unit (Table B). The Draft RCRA Permit (June 2007) issued by NMED lists SWMU 114 and 115 as Hazardous Waste Management Units that have achieved closure and are currently under post-closure care.

8.3 Groundwater Monitoring Results

8.3.1 Sampling Procedures

WSMR sampled four groundwater monitor wells at WSMR-14 from 26 to 30 July 2007. Historic and current measurements to the water level surface indicate a fairly stable water table in the immediate area of WSMR-14 (see Figure 8). The most recent water level measurements at WSMR-14 are within the historical range demonstrated since 1988 and show an increase over previous years (see Figure 9). Calculations indicate a gradient of 0.001 feet per foot to the south with a slight easterly component.

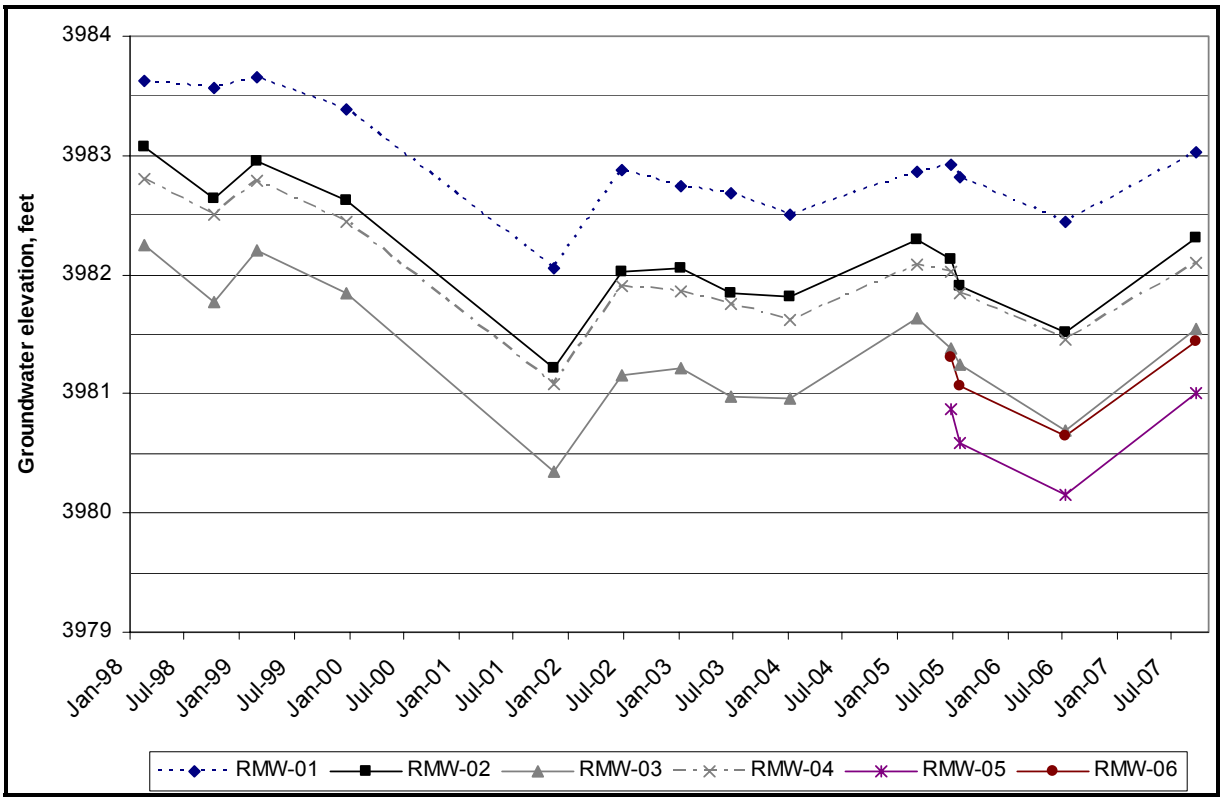

FIGURE 9: GROUNDWATER ELEVATION AT RHODES CANYON LANDFILL

The QED sampling system utilized at WSMR-14 monitors the water level and will shut down if pumping exceeds the recharge rate of the well. The shut-off feature helps to insure the pumps are drawing water from the formation and not stagnant water from the well casing. Recharge during purging was sufficient to maintain the water level at or just below the initial measurements in each of the wells. While purging, a YSI 556 MPS water quality meter with flow cell was utilized to record groundwater field parameters. A portable Orion AQ4500 turbidimeter provided turbidity measurements. Parameters were allowed to stabilize prior to collection of the sample. The parameters recorded at the time of sampling for each of the wells are shown in Table 16. These parameters were within ranges typical of groundwater at WSMR. Parameters from RMW-06 over the last three sampling events have noted a correspondence between increased purge rates and higher turbidity. The lack of substantial difference in dissolved and total metals analysis makes it apparent that the turbidity in RMW-06 has no affect on analytical results. WSMR will continue to monitor turbidity and maintain appropriate purge rates during sampling. The total volume of purge water generated during this event was approximately five gallons.

TABLE 16. RHODES CANYON LANDFILL WATER QUALITY PARAMETERS AT TIME OF SAMPLING (JULY 2007)				
Well	**RMW-01**	**RMW-03**	**RMW-05**	**RMW-06**
Sample Date	30 July	27 July	26 July	27 July
Temperature (^{o}C)	21.30	21.45	22.32	21.78
pH	7.28	6.98	6.95	7.01
Conductivity (µS/cm)	7.429	8.460	9.256	8.648
Dissolved Oxygen (mg/L)	5.93	3.98	1.95	3.24
Turbidity (NTU)	0.00	0.02	0.11	2.39
Drawdown (ft)	<0.9	<1.2	<1.76	<0.58
Purge rate (mL/min)	156	214	268	265
Initial Depth to Groundwater BTOC (ft)	83.00	73.78	72.74	75.74
Depth to Pump BTOC (ft)	92.0	82.0	81.0	84.0

8.3.2 Analytical Results

Analysis of the groundwater samples revealed the presence of barium and lithium. This demonstrates a reduction in the elements detected from 2006 when beryllium, chromium, copper, silver, and zinc were detected as well. Volatiles were not detected. Water quality parameters and other detections are noted in Table 17, including applicable NMWQCC standards. Laboratory analytical reports are included in Appendix C. Ammonium perchlorate had been detected in three of the four wells in July 2005. It was not detected in the July 2006 or 2007 sampling events. Based on the low concentrations noted in 2005 and the lack of additional detections, ammonium perchlorate will be included in the 2008 analyte list and then, if no detection is noted, WSMR will cease further analysis for ammonium perchlorate at WSMR-14.

TABLE 17. RHODES CANYON LANDFILL ANALYTES DETECTED (JULY 2007)						
Analyte (units)	**Reporting Limit**	**NMWQCC Standard**	**Sample Location**			
			RMW-01	**RMW-03**	**RMW-05 ***	**RMW-06**
Water Quality						
Alkalinity (mg/L as CaCO3)	5.00	-	108	162	171	148
Conductivity (µMHOS/cm)	-	-	9,310	9,180	10,500	9,370
pH	-	6 to 9	7.16	7.05	7.13	7.14
Total Dissolved Solids (mg/L)	5.00	1,000	**5,200**	**6,320**	**7,345**	**7,150**
Total Organic Carbon (mg/L)	1.0	-	<1.00	<1.00	<1.00	<1.00
Dissolved Ions						
Nitrate-N (mg/L)	0.1	10.0	<1.00	<0.100	<0.100	<0.100
Ammonium perchlorate (mg/L)	0.020	-	<0.020 G	<0.020 G	<0.020 G	<0.020 G
Total Kjeldahl Nitrogen (mg/L)	4.00	-	<4.00	<4.00	<4.00	<4.00

TABLE 17. RHODES CANYON LANDFILL ANALYTES DETECTED (JULY 2007)						
Analyte (units)	**Reporting Limit**	**NMWQCC Standard**	**Sample Location**			
			RMW-01	**RMW-03**	**RMW-05 ***	**RMW-06**
Organics (VOCs, SVOCs, & Explosive Residues)						
No organics detected above reporting limits	various	-	ND	ND	ND	ND
Total Metals						
Barium (mg/L)	0.0100	1.0	0.0100	0.0100	0.0158	0.0150
Chromium (mg/L)	0.00500	0.05	<0.0050	<0.0050	<0.0050	<0.0050
Copper (mg/L)	0.00500	1.0	<0.00500	<0.00500	<0.00500	<0.00500
Zinc (mg/L)	0.00500	10.0	<0.00500	<0.00500	<0.00500	<0.00500
Dissolved Metals						
Barium (mg/L)	0.0100	1.0	0.0120	0.0100	0.0150	0.0150
Beryllium (mg/L)	0.00250	0.004	<0.00250	<0.00250	<0.00250	<0.00250
Silver (mg/L)	0.00200	0.05	<0.00200	<0.00200	<0.00200	<0.00200
Zinc (mg/L)	0.0100	10.0	<0.0100	<0.0100	<0.0100	<0.0100
Lithium (mg/L)	0.00500	-	0.0910	0.0980	0.104	0.100

Notes: G – Elevated reporting limit. The reporting limit is elevated due to matrix interference.
B – Estimated result. The result is less than the reporting limit.
J – Method blank contamination. The associated method blank contained the target analyte at a reportable level (0.27 mg/L TOC, below the RL of 1.0 mg/L).
* The samples from RMW-05 included standard and duplicate, reported results are the average of the two.
Bolded entries were detected above their respective standards.

8.4 Remediation System Monitoring and Additional Site Activities

Inspections at WSMR-14 are scheduled to occur in July and December each year. Copies of the inspection forms are included in Appendix D. The inspection report form was developed based on the inspection requirements given in the *CMI Work Plan* and similar inspections that occur at soil covers elsewhere on WSMR. Erosion damage has been repaired during 2007 and waste has not been exposed. WSMR will continue to monitor the site for erosion and repair impacted areas as needed.

Vegetative cover was evaluated in August 2007. The following discussion is a summary of the report developed by the WSMR Land Manager, David Lee Anderson. The full text of Dr. Anderson's report is included in Appendix D.

> "The 2006 monsoon season developed well above average and greatly favored four-wing saltbush that already had an acceptable start by the second year after hydroseeding. The three grass species included in the original hydroseeding mix have almost disappeared, hanging on only in small quantities. The 2007 monsoon is developing well and this will continue to favor the growth and development of four-wing saltbush. Total vegetative cover for the site is estimated to be 31 percent. This amounts to a 27 percent biocover increase over the 4 percent estimated last year. The current vegetation consists of 30 percent four-wing saltbush and 1 percent alkali sacaton. No evidence of last year's drought remains. The survey method employed was two boot-tip transects of 1230 feet in length, each with cover observations taken every 25 feet. Bare soil was estimated at 69 percent."

8.5 Summary

The CMI Work Plan statistically evaluated past groundwater analytical data from 1996 through 2002. Detections of typical water quality parameters, including TDS, chloride, fluoride, nitrate/nitrite as nitrogen, sulfate, iron, strontium, and sodium were evaluated using ProUCL software (v 2.0) in order to determine the 95 percent upper confidence level (UCL). The results of that evaluation are compared with the recent analytical results in Table 18. Water quality parameters (TDS and nitrate/nitrite as N) from the most recent groundwater sampling event fall within their expected statistical ranges as determined for the CMI Work Plan.

TABLE 18. RHODES CANYON LANDFILL STATISTICAL EVALUATION OF WATER QUALITY PARAMETERS

		RMW-01	RMW-02	RMW-03	RMW-04	New wells	
						RMW-05	RMW-06
Total Dissolved Solids (ppm)							
Number of samples		13	13	13	13	NA	NA
Distribution		Non parametric	Non parametric	Non parametric	Non parametric	NA	NA
Minimum		5,100	5,300	6,000	4,500	NA	NA
Maximum		6,831	7,150	7,740	7,350	NA	NA
95% UCL		5,703	6,049	6,628	5,546	NA	NA
Annual GWM	July 2005	5,280	No Data	6,520	No Data	6,640	5,930
	July 2006	5,460		6,670		6,810	6,770
	July 2007	5,200		6,320		7,345	7,150
Nitrate / Nitrite as Nitrogen (ppm)							
Number of samples		11	11	10	11	NA	NA
Distribution		Non parametric	Non parametric	Log normal	Non parametric	NA	NA
Minimum		0.5	0.3	0.3	0.1	NA	NA
Maximum		8.4	9.1	8.0	8.4	NA	NA
95% UCL		3.8	3.8	3.8	6.6	NA	NA
Annual GWM	July 2005	0.84	No Data	0.45	No Data	0.67	1.16
	July 2006	0.860		0.470		0.690	1.06
	July 2007	<1.00		<0.100		<0.100	<0.100

Note: RMW-02 and RMW-04 have not been sampled since installation of RMW-05 and RMW-06.

The analytical results for the most recent round of groundwater sampling at WSMR-14 did not reveal any indications of contaminates leaching into the groundwater from the landfill cells. Detected analytes were not above their associated NMWQCC Standard. WSMR will continue to monitor this site as detailed in the post-closure care documents. WSMR will include ammonium perchlorate in the analyte list for one more sampling event. If ammonium perchlorate is not detected above applicable reporting limits, it will be dropped from the analyte list.

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9.0 TEMPERATURE TEST FACILITY METHYLENE CHLORIDE SPILL (SWMU 104/108) (WSMR-41)

The Temperature Test Facility (TTF) was designed to simulate extreme weather conditions by inducing a wide range of temperature and climatic variations. TTF is located approximately 2.5 miles east of the WSMR Main Post on Nike Road (Range Road 2). The site consists of two buildings: the main office (Building #21139) and the test facility (Building #21140). Beginning in 1983, faulty construction and piping allowed unknown quantities of methylene chloride (MeCl) and other VOCs to reach the subsurface. The release site is located adjacent to the east side of Building #21140 and is covered by a RCRA Subtitle C cap installed in 1990. The former surface impoundment at this site is designated as SWMU 104 (IRP site WSMR-34). The MeCl plume is designated as SWMU 108 (IRP site WSMR-41). Surface features at the TTF are shown on Figure 10. Long term groundwater monitoring and site inspections are carried out as specified in the Post-Closure Care Permit (PCCP) (Permit # NM2750211235-PCC, issued 30 September 1993). The PCCP identifies eight COCs associated with the spill.

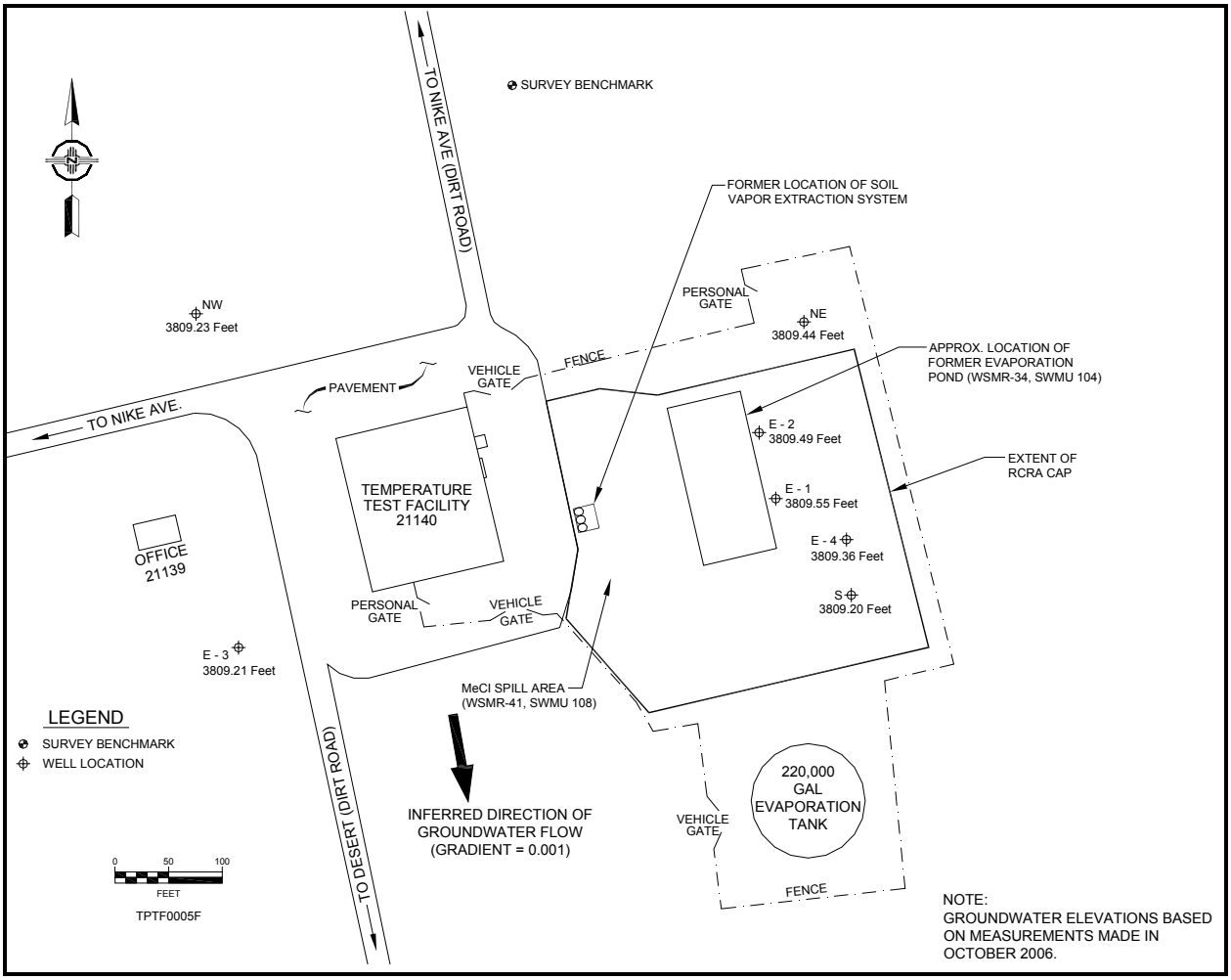

FIGURE 10. TEMPERATURE TEST FACILITY (SWMU 104/108) (WSMR-41) SITE MAP

According to previous studies at the site, area geology consists of several interbedded layers of clays, sands, and sandy lean clays that appear to be continuous across most of the site. Multiple borings across the site demonstrated that individual units vary in depth and thickness. There appears to be a confining clay layer, identified as Unit 9 in the previous studies, beginning at an approximate depth of 85 to 100 ft bgs and an average thickness of approximately 13 feet. Unit 9 was characterized as ranging in texture from a clay to a sandy clay, and typically was described as reddish-brown in color, stiff to hard

in consistency, containing light gray to pinkish-gray caliche nodules of variable size, occasional black staining, and ranging in moisture from dry to damp (WTS 2005a).

An SVE system was installed in 1995 to remediate the site. Operation of the SVE system continued until October 2002. During the summer of 2005, WSMR carried out additional subsurface sampling and investigation to determine if the SVE system had sufficiently removed the contamination. Analytical results of soil and soil vapor samples demonstrated a 99.98 percent reduction in MeCl. Groundwater sampling has yet to detect any COCs. At the request of NMED-HWB, WSMR has conducted additional modeling (Johnson & Ettinger) and risk analysis to demonstrate that there is no identified unacceptable risks associated with subsurface vapor-phase contamination at the TTF. Thus, the site is suitable for closure.

9.1 Scope of Services

WSMR has been performing inspections and long term monitoring at the TTF in accordance with the *Post-Closure Care Permit (PCCP) for the Temperature Test Facility Disposal Surface Impoundment, Permit Number: NM2750211235-PCC,* issued on 30 September 1993. The requirements include semi-annual sampling to monitor the groundwater at SWMU 108.

Upon satisfaction of all closure requirements, WSMR suspended both groundwater sampling and monthly cap inspections, pending abandonment of wells on the site (WSMR 2007). No groundwater sampling took place during calendar year 2007 and monthly inspections were suspended as of June 2007.

9.2 Regulatory Criteria

Since issuance of the PCCP and initiation of groundwater monitoring at the site, no verified detections of COCs have occurred in the groundwater samples. As required, after ten years of maintaining the site under the PCCP, WSMR submitted a permit modification application in March 2003. The permit modification process was halted based on discussions with the NMED-HWB. WSMR performed additional subsurface soil and soil vapor sampling (May-June 2005) to verify the success or deficiency of the SVE system in remediating target COCs. The results of this study and subsequent modeling may nullify the need for permit renewal as it applies to TTF and SWMUs 104 and 108. The study procedures and findings are discussed in the *Clean Closure Demonstration Report* (WTS 2005). Additional modeling and risk analysis is detailed in the *Revised Addendum to the Clean Closure Demonstration Report* (WTS 2006).

The NMED 2007 Annual Fee Letter (NMED 2007) lists the TTF Surface Impoundment (SWMU-104) as a Post-Closure Care Unit (PCCU-1). The Vapor Plume and SVE System (SWMU 108) is not listed in the letter. NMED has accepted closure activities as sufficient (NMED 2007), so the PCCP will not be renewed. Current and future regulatory status of the TTF site will be regularized when the new WSMR Hazardous Waste Permit is issued.

9.3 Remediation Systems Monitoring and Additional Site Activities

9.3.1 Remediation Systems and Facility Clean Closure Demonstration

WSMR has submitted the *Clean Closure Demonstration Report* (WTS 2005a) discussing the activities and results of additional soil and soil vapor sampling conducted at the site. Based on a comparison to samples drawn from soil-gas monitor wells and analyzed with EPA Method TO-14 in support of the RFI (WCFS, 1996), maximum vapor concentrations have diminished significantly at the site. Maximum concentrations have declined by at least 98.8 percent for the eight analytes detected in both the RFI and the current study. Maximum and average concentrations of methylene chloride have declined by 99.98 percent since 1995.

NMED-HWB requested additional modeling and risk analysis to quantify potential vapor intrusion considering a worst-case exposure scenario. WSMR directed the development of the *Revised Addendum to the Clean Closure Demonstration Report* (WTS 2006) to address NMED-HWB concerns. Based on the

risk screening and Johnson and Ettinger modeling conducted for the Revised Addendum, there are no identified unacceptable risks associated with subsurface vapor-phase contamination at the TTF.

9.3.2 Inspection and Maintenance

Inspections of the RCRA cap covering the MeCl spill area occurred on a monthly basis during calendar year 2007, ending in June 2007. Measurements to the water table in seven of the on site monitor wells also occurred during the inspections. The purpose of the inspections is to evaluate the integrity of the cap, fence, and well surface appurtenances. Maintenance activities consisted of weed control and trash clean up. No significant issues were noted except for increased weed growth due to late summer precipitation. This issue has been addressed. Inspection reports are included in Appendix D.

9.3.2 Well Abandonment

With the concurrence of NMED, all vapor extraction and monitor wells were abandoned in November and December 2007. Abandonment consisted of filling each casing from bottom up to the ground surface with cement grout. Surface casing and other surface appurtenances were removed and transported to the WSMR C&D Landfill for disposal. A letter report of the abandonment activities is provided in Appendix G.

9.4 Summary

Based on the groundwater measurements taken during calendar year 2006, and historical data, the groundwater flow direction was calculated as south with a slight easterly component and an estimated gradient of 0.001 (see Figure 9). The average depth to water in each of the wells has not changed substantially from prior years, but does reveal a general decline typical of recent drought conditions in the region. Inspections of the RCRA cap at SWMU 108 were conducted monthly (through June 2007). Minor maintenance (i.e. weed control and removal of trash) was conducted, but no major problems were noted with the cap.

The onsite wells (both monitor wells and vapor extraction wells) were properly abandoned during November and December 2007. This action concludes all onsite activities.

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10.0 HELSTF CONSTRUCTION LANDFILL (SWMUS 38 & 39), CHROMATE SPILL (SWMU 143), SYSTEMIC DIESEL SPILL (SWMU 154) (WSMR-52, -54, -55), AND GROUNDWATER STUDY (WSMR-85)

Groundwater monitoring at the three HELSTF sites is conducted as a single campaign. Accordingly, the events will be presented and discussed together. Note that groundwater flow directions are not shown on the figures. Flow directions in the perched zones are not well understood and are unrelated to the regional flow system.

HELSTF is located near the depositional axis of the Tularosa Basin, just south of the eolian gypsum dunes of the White Sands National Monument. As a result of the central basin setting and the proximity to the source of the gypsum sand (Lake Lucero), the subsurface geology at HELSTF is dominated by unconsolidated, fine-grained clastic sediments interspersed with gypsum and minor selenite re-deposited from solution. These uppermost fine sediments are generally underlain by yellowish brown silty sand or poorly graded sands to at least 90 ft bgs. A laterally pervasive clay layer was observed at approximately 60 ft bgs. The stratigraphic units have been described as laterally discontinuous.

There exists a pending RFI Phase III study of the HELSTF Site as a whole. This study, identified as the HELSTF Groundwater Study (WSMR-85), was prompted by NMED in order to provide a better understanding of the groundwater in the vicinity of HELSTF and how it relates to each of the SWMUs and Areas of Concern (AOCs). Thus, it will encompass all SWMUs, AOCs, and monitor wells at the site (Figure 10). This study does not have a SWMU number but is designated as IRP site WSMR-85 for funding purposes. As part of the Phase III RFI at HELSTF, the groundwater study will include sampling of existing monitor wells and 13 new monitor wells installed during the fall of 2006. The results of this study will be published in the RFI completion report. The work plan to carry out this study (WTS 2005b) has been reviewed and approved by NMED. The field portion of this study began in September 2006 and was completed in January 2007. The report of activities will be delivered to NMED in 2008 (WTS 2007c).

In the future, all groundwater monitoring results will be reported as part of WSMR-85.

10.1 HELSTF Construction Landfill (SWMUs 38 & 39)

The HELSTF Construction Landfill consists of approximately five disposal cells which were utilized for disposal of construction debris and other material (Figure 11). The site is located northeast of the HELSTF test area and is designated as SWMUs 38 and 39 (IRP site WSMR-52, changed to CCWS-75). The NMED 2007 Annual Fee Letter (NMED 2007), Table A, lists the sites as operating units, LDU-6 and -9, respectively. Records indicate usage of the landfill from the early 1960s until 1989. The landfills are described as unlined trenches approximately 300 feet long, 50 feet wide, and 8 feet deep. On two occasions, the landfill was reportedly utilized for disposal of contaminated soil. According to the 1988 RFA (A. T. Kearney 1988), soil contaminated with chromated water which leaked in June of 1986 from Test Cell 1 was deposited in the construction landfill. In August of 1988, a release report notes approximately 50 gallons of low power chemical laser oil was accidentally released to the soil. The impacted soil was then excavated and taken to the construction landfill. In addition, in 1990, chromium-contaminated soil from SWMU 143 was deposited at the construction landfill.

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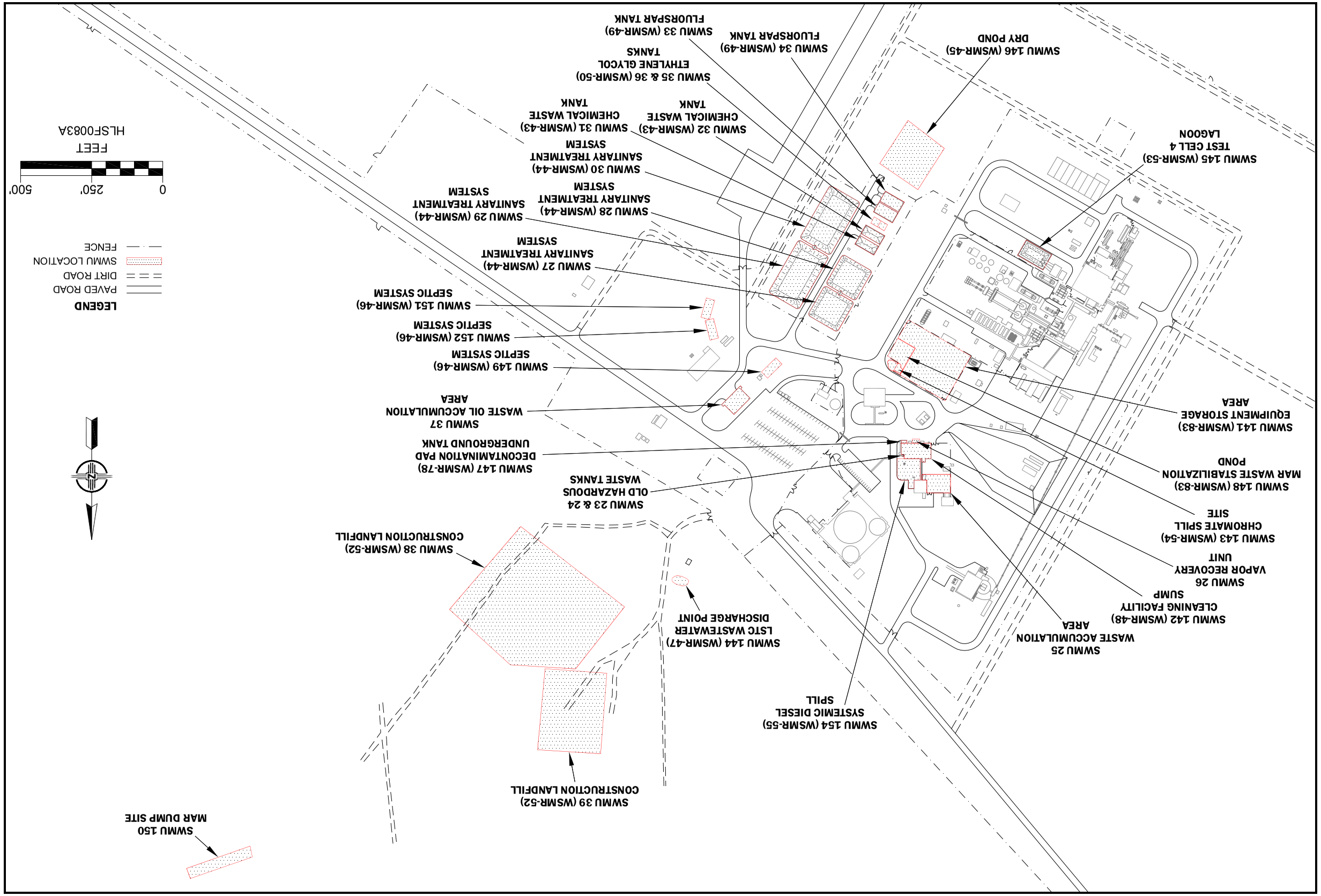
FIGURE 11. HELSTF SITE MAP



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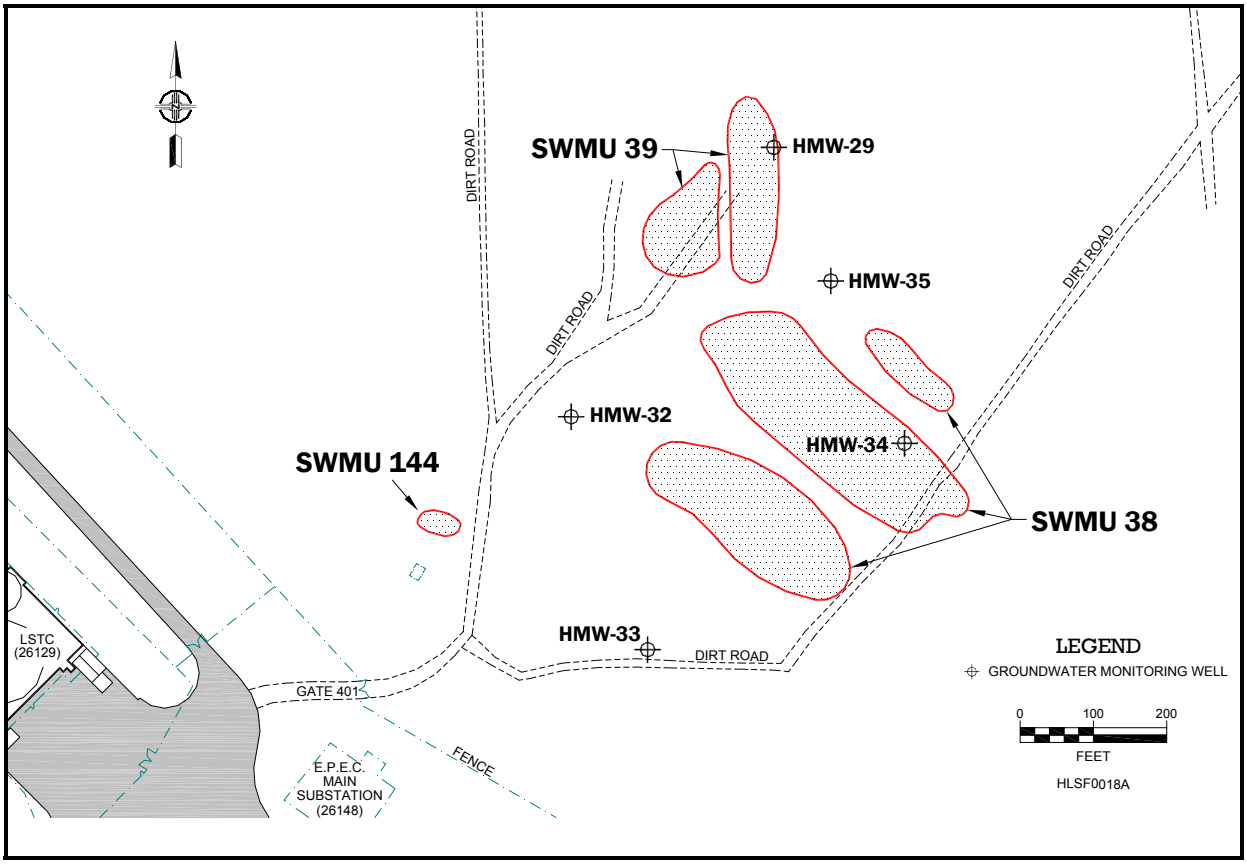

FIGURE 12. HELSTF CONSTRUCTION LANDFILL (SWMUS 38 & 39) (CCWS-75) SITE MAP

There are five monitor wells in the vicinity of CCWS-75. These monitor wells are sampled semi-annually to detect and monitor concentrations of potential contaminants in the groundwater. Construction details are provided in Table 19.

TABLE 19. CONSTRUCTION DETAILS FOR HELSTF CONSTRUCTION LANDFILL MONITOR WELLS

Well No.*	Northing[1]	Easting[1]	Elevation[2] Top of PVC (ft)	Screen Interval (ft bgs)	Aquifer
HMW-29	3,611,702.26	375,457.99	3,955.63	68-78	Regional
HMW-32	3,611,590.71	375,373.87	3,955.57	74-89	Regional
HMW-33	3,611,494.00	375,405.68	3,953.48	35-50	Lower perched
HMW-34	3,611,579.49	375,512.45	3,955.73	75-90	Regional
HMW-35	3,611,646.79	375,481.87	3,955.49	63-83.5	Regional

Notes: PVC – Polyvinyl Chloride ft – feet

1. Universal Transverse Mercator (UTM) Coordinate Systems, Zone 13, North American Datum 1983 (NAD83)
2. Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29)

* All wells are 4" diameter PVC.

10.2 HELSTF Storage Yard Chromate Spill (SWMU 143)

The HELSTF Chromate Spill Site is designated as SWMU 143 and as IRP Site WSMR-54. The NMED 2007 Annual Fee Letter (NMED 2007), Table B, lists the site as a corrective action unit. The site is located in the east corner of the equipment storage area (Figure 13). It was discovered in December 1989 and was most likely the result of a leaking 55-gallon drum of corrosion inhibitor containing hexavalent chromium and zinc. Corrective measures were taken in 1990 when approximately 125 cubic feet of soil were removed from the site and disposed of at SWMU 38 and 39. A roof structure (later replaced by a cap) was placed over SWMU 143 to limit infiltration of precipitation. Detectable amounts of hexavalent chromium were observed in monitor wells adjacent to the site during the Phase II RFI completed in 1994. During 1998, an in-situ gaseous reduction demonstration project was carried out which apparently reduced 70 percent by mass of the hexavalent chromium to trivalent chromium. Nine monitor wells have been sampled semiannually since 1998 to monitor contaminant concentrations in the groundwater. Construction details are provided in Table 20.

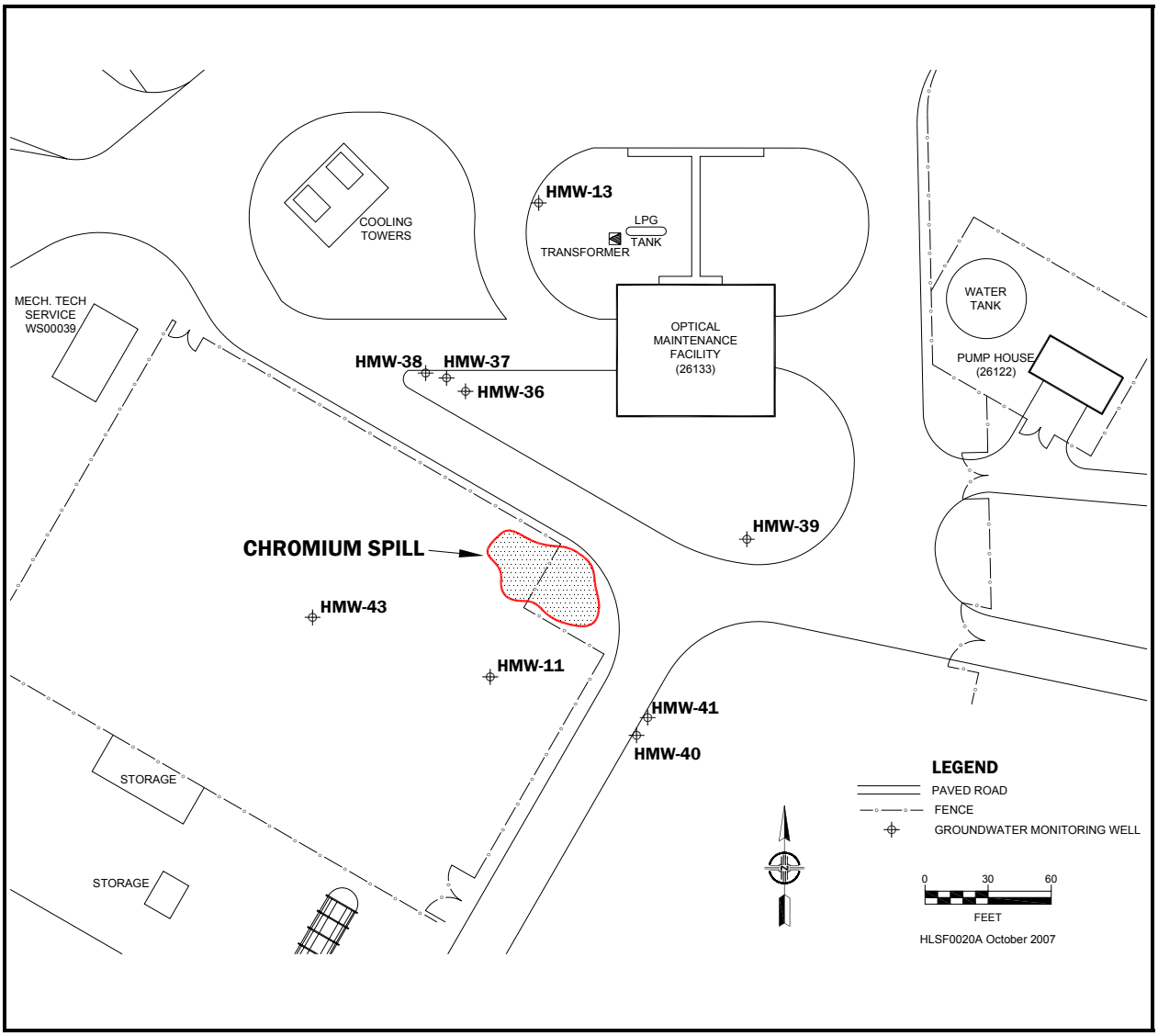

FIGURE 13. HELSTF CHROMATE SPILL (SWMU 143, WSMR-54) SITE MAP

TABLE 20. CONSTRUCTION DETAILS FOR HELSTF CHROMATE SPILL MONITOR WELLS					
Well No.*	**Northing[1]**	**Easting[1]**	**Elevation[2] Top of PVC (ft)**	**Screen Interval (ft)**	**Aquifer**
HMW-11	3,611,302.42	375,080.66	3955.91[3]	47.0-62.0	Lower perched
HMW-13	3,611,371.06	375,087.71	3956.27[3]	32.0-42.0	Lower perched
HMW-36	3,611,343.77	375,077.12	3,955.92	11.0-12.0	Upper perched
HMW-37	3,611,345.71	375,074.37	3,956.31	27.0-42.0	Lower perched
HMW-38	3,611,346.42	375,071.34	3,956.52	52.0-62.0	Lower perched
HMW-39	3,611,322.34	375,117.88	3,955.60	52.0-62.0	Lower perched
HMW-40	3,611,293.93	375,101.89	3,953.85	28.0-38.0	Upper perched
HMW-41	3,611,296.50	375,103.51	3,953.89	49.0-59.0	Lower perched
HMW-43	3,611,311.02	375,054.95	3,957.22	52.5-62.5	Lower perched

Notes: PVC – Polyvinyl Chloride ft – feet

1. Universal Transverse Mercator (UTM) Coordinate Systems, Zone 13, North American Datum 1983 (NAD83)
2. Elevations are based on National Geodetic Vertical Datum of 1929 (NGVD 29), unless noted.
3. Elevations are based on North American Vertical Datum, 1988. (NAVD88)

* All wells are 4" diameter PVC.

10.3 HELSTF Systemic Diesel Spill (SWMU 154)

The HELSTF Systemic Diesel Spill Site is designated as SWMU 154 and as IRP Site WSMR-55. The NMED 2007 Annual Fee Letter (NMED 2007), Table B, lists the site as a corrective action unit. This spill is located in the area surrounding the Cleaning Facility (Figure 14). An investigation at the Cleaning Facility in 1990 found free-phase fuel product in a soil boring. The product was released from a 30,000-gallon underground storage tank (UST) that supplied boilers in the Cleaning Facility's basement. This UST was installed in late 1979 or early 1980 and removed in 1988. Estimates are that 100,000 gallons of fuel may have been released. The free product was found to be floating on a perched water-bearing zone between 40 and 50 ft bgs.

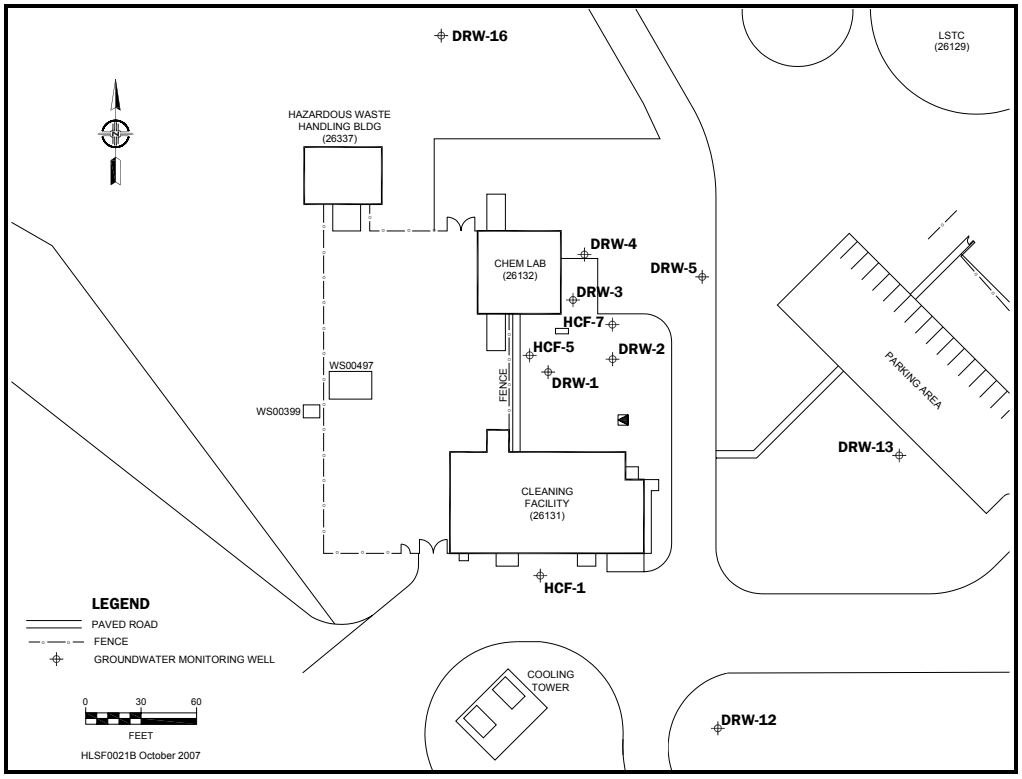

FIGURE 14. HELSTF SYSTEMIC DIESEL SPILL (SWMU 154, WSMR-55) SITE MAP

A vacuum enhanced diesel recovery system (VEDRS) has been operating at the site to recover free product since 1995. The VEDRS consists of a network of 11 skimming wells which remove free product found on the surface of the perched water table. Details for the skimming wells are provided in Table 21. WSMR has sampled groundwater in the vicinity of SWMU 154 on a semi-annual basis from these 11 wells since 1998, and groundwater monitoring at the site is currently active.

TABLE 21. CONSTRUCTION DETAILS FOR HELSTF SYSTEMIC DIESEL SPILL MONITOR WELLS

Well No.*	Northing[1]	Easting[1]	Elevation[2] Top of casing (ft)	Screen Interval (ft bgs)	Aquifer
DRW-1	3,611,428.81	375,066.10	3,956.66	35.0-55.0	Lower Perched
DRW-2	3,611,430.94	375,076.73	3,955.93	35.0-55.0	Lower Perched
DRW-3	3,611,440.74	375,070.20	3,956.81	35.0-55.0	Lower Perched
DRW-4	3,611,448.25	375,072.09	3,956.69	35.0-55.0	Lower Perched
DRW-5	3,611,444.56	375,091.52	3,955.47	35.0-55.0	Lower Perched
DRW-12	3,611,369.87	375,094.10	3,956.41	35.0-55.0	Lower Perched
DRW-13	3,611,415.02	375,124.03	3,955.34	35.0-55.0	Lower Perched
DRW-16	3,611,484.48	375,048.46	3,956.05	65.0-85.0	Regional
HCF-1	3,611,395.13	375,064.80	3,957.87	40.0-60.0	Lower Perched
HCF-5	3,611,431.58	375,063.05	3,956.99	35.0-55.0	Lower Perched
HCF-7	3,611,436.66	375,076.70	3,957.24	35.0-55.0	Lower Perched

Notes: PVC – Polyvinyl Chloride ft – feet R – regional aquifer PL – perched water bearing zone

1. Universal Transverse Mercator (UTM) Coordinate Systems, Zone 13, North American Datum 1983. (NAD83)
2. Elevations are based on North American Vertical Datum, 1988. (NAVD88)

* All wells are 4" diameter PVC.

The Systemic Diesel Spill (SWMU 154, WSMR-55) is commingled with contamination from the Cleaning Facility Sump (SWMU 142, WSMR-48). For the interim, monitoring of the diesel spill will also provide adequate information concerning the cleaning facility. Issues related to the two sites will be addressed during the planned corrective measures study.

10.4 Scope of Services

The HELSTF sites have been subjected to semi-annual groundwater monitoring since 1998 (1994 for the Diesel Spill Site) to determine the concentration of contaminants in the groundwater. This is a continuation of the ongoing groundwater monitoring program at HELSTF. However, advantage was taken of lessons learned during previous events to significantly modify the analytical schedule and to accommodate some different wells to be sampled. The current analytical schedule is shown on Table 22. During 2004, WSMR elected to initiate low-flow sampling methods where possible. The first monitoring event for 2007 (normally scheduled for February) was omitted in favor of the comprehensive groundwater monitoring event conducted as part of the Phase III RFI. Normal monitoring resumed in August, and the monitor wells associated with the various sites were sampled August through October 2007, utilizing low flow sampling techniques.

Changes in monitor wells to be sampled include:

- For the Construction Landfill, drop HMW29 and HMW35, leaving HMW32, HMW33, and HM W34, a RCRA-compliant 1-up-and-3-down configuration, and add new wells HMW59 and HMW65, which need confirmatory sampling.
- For the Chromate Spill Site, drop HMW11 and HMW37 as redundant, while adding DRW10, DRW14, and HMW53, all of which need confirmatory sampling.
- For the Diesel Spill and Cleaning Facility Sump sites [commingled], drop DRW13, which has impaired sampling conditions, and add HCF02, HMW54, and HMW55, all of which need confirmatory sampling.

TABLE 22. CURRENT [AUGUST – OCTOBER 2007] HELSTF ANALYTICAL SCHEDULE		
Parameter	**Reference Method**	**Method Type**
Water Quality		
Total Cyanide	SW846 9010B	Distillation
CO_3^{-2} & HCO_3^{-1} Alkalinity pH Conductance, TDS	SM 2320B SM 4500-H+ SM 2510B SM 2540C	Titrimetric Electrometric Conductivity Meter Gravimetric
Dissolved Ions		
Chloride Fluoride Bromide Sulfate	EPA 300.0	Ion Chromatography
Ammonium Perchlorate	EPA 314.0	Spectrophotometer
Nutrients		
Nitrate/Nitrite (NO_3+NO_2)	SM 4500	Cd Column
Total Metals		
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Nickel Selenium Silver Thallium Tin Vanadium Zinc	SW846 6010B	ICP/AES
Mercury	SW846-7470A	Cold Vapor-AA
Organics		
Volatile Organic Compounds	SW846 8260B	Gas Chromatography/ Mass Spectrometry
Petroleum Hydrocarbons	EPA 8015 B(mod) DRO&GRO	Gas Chromatography
Semivolatile Organic Compounds ***	SW846 8270C	Gas Chromatography / Mass Spectrometry
Explosives ***	SW846-8330	HPLC
TOC	EPA 415.1	TOC analyzer

EPA – Environmental Protection Agency
SM – Standard Methods
MS – Mass Spectrometry
DRO – Diesel Range Organics
GRO – Gasoline Range Organics
GC – Gas Chromatography
HPLC – High Performance Liquid Chromatography
FID – Flame Ionization Detector
ICP-AES – Inductively Coupled Plasma-Atomic Emission Spectroscopy

10.5 Regulatory Criteria

Groundwater monitoring is ongoing, pending acceptance of the Phase III RFI Report (WTS 2007c).

10.6 Groundwater Monitoring Results

The three sites at HELSTF are sampled as a single campaign. Accordingly, all of the results will be reported together. This is a continuation of the ongoing groundwater monitoring program at HELSTF. However, advantage was taken of lessons learned during previous events to significantly modify the analytical schedule and to accommodate some different wells to be sampled. The analytical schedule for the sites was shown on Table 22.

10.6.1 Sampling Procedures

The August-October event continued to use low-flow sampling techniques. The production rate was generally set at 250 mL/min and the sample collected when temperature and conductivity stabilized. The parameters recorded at the time of sampling for each of the wells is shown in Appendix C.

10.6.2 Analytical Results

The Phase III RFI (WTS 2007c) presented determinations of background groundwater quality for the regional system. Observations from onsite monitor wells may be interpreted in light of the background determined for each constituent. Table 23 presents the background values from the RFI.

TABLE 23. FINAL HELSTF BACKGROUND GROUNDWATER QUALITY DETERMINATIONS

Analyte Name	Value	Units
Total and Bicarbonate Alkalinity	214	mg/L*
Carbonate and Hydroxide Alkalinity	< 1	mg/L*
Bromide	195	mg/L
Chloride	2220	mg/L
Dissolved Arsenic	< 0.01	mg/L
Total and Dissolved Barium	< 0.01	mg/L
Total and Dissolved Cadmium	< 0.01	mg/L
Total and Dissolved Chromium	0.6	mg/L
Total and Dissolved Copper	< 0.005	mg/L
Total and Dissolved Lead	0.0113	mg/L
Total Mercury	< 0.0002	mg/L
Total Phosphorous	< 0.05	mg/L
Total and Dissolved Potassium	84	mg/L
Dissolved Selenium	0.072	mg/L
Total and Dissolved Silver	< 0.002	mg/L
Dissolved Sodium	2870	mg/L
Fluoride	2.04	mg/L
Nitrate-N	82.5	mg/L
pH	7.48	s. u.

TABLE 23. FINAL HELSTF BACKGROUND GROUNDWATER QUALITY DETERMINATIONS

Analyte Name	Value	Units
Specific Conductance	14725	µmhos/cm
Sulfate	7295	mg/L
Total Arsenic	0.012	mg/L
Total Dissolved Solids	15650	mg/L
Total Organic Carbon	2.5	mg/L
Total Selenium	0.076	mg/L
Total Sodium	3030	mg/L
Total Zinc	0.024	mg/L
* as CaCO3		

The analytes detected for each site are shown in Appendix C. The associated laboratory reports are also provided on the data CD in Appendix F. Although the native groundwater at HELSTF has a total dissolved solids content greater than 10,000 mg/L, the concentrations are compared to NMWQCC standards. Concentrations above those standards are **bolded.** The data shown are consistent with previous events and the data from the newly-designated wells are also consistent with the long-term record.

- For the Chromate Spill Site (SWMU 143, WSMR-54), chromium, selenium, chloride, fluoride, nitrate, sulfate, and total dissolved solids generally occur at concentrations in excess of NMWQCC standards. Of these, it is likely that only chromium is a valid contaminant of concern related to the spill event. HMW38, a well completed in the lower perched system, displays concentrations of methylnaphthalenes in excess of standards. These compounds are commonly considered constituents of diesel fuel. 1,1-dichloroethene and trichloroethene (TCE) are the only volatile organic compounds detected. Only HMW41, a well completed in the lower perched system, routinely contains TCE in excess of the NMWQCC standard of 100 µg/L. For this sampling event, DRW14, a regional aquifer well, also displays TCE in excess of the standard.

- For the Construction Landfill Site (SWMUs 38 and 39, WSMR-52), chloride, nitrate, sulfate, and total dissolved solids generally occur at concentrations in excess of NMWQCC standards. Of these, none can reliably be identified as a contaminant of concern related to the past waste disposal activities. Monitor well HMW33, completed in the lower perched system, displays selenium in excess of NMWQCC standards and also continues to display low (~6 µg/L) levels of TCE, substantially below the NMWQCC standard of 100 µg/L.

- For the Systemic Diesel Spill Site (SWMU 154, WSMR-54), chloride, fluoride, chromium, nitrate, sulfate, and total dissolved solids generally occur at concentrations greater than NMWQCC standards. Low levels of a number of volatile organic compounds are routinely detected, associated with the commingled spill from the Cleaning Facility (SWMU 142, WSMR-48). For the first time since the calendar year 2000 events, several wells display detectable quantities of explosive compounds, some above relevant standards.

- Throughout the three sites, sporadic observations of various other metals, some above NMWQCC standards, are ascribed to native sources.

- All of these observations will be carried forward and incorporated into considerations for future remedial actions.

10.7 Remediation System Monitoring and Additional Site Activities

HELSTF Systemic Diesel Spill (SWMU 154): The VEDRS has been in operation since 1995 utilizing a network of wells to remove free product on the perched water table in the vicinity of SWMU 154. The system consists of the 11 extraction wells, the vacuum system, itself, and carbon canisters. Exhaust is to the atmosphere through an elevated stack. Initial recovery rates were as high as 200 gallons per month. Recovery rates began to decline in 1998 and continued to decline through 2004. During 2004, performance analysis revealed that the VEDRS was no longer removing product in a cost-effective manner. The decision at the time was to continue operating only the skimming pump portion of the system. The system [skimming pumps, only] was started up again in October 2005. Product recovered in 2005/2006 was minimal and the skimming pumps have also been shut down. Current planning is to:

- Continue to leave the VEDRS in idle status, pending the outcome of the Phase III RFI, and
- Revisit use of active remediation techniques as part of the planned corrective measures study.

10.8 Revised Long Term Groundwater Monitoring Program

Based on the current understanding of groundwater conditions at HELSTF, WSMR is adopting a revamped long-term groundwater monitoring program. The program is designed to continue observation of groundwater conditions for the HELSTF facility as a whole, while maintaining an appropriate focus on the sites (SWMUs) that were previously monitored – Construction Landfills (WSMR-52), Storage Yard Chromate Spill (WSMR-54), and Systemic Diesel Spill (WSMR-55). This section describes the monitor wells selected for continued use and the rationale for selection. The structure and content of the system is as follows:

1. Background Groundwater Quality

   Two wells completed in the regional aquifer, HMW08 and 61, are selected for background groundwater quality sampling sites. HMW08 is a pre-existing well that has been used for determination of background for the wastewater monitoring program. HMW61 was installed for the Phase III RFI. Neither appears, on the basis of previous sampling results, to be influenced by HELSTF industrial or waste management practices and thus can be used to provide reliable background groundwater quality data.

2. Upper Perched Water Bearing Zone

   Consistent with the expectation that the upper perched water bearing zone is an artifact of leakage from the now-idle wastewater lagoons, WSMR plans no groundwater quality sampling from any upper perched wells. Water levels will continue to be measured in selected wells to monitor the dissipation of the water body. Currently, 9 of 14 upper perched wells contain water. These are HMW01-04, 17, 19, 24, 36, and 40. All will be measured.

3. Eastern Zone – Construction Landfill and nearby SWMUs

   Given the apparent limited impact on the regional aquifer, perimeter monitoring is a sufficient strategy for this portion of the HELSTF site. Monitor wells HMW33 [lower perched], 34, and 59 are selected for this purpose.

4. Southeastern [Test Cell Area boundary] Zone

   Given an approximately southeasterly flow direction in the regional aquifer system, it is prudent to continue to sample monitor wells along the downgradient boundary of the overall industrial [Test Cell] area. Monitor wells HMW57, 58, 62, and 63 are selected for this purpose. All are completed in the regional aquifer. Sampling monitor well HMW63 has the added benefit of providing some early warning of any groundwater impacts from the new wastewater lagoons [a non-RCRA issue].

5. Test Cell Area

   Within the industrialized (Test Cell) area of HELSTF proper, more intense monitoring is appropriate. Monitor wells completed in both the lower perched water bearing zone and the regional aquifer are selected.

   a. Lower perched water bearing zone: HMW10, 14, 43, and 53; DRW02 and 08; and HCF03.

   b. Regional aquifer: HMW54 and 55; DRW14, 16, and 17.

6. "Sentinel" well

   Monitor well HMW60 is substantially downgradient of HELSTF activities and displays no impacts from those activities. Therefore, it should serve as a suitable "sentinel" well. It need only be sampled once every three years, at most, to adequately demonstrate "no impact" on the wider region.

7. The map in Figure 15 shows all wells to be included in the water quality program. Well completion data are shown in the accompanying Table 24.

8. Analytical program

   WSMR has continuously made extensive changes to the analytical schedule. In looking forward, only small additional changes are prudent. The planned analytical schedule for long-term monitoring is shown in Table 25

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FIGURE 15. WELLS SELECTED FOR HELSTF LONG TERM GROUNDWATER MONITORING PROGRAM

TABLE 24. WELLS SELECTED FOR HELSTF LONG TERM GROUNDWATER MONITORING PROGRAM

Well Name		UTM Northing Brass Cap	UTM Easting Brass Cap	Elevation feet Brass Cap	Elevation feet TOC	Stickup	DTW TOC 12/2006	Water Table Elevation	Top of Screen TOC	Bottom of Screen TOC	Well TD As Measured TOC	Aquifer	Well Name
DRW-02*		3,611,429.5520	375,076.1050	3,956.4998	3,957.9160	1.42	47.37	3,910.55	36.4162	56.4162	60.45	LP	DRW-2
DRW-08		3,611,415.4580	375,022.1140	3,956.3707	3,958.3550	1.98	44.91	3,913.45	36.9843	56.9843	63.07	LP	DRW-8
DRW-14		3,611,290.5140	375,159.7160	3,953.1071	3,955.3979	2.29	71.57	3,883.83	67.2908	87.2908	91.99	R	DRW-14
DRW-16		3,611,485.6120	375,048.6040	3,955.3580	3,957.7339	2.38	72.45	3,885.28	67.3759	87.3759	92.81	R	DRW-16
DRW-17		3,611,440.6470	375,021.9500	3,955.6877	3,957.8788	2.19	72.29	3,885.59	67.1911	87.1911	92.91	R	DRW-17
HCF-03*		3,611,363.2960	375,052.4610	3,955.8354	3,957.1240	1.29	38.8	3,918.32	31.2886	56.2886	58.1	LP	HCF-3
HMW-01		3,611,239.5110	375,223.8210	3,953.2701	3,954.4509	1.18	17.88	3,936.57	11.1808	21.1808	23.23	UP	HMW-1
HMW-02		3,611,282.9570	375,145.3380	3,954.7787	3,955.7898	1.01	13.36	3,942.43	10.0111	20.0111	21.41	UP	HMW-2
HMW-03		3,611,212.4770	375,103.9310	3,954.9501	3,956.0408	1.09	13.74	3,942.30	11.0907	21.0907	22.5	UP	HMW-3
HMW-04		3,611,119.7580	375,151.8850	3,954.3020	3,955.4444	1.14	21.47	3,933.97	13.1424	23.1424	24.59	UP	HMW-4
HMW-08		3,611,953.7330	375,301.5870	3,957.9749	3,959.7569	1.78	75.79	3,883.97	76.982	101.982	99.75	R	HMW-8
HMW-10		3,611,363.7110	374,944.8320	3,959.6991	3,959.5271	(0.17)	43.15	3,916.38	33.828	48.828	50.91	LP	HMW-10
HMW-14		3,611,312.2630	375,213.4770	3,953.0644	3,954.5533	1.49	29.24	3,925.31	40.4889	45.4889	50.83	LP	HMW-14
HMW-17		3,611,308.7260	375,207.5410	3,952.7790	3,954.3793	1.60	17.8	3,936.58	21.6003	26.6003	29.91	UP	HMW-17
HMW-19*		3,611,141.0360	375,062.8110	3,954.8539	3,956.1239	1.27	21.09	3,935.03	11.27	21.27	23.01	UP	HMW-19
HMW-24		3,611,118.4160	375,084.6530	3,953.9302	3,956.3492	2.42	21.6	3,934.75	28.419	38.419	40.81	UP	HMW-24
HMW-33		3,611,493.9110	375,405.5340	3,953.0388	3,955.3788	2.34	42.34	3,913.04	37.34	52.34	53.01	LP	HMW-33
HMW-34		3,611,579.4910	375,512.2990	3,955.4449	3,957.6249	2.18	75.08	3,882.54	77.18	92.18	92.77	R	HMW-34
HMW-36		3,611,343.4090	375,077.0000	3,955.3324	3,957.7877	2.46	19.38	3,938.41	13.4553	23.4553	24	UP	HMW-36
HMW-40		3,611,293.8460	375,101.7400	3,953.4649	3,955.7356	2.27	19.11	3,936.63	30.2707	40.2707	40.95	UP	HMW-40
HMW-43		3,611,310.7020	375,055.1330	3,956.4230	3,959.0501	2.63	41.65	3,917.40	55.1271	65.1271	65.67	LP	HMW-43
HMW-53		3,611,309.9480	375,162.1310	3,954.1207	3,956.4577	2.34	24.8	3,931.66	32.337	42.337	47.86	LP	HMW-53
HMW-54		3,611,358.2010	375,073.8130	3,956.2630	3,958.8847	2.62	73.69	3,885.19	71.6217	81.6217	86.3	R	HMW-54
HMW-55		3,611,372.0550	375,116.5080	3,956.1603	3,959.1356	2.98	74.09	3,885.05	71.9753	81.9753	87.02	R	HMW-55
HMW-57		3,610,986.6270	375,057.6510	3,953.9477	3,956.8483	2.90	75.61	3,881.24	71.9006	81.9006	87.73	R	HMW-57
HMW-58		3,611,040.9230	375,146.9760	3,954.0271	3,956.8940	2.87	75.88	3,881.01	71.8669	81.8669	87.89	R	HMW-58
HMW-59		3,611,453.0100	375,482.3240	3,953.9692	3,957.4392	3.47	74.88	3,882.56	71.47	81.47	87.73	R	HMW-59
HMW-60		3,610,920.6560	375,528.4820	3,956.2722	3,959.3486	3.08	78.4	3,880.95	71.0764	81.0764	87.35	R	HMW-60
HMW-61		3,611,838.8810	374,793.6110	3,956.2247	3,958.8770	2.65	69.11	3,889.77	70.6523	80.6523	87	R	HMW-61
HMW-62		3,611,279.4040	375,337.9460	3,955.6858	3,958.6552	2.97	76.81	3,881.85	71.4694	81.4694	82.71	R	HMW-62
HMW-63		3,611,123.4520	375,251.5010	3,952.9344	3,955.7784	2.84	74.21	3,881.57	70.844	80.844	86.65	R	HMW-63

Survey Data from the Phase III RFI (2006-2007)

* DTW data from 9/2006. Well was dry after development during 12/2006 or data was not collected during 12/2006.

AQUIFER DESIGNATIONS:

UP	Upper Perched		depth to water only		9 wells	
LP	Lower perched		water quality sample		8 wells	
R	Regional		water quality sample		14 wells	

TABLE 25. PLANNED HELSTF LONG TERM MONITORING ANALYTICAL SCHEDULE		
Parameter	**Reference Method**	**Method Type**
Water Quality		
CO_3^{-2} & HCO_3^{-1} Alkalinity pH Specific Conductance Total Dissolved Solids	SM 2320B SM 4500-H+ SM 2510B SM 2540C	Titrimetric Electrometric Conductivity Meter Gravimetric
Ions		
Chloride Fluoride Sulfate	EPA 300.0	Ion Chromatography
Nutrients		
Nitrate/Nitrite (NO_3+NO_2)	E 353.3	Cd Column
Total Metals		
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Nickel Selenium Silver Thallium Tin Vanadium Zinc	SW846 6010B	ICP/AES
Mercury	SW846-7470A	Cold Vapor-AA
Organics		
Volatile Organic Compounds	SW846 8260B	Gas Chromatography/Mass Spectrometry
Petroleum Hydrocarbons	EPA 8015 B(mod) DRO&GRO	Gas Chromatography
Semivolatile Organic Compounds ***	SW846 8270C	Gas Chromatography /Mass Spectrometry
Explosives	SW846-8330	HPLC
TOC	EPA 415.1	TOC analyzer

10.9 Summary

Ongoing groundwater monitoring shows little change in conditions. Groundwater conditions at the HELSTF site as a whole are being evaluated as part of the HELSTF Groundwater Study (Phase III RFI and planned CMS).

For the three HELSTF sites, boron, cadmium, chloride, chromium, selenium, fluoride, nitrate, sulfate, and total dissolved solids generally occur at concentrations in excess of NMWQCC standards. Of these, it is likely that only chromium is a valid contaminant of concern related to site activities.

For the FY08 and subsequent sampling program, the wells to be sampled and the analyses to be performed will be as presented in Section 10.8, above.

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11.0 MAIN POST LANDFILL NO. 3 (SWMU 65) (WSMR-76)

The former Main Post Landfill No. 3 is located in the southeast portion of the WSMR Main Post area (Figure 1). This site is identified as SWMU 65 and as compliance cleanup program site CCWS-76. The NMED 2007 Annual Fee Letter (NMED 2007), Table A, lists the site as operating unit LDU-10. The SWMU boundary encompasses an area of approximately 49 acres (MEVATEC 2001). SWMU 65 was used as a disposal site for sanitary waste from the early 1960s to 1982. A portion of the site was also used as a scrap metal accumulation point from the 1970s until at least the late 1990s (Figure 16). Landfill operations utilized typical trench style disposal methods. The SWMU currently has four monitor wells (two installed in 1991 and two more in 1993). Groundwater monitoring occurred semi-annually from 1996 to 2001.

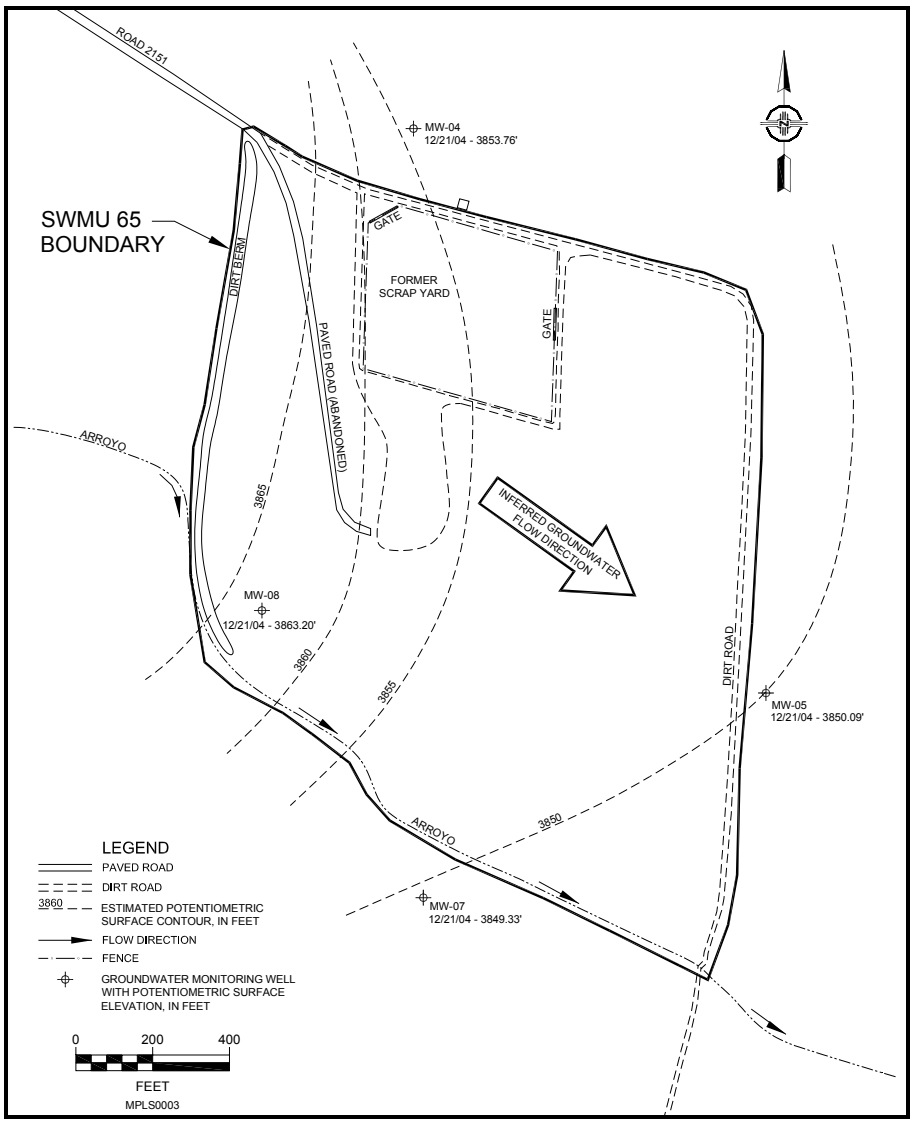

FIGURE 16. MAIN POST LANDFILL NO. 3 (SWMU 65) (WSMR-76) SITE MAP

This program did not detect potential contaminants of concern (COCs). However, total petroleum hydrocarbons (TPH) were detected in groundwater from two wells as part of the Phase I RFI analysis. This detection (<5 mg/L) was attributed to either well material leachate or the freshly painted well shrouds. During the Phase II RFI, two additional wells were installed. Analysis of groundwater samples from MW-07 detected two VOCs (1,1-dichloroethene and 1,1,1-trichloroethane) at or below associated groundwater protection standards. The program also detected minor concentrations of arsenic, barium, and lead. TPH was not detected.

Based on the recommendation of the Phase II RFI and the results of the groundwater monitoring program, WSMR submitted an RFI Report in June 2001 (MEVATEC 2001) supporting a petition for no further action at SWMU 65. NMED did not concur and issued a Request for Supplemental Information (RSI) on 14 July 2003. NMED has questioned the construction of the current monitor wells and whether they are able to detect potential leachate from SWMU 65 (NMED 2003c). The groundwater monitoring program at SWMU 65 is inactive pending the Phase III RFI proposed as a result of the NMED 2003 RSI.

SWMU 65 is located along the western edge of the Tularosa Basin near the alluvial fans of the Organ Mountains. The alluvial fans formed on the slopes of the uplifted fault blocks characteristic of this portion of the Basin and Range Province (WSMR EIS, 1998). The alluvial material in the area of the landfill is classified as the Sonoita-Pinaleno-Aladdin association, and is principally made up of gravelly sandy loam. Site-specific geology can be further characterized based on the lithography noted when installing monitor wells in the immediate area. Typical of alluvial fans, the site consists of layers of sand, silt, and clay in various proportions and intermixed with gravel. The unconsolidated alluvial material underlying the site may be as thick as 4000 to 6000 feet. Monitor wells and test wells in the vicinity of the site have not reached bedrock (USAEHA 1976). Groundwater exists at an average depth of just over 200 feet.

11.1 Scope of Services

Annual groundwater monitoring at the site is inactive while WSMR completes the Phase III RFI Work Plan which includes installation and sampling of four new monitor wells and soil sampling in certain areas of the site.

11.2 Regulatory Criteria

NMED has reviewed the Phase III RFI Work Plan for installation of additional monitor wells and supplemental sampling. WSMR addressed NMED concerns, has received approval of the Phase III RFI Work Plan, and has initiated the efforts described in the work plan in November 2007. Four additional monitor wells have been installed and certain other activities have been completed. WSMR will sample the new wells in January-February 2008 and will provide the results of all activities in a future RFI Report.

11.3 Groundwater Monitoring Results

No groundwater monitoring activities took place at this site during calendar year 2007. Groundwater monitoring occurred semi-annually from 1996 to 2001. This program did not detect potential COCs. However, TPH was detected in the Phase I RFI analysis of groundwater from two wells. This detection (<5 mg/L) was attributed to either well material leachate or the freshly painted well shrouds. During the Phase II RFI, two more wells were installed. Analysis of groundwater samples from MW07 detected two VOCs (1,1-dichloroethene and 1,1,1-trichloroethane) at or below associated groundwater protection standards. WSMR detected minor concentrations of arsenic, barium, and lead, but not TPH.

11.4 Remediation System Monitoring and Additional Site Activities

SWMU 65 does not have a remediation system. During 2006, WSMR removed various scrap materials (electrical cable, large metal tanks, and downed utility poles) from the surface of the site . Additional construction debris was removed in 2007. These materials appear to have been dumped at the site about the time the landfill stopped receiving waste or slightly after.

11.5 Summary

Groundwater monitoring at the site is inactive pending Phase III RFI activities. WSMR initiated well installation and soil and groundwater sampling which will be completed in 2008. WSMR will provide results in a Phase III RFI Report.

12.0 FORMER SEWAGE TREATMENT PLANT PERCOLATION DITCHES (SWMU 82) (WSMR-62)

The Former Sewage Treatment Plant (STP) Percolation Ditches are located east of the STP in the southern portion of WSMR (Figure 17). These ditches were formerly designated as SWMUs 82 and 83 and as IRP site WSMR-62. The NMED 2007 Annual Fee Letter (NMED 2007), Table A, combines the two SWMUs, listing them as operating unit SWMU 82)SI-3). WSMR utilized the percolation ditches for surface disposal of treated effluent from the STP during the period from 1958 through 1986. In 1995, it was discovered that groundwater in the area of STP had small concentrations of cyanide. It is hypothesized that this contamination is a result of photographic chemicals discharged to the sewer over a period of years. A CMS was completed (MEVATEC 2000). An addendum to the CMS was prepared in 2004 (BAE Systems 2004a) and transmitted to NMED HWB. WSMR has a requirement to continue the groundwater monitoring at WSMR-62.

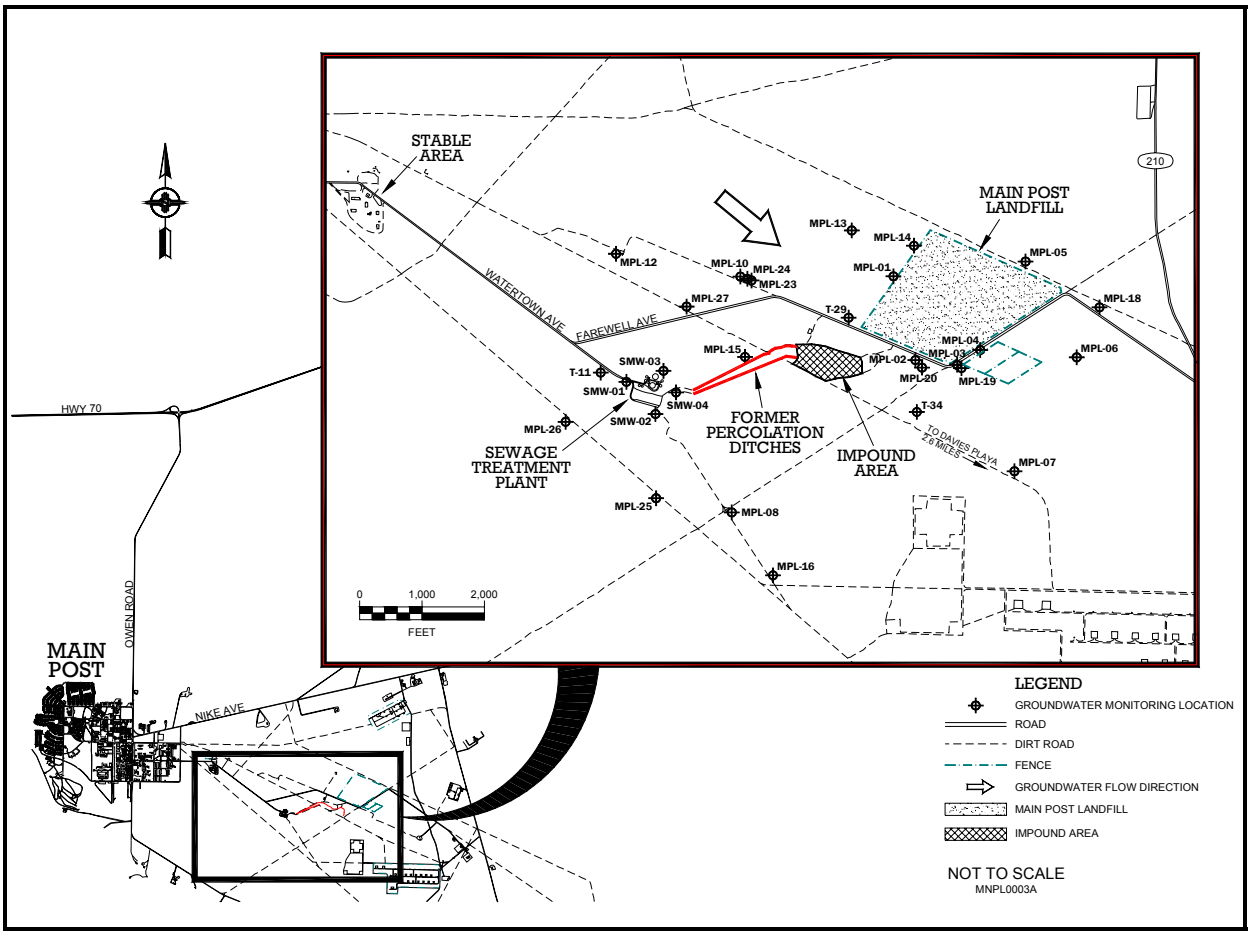

FIGURE 17. FORMER STP PERCOLATION DITCHES (SWMU 82) (WSMR-62) SITE MAP

WSMR has conducted quarterly or semi-annual groundwater monitoring at the STP percolation ditches on a routine basis since 2000. The planned monitoring program as presented in the CMS Addendum (BAE Systems 2004a) has been modified. Table 23 below reflects negotiated changes in the program during 2004 and 2005, and the table, as modified, was used in the current sampling program. A total of 26 wells remain in the program. Construction details are also provided in Table 26.

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TABLE 26. CONSTRUCTION DETAILS AND MONITORING STATUS OF FORMER STP PERCOLATION DITCHES MONITOR WELLS

Well ID*	Type[1]	Location (UTM NAD83)	Elevation (NAVD88) Brass cap	Total Depth (ft bgs)	Screened Interval (ft bgs)	Depth Category	Sampling Frequency	Notes
MPL01	center plume	3,582,677.65N 364,991.89E	4,012.56 ft	220 ft	197-217	interface	semi-annual	Required for landfill monitoring program
MPL02	center plume	3,582,677.65N 364,991.89E	4,004.55 ft	220 ft	198-218	interface	semi-annual	Required for landfill monitoring program
MPL03	center plume	3,582,244.11N 365,303.25 E	3997.75 ft	228.5 ft	205-225	interface	semi-annual	maintain as part of southern nested well group and required for landfill monitoring program
MPL04	center plume	3,582,316.39N 365,416.10 E	3,993.50 ft	225 ft	203-223	interface	semi-annual	Required for landfill monitoring program
MPL05	center plume	3,582,750.24N 365,637.58 E	3,991.90 ft	205 ft	182-202	interface	semi-annual	maintain as part of northeast nested well group
MPL06	plume edge	3,582,280.51N 365,887.83 E	3,975.97 ft	190 ft	167-187	interface	semi-annual	Maintain for monitoring potential eastward plume movement
MPL07	center plume	3,581,722.04N 365,583.48 E	3,983.39 ft	215 ft	182-212	interface	semi-annual	Continue
MPL08	plume edge	3,581,520.22N 364,201.65 E	4,058.48 ft	275 ft	243-273	interface	***Discontinue***	MPL16 is in same area and provides redundant measurement. Trends of total CN very similar for MPL08 and MPL16.
MPL10	center plume	3,582,676.54N 364,243.69 E	4,050.06 ft	275 ft	242-272	interface	semi-annual	maintain as part of northwest nested well group
MPL11	up gradient	3,582,787.82N 362,748.49 E	4,120.92 ft	325 ft	292-322	mid-level	***Discontinue***	Use SMW01 (mid-level) and MPL26 (interface) in lieu of MPL11.
MPL12	plume edge	3,582,787.98N 363,635.77 E	4,080.64 ft	265 ft	232-262	interface	***Discontinue***	Discontinue if no significant levels detected for short-term period.
MPL13	Plume	3,582,902.56N 364,788.17 E	4027.02 ft	235 ft	203-233	interface	semi-annual	
MPL14	Plume	3,582,827.80N 365,092.10 E	4,012.89 ft	230 ft	197-227	interface	***Discontinue***	MPL13 is in same area and typically measures slightly higher for total CN.
MPL15	center plume	3,582,282.61 364,266.40 E	4,053.93 ft	240 ft	207-237	interface	***Discontinue***	***Dry***
MPL16	plume edge	3,581,211.72N 364,403.16 E	4,045.74 ft	255 ft	222-252	interface	semi-annual	Continue
MPL17	plume edge	3,581,265.56N 365,777.49 E	3,980.52 ft	225 ft	192-222	interface	semi-annual	Maintain for monitoring potential eastward plume movement
MPL18	plume edge	3,582,525.55N 365,999.30 E	3,976.61 ft	230 ft	197-227	interface	semi-annual	Maintain for monitoring potential eastward plume movement
MPL19	center plume	3,582,227.53N 365,324.22 E	3,995.53 ft	475 ft	452-472	deep-level	semi-annual	maintain as part of southern nested well group
MPL20	center plume	3,582,230.04N 365,313.55 E	3,996.72 ft	325 ft	302-322	mid-level	semi-annual	maintain as part of southern nested well group
MPL21	center plume	3,582,766.03N 365,648.25 E	3,992.38 ft	445 ft	422-442	deep-level	semi-annual	maintain as part of northeast nested well group
MPL22	center plume	3,582,774.96N 365,626.77 E	3,993.15 ft	310 ft	287-307	mid-level	semi-annual	maintain as part of northeast nested well group

TABLE 26. CONSTRUCTION DETAILS AND MONITORING STATUS OF FORMER STP PERCOLATION DITCHES MONITOR WELLS

Well ID*	Type[1]	Location (UTM NAD83)	Elevation (NAVD88) Brass cap	Total Depth (ft bgs)	Screened Interval (ft bgs)	Depth Category	Sampling Frequency	Notes
MPL23	center plume	3,582,657.27N 364,298.94 E	4,046.48 ft	540 ft	518-538	deep-level	semi-annual	maintain as part of northwest nested well group
MPL24	center plume	3,582,665.48N 364,278.08 E	4,048.12 ft	315 ft	292-312	mid-level	semi-annual	maintain as part of northwest nested well group
MPL25	plume edge	3,581,589.59N 363,831.87 E	4,077.88 ft	275 ft	242-272	interface	semi-annual	Maintain for monitoring potential southwest plume movement
MPL26	up gradient	3,581,964.34N 363,389.40 E	4,097.89 ft	255 ft	222-252	interface	semi-annual	Keep sampling as background comparison
MPL27	plume edge	3,582,529.26N 363,980.90 E	4,065.84 ft	285 ft	252-282	interface	***Discontinue***	Use MPL12 for side-gradient plume edge well.
MPL28	center plume	3,582,005.69 N 365,494.85 E	3,988.12 ft	200 ft	175-195	interface	semi-annual	New well 2005
MPL29	plume edge	3,581,623.66 N 364,894.41 E	4,021.02 ft	225 ft	200-220	interface	semi-annual	New well 2005
MPL30	plume edge	3,581,247.14 N 365,194.09 E	4,002.18 ft	220 ft	195-215	interface	semi-annual	New well 2005
SMW01	up gradient	3,582,159.68N 363,686.86 E	4,082.98 ft	286 ft	263-293	mid-level	semi-annual	Continue
SMW02	plume edge	3,582,002.22N 363,829.34 E	4,082.98 ft	290 ft	253-283	interface	***Discontinue***	Use SMW04 for interface well in the area of STP.
SMW03	plume edge	3,582,213.02N 363,867.93 E	4,073.47 ft	277 ft	250-280	interface	***Discontinue***	Use SMW04 for interface well in the area of STP.
SMW04	plume edge	3,582,108.19N 363,929.76 E	4,068.53 ft	278.5 ft	254-284	interface	semi-annual	Continue
T11	up gradient	3,582,205.51N 363,560.95 E	4,091.01 t	780 ft	309-763	Deep-level	***Discontinue***	No CN history. Use SMW01 for mid-level, up-gradient well in that area. Recommend plugging and abandonment if plume spreads to MPL26.
T29	center plume	3,582,558.37N 364,772.76 E	4,017.24 ft	300 ft	210-255	interface	***Discontinue***	Similar CN history as MPL01. Consider for plugging and abandonment.
T34	center plume	3,582,012.51N 365,106.26 E	4006.03 ft	400 ft	200-380	mid-level	***Discontinue***	Redundant mid-level (180' screened interval) well with T-37. Similar CN trend as T-37.
T35	center plume	3,582,266.00N 364,714.32 E	4,024.94 ft	300 ft	200-300	mid-level	***Discontinue***	Redundant mid-level long-screen interval well with T-37. Similar CN trend as T-37.
T37	center plume	3,582,147.34N 364,628.58 E	4028.53 ft	313 ft	202-302	mid-level	***Discontinue***	Well with 100 ft. Screen (200 to 300ft. bgl)
T40	down gradient	3,581,067.92 N 367,975.21 E	3926.58 ft	140 ft	115-135	interface	Annual	[Existing RCRA-compliant] Sentinel well added down-gradient

1 Center plume wells within area of plume above 0.2 mg/L total cyanide. Plume wells are those consistently within the defined plume, but outside of the 0.2 mg/L isopleth. Plume edge wells are those wells located on or near the 0.0 mg/L total cyanide isopleth.

Bold italics indicate subsequent changes to the program

Underscores indicate wells included in the current program.

* All wells are 4" diameter PVC.

The site geology in the vicinity of the contaminant plume is characterized by alluvial fan sediments originating along the eastern flank of the Organ Mountains. The alternating horizons of sands, silts and clays observed in borings were considered the distal portion of the alluvial fan. Deposits of unconsolidated or lightly-consolidated fan deposits were observed to become finer-grained with increasing depth below surface, and with increasing distance away from the mountain front.

12.1 Scope of Services

This is a continuation of the ongoing groundwater monitoring program at the former STP Percolation Ditches. The monitor wells associated with SWMU 82 are on a nominal semi-annual sampling schedule. The first event, originally scheduled for November-December 2006, delayed due to the HELSTF Phase III RFI, was conducted from 8 February to 23 March 2007; the second sampling event was conducted from 6 June to 23 July 2007; and a third sampling event was initiated on 17 December 2007 and completed on 31 January 2008.

For all events, low-flow sampling techniques were employed. The pumping rate was generally set at 250 mL/min and the sample collected when temperature and conductivity stabilized. WSMR purged the wells with a portable QED bladder pump. During purging, WSMR used a YSI 556 MPS water quality meter with flow cell to record groundwater field conditions. A portable Orion AQ4500 turbidimeter provided turbidity measurements. Field parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation/reduction potential) were allowed to stabilize prior to collection of the sample.

As requested by the Hazardous Waste Bureau (NMED 2006d and 2006e), the suite of dissolved metals has been changed to incorporate the Appendix IX (40CFR264) metals list. Additionally, volatile organics by Method 8260 were added for both events If no volatiles are detected, they may be deleted from subsequent events. Table 24 lists the analytical constituents and methods relating to the groundwater sample analysis.

12.2 Regulatory Criteria

Cyanide is the only COC associated with this site. A petition for adoption of Monitored Natural Attenuation (MNA) as the preferred remedy (BAE Systems 2004a) is pending with NMED HWB. Discussions are ongoing. The draft Hazardous Waste Permit (currently being reviewed) calls for a Closure Plan to be prepared for the site.

A Monitoring Plan (WTS 2007d) is currently under review by NMED. This plan describes the content of the future monitoring program.

12.3 Groundwater Monitoring Results

In addition to the sampling program specified for the STP Percolation Ditches, analytical results from the co-located Main Post Landfill groundwater monitoring program are presented. These consist of the total metals results for wells MPL01 through 04.

12.3.1 Sampling Procedures

This is a continuation of the ongoing groundwater monitoring program at the former STP Percolation Ditches. The analytical schedule for this site is shown on Table 27. During 2004, WSMR elected to initiate a low-flow sampling regime for this and other groundwater monitoring programs.

All events utilized low-flow techniques with specialized low-flow pumps. The sample was collected when temperature and conductivity stabilized. The parameters recorded at the time of sampling for each of the wells are shown in Appendix C.

12.3.2 Analytical Results

The analytes detected are shown in Appendix C. The associated laboratory reports are also provided in Appendix F. The concentrations observed are compared to NMWQCC standards. Concentrations above those standards are **bolded.** The data shown are consistent with previous events.

Cyanide is the only contaminant of concern related to site activities. A recent letter report (WTS 2005b) demonstrates that total cyanide concentrations are trending downward in general. Even with a noisy (highly variable) record and a relatively limited period of observation, the data show that natural attenuation is occurring at the former STP percolation ditches site. Significant improvements in water quality should be apparent well within the 30-year time frame identified in the previous document (BAE Systems 2004a).

TABLE 27. FORMER SEWAGE TREATMENT PLANT PERCOLATION DITCHES ANALYTICAL SCHEDULE

PARAMETER	REFERENCE METHOD	METHOD TYPE
FIELD PARAMETERS		
pH	SM 4500-H^+ B	Field Probe
Conductivity	SM 2510 B	
Turbidity	SM 2130 B	
Dissolved Oxygen	SM 4500-O G	
Temperature	SM 2550 B	
Oxidation Reduction Potential	SM 2580 B	
ORGANICS		
VOCS (discontinued after June 2007)	SW846-8260B	GC/MS
CYANIDE		
Total and amenable	SW846-9010B	Distillation/colorimetric
Free cyanide	ASTM D4282	Colorimetric
OTHER ANALYSIS		
Dissolved ions		
Chloride Fluoride Sulfate	EPA 300.0	Ion chromatography
Nutrients		
Ammonia (nh_3+nh_4) Nitrate/nitrite (no_3+$no_{2)}$	EPA 350.1 SM 4500	Colorimetric Cd column
Water quality		
pH Specific conductance Residue, dissolved (TDS) Bicarbonate & carbonate (alkalinity)	EPA 150.1 EPA 120.1 EPA 160.1 EPA 310.1	Electrometric Conductivity meter Gravimetric Titrimetric
DISSOLVED METALS		
Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Tin, Vanadium, Zinc	SW846 6010A	Inductively coupled Plasma emission Spectroscopy
Mercury (total)	SW846 7470A	Atomic absorption Cold Vapor

A comparison of total cyanide values contoured from data gathered in 2000 versus data gathered in 2007 is shown in Figure 18. Two conditions are apparent in the figure: the total area impacted by cyanide contamination shows little change, reflecting the negligible groundwater groundwater movement taking place; and the portions of the site impacted by higher concentrations is much smaller in 2007, reflecting the ongoing effects of intrinsic remediation.

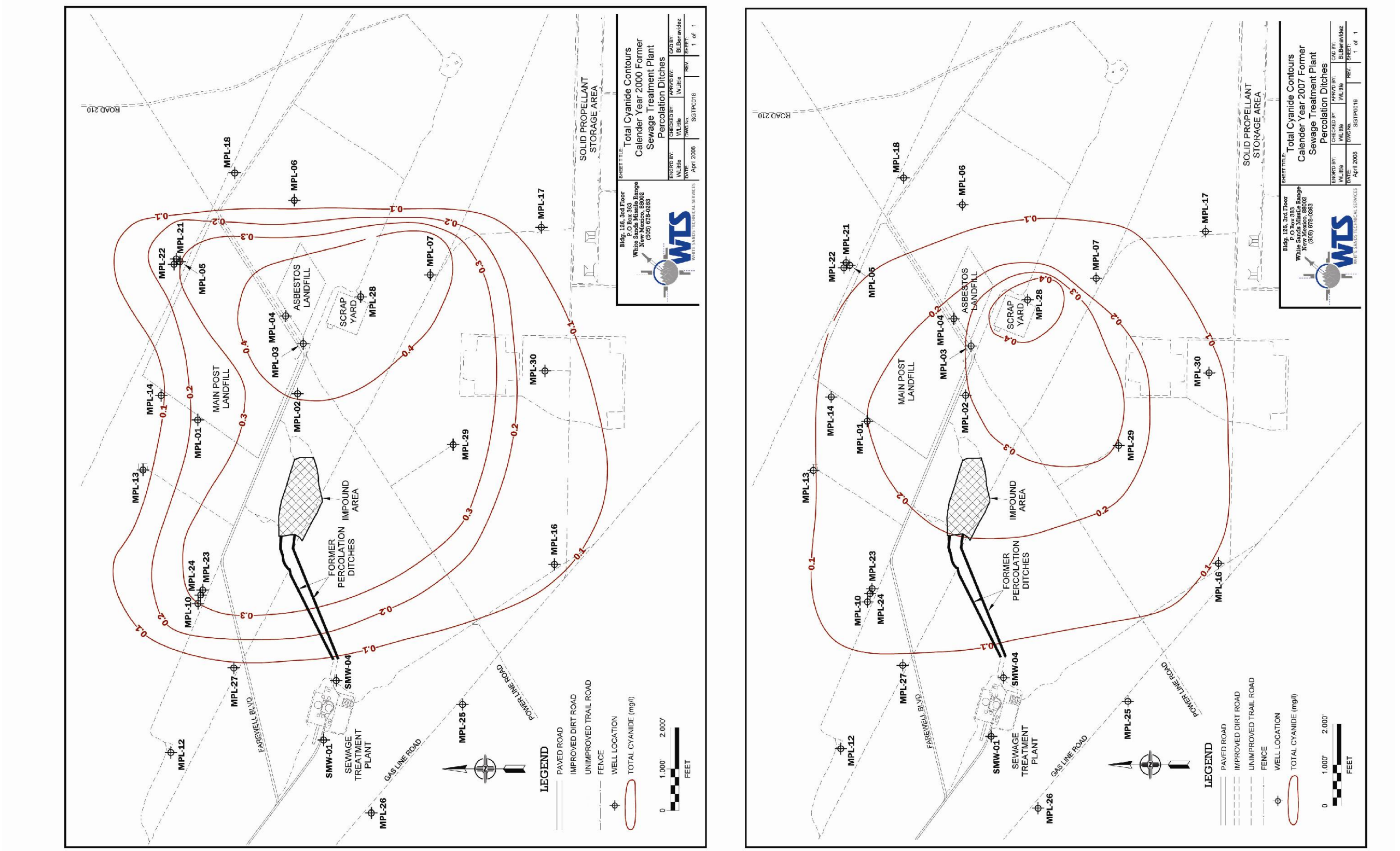

FIGURE 18. COMPARISON OF CYANIDE OCCURRENCE, 2000 AND 2007.

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Analysis for Appendix IX Metals

As requested, WSMR incorporated all the Appendix IX metals into the analytical program for 2007 and following years. Of these, antimony, beryllium, thallium, tin, and vanadium are new to the program:

- Thallium and tin were everywhere below their respective detection limits for all events.

- Antimony was everywhere below its detection limit (0.0116 mg/L) for the February-March 2007 event. For the June-July 2007 event, antimony was detected above the NMED (2006a) Tap Water Screening Level (0.0146 mg/L) in wells MPL02 and 03. Antimony is not regulated by the New Mexico Water Quality Control Commission under 20 NMAC 6.2.3103. It is mentioned under the [superseded] solid waste regulations, 20 NMAC 9.1.1100, with a practical quantitation limit (PQL) of 0.003 mg/L and a standard of 0.006 mg/L. For the December 2007-January 2008 event, antimony was everywhere below its detection limit.

- During the first event, vanadium was detected in 15 of 26 samples at levels ranging from 0.005 to 0.012 mg/L. Vanadium is not regulated by the New Mexico Water Quality Control Commission under 20 NMAC 6.2.3103. It is mentioned under the solid waste regulations, 20 NMAC 9.1.1100, with a practical quantitation limit (PQL) of 0.08 mg/L, but no standard. The current (NMED 2006b) Soil Screening Level document offers a screening level for tap water of 36.5 µg/L (0.0365 mg/L). During the second event, vanadium was everywhere below its detection limit of 0.0015 mg/L. Since all observations are below the published PQL and the tap water screening level, occurrence of this element is of no apparent concern.

- Beryllium was detected in one well, T40, at a concentration of 0.004 mg/L for the first event; everywhere "not detected" in the second; and detected at 0.002 and 0.004 mg/L in Monitor Wells MPL28 and MPL29, respectively, in the December 2007-January 2008 event. Beryllium is not regulated by the New Mexico Water Quality Control Commission under 20 NMAC 6.2.3103. It is mentioned under the [superseded] solid waste regulations, 20 NMAC 9.1.1100, with a standard of 0.004 mg/L.

  T40 was added to the program as a downgradient sentinel well, one that is likely outside the current zone of influence of the site. Since there has been only one detection of beryllium in this well, WSMR will await the results of subsequent sampling events to confirm or refute the presence of beryllium in the groundwater.

  The occurrence of beryllium in wells MPL28 and MPL29 constitute the first detection in either well. WSMR will await the results of subsequent sampling events to confirm or refute the presence of beryllium in the groundwater.

Analysis for Volatile Organic Compounds

As requested, WSMR analyzed all samples for the February-March and June-July 2007 events by EPA Method SW846 8260 (Volatile Organic Compounds, VOCs, by GC-MS). No analytes were detected in either event. Complete laboratory reports are provided on the accompanying data CD (Appendix F). As previously agreed, WSMR is dropping VOC analyses from subsequent sampling events.

Other Analytes

- Samples from monitor well MPL07 display nitrate plus nitrite (as N) concentrations of 10.3 to 10.7 mg/L for the February and June 2007 events, respectively, slightly above the standard of 10.0 mg/L. These observations are consistent with the analytical history. The December 2008 sample (diluted 50:1) displayed a concentration of <5.0 mg/L.

- The June 2007 sample from monitor well MPL04 displayed a nitrate plus nitrite concentration of 10.3 mg/L. However, the January 2008 sample concentration was 8.61 mg/L. These observations are consistent with the analytical history. Nitrate concentrations have ranged in

general from 8 to 11 mg/L, but only occasionally above the standard. WSMR will continue to observe nitrate plus nitrite concentrations to determine if a trend exists.

- For the December 2007-January 2008 event, samples from monitor wells MPL13 and MPL16 display anomalously high fluoride concentrations. WSMR will continue to observe fluoride concentrations to determine if a trend exists.

- Samples from monitor well MPL26 display total dissolved solids concentrations in the 1100 mg/L range, above the standard of 1,000 mg/L. These observations are consistent with the analytical history.

12.4 Remediation System Monitoring and Additional Site Activities

None. Intrinsic remediation (natural attenuation) is occurring.

12.5 Summary

Ongoing groundwater monitoring shows little change in conditions. Cyanide remains the only contaminant of concern. Groundwater conditions at this site will be evaluated as part of the ongoing consideration of Monitored Natural Attenuation (MNA). WSMR continues to offer MNA as the remedy of choice. The pending Monitoring Plan describes the program going forward.

13.0 NORTH OSCURA PEAK LANDFILL (SWMUs 47, 48, & 49) (WSMR-71)

The landfill at North Oscura Peak consisted of three landfill cells designated as SWMUs 47, 48, and 49. Disposal activities took place from 1960 to 1989. The site was remediated according to the CMI Work Plan (MEVATEC 1999) in late 2001 and 2002. Remediation activities are detailed in the *Voluntary CMI Report for the North Oscura Peak Landfill* (BAE Systems 2004b). WSMR removed approximately 2,680 cubic yards of solid waste and disposed it at the Rio Rancho Landfill north of Albuquerque, NM. Confirmation samples taken from the excavated landfill revealed minor amounts of residual contamination. The human health and ecological risk assessment concluded the remaining contamination did not pose an unacceptable risk (BAE Systems 2004b).

13.1 Scope of Services

No monitoring activities associated with this site occurred in 2006. Revegetation was evaluated during a site visit in October 2006. This event is discussed below.

13.2 Regulatory Criteria

This site is proposed for a Petition for No Further Action and Class III Permit Modification.

13.3 Groundwater Monitoring Results

No groundwater monitor wells are associated with this site. The Oscura Mountains lack significant groundwater and it is unknown whether any groundwater source exists below the site (BAE Systems 2004b).

13.4 Remediation System Monitoring and Additional Site Activities

Following remediation efforts at WSMR-71, silt fencing was installed to limit surface soil erosion. No other efforts were made to promote vegetation growth on the bare soil. The WSMR land manager, Dr. David Lee Anderson, surveyed the vegetative recovery at the site in October 2006 and September 2007, four and five years after remediation efforts were complete. The full text of Anderson's 2007 report is included in Appendix D. He found roughly 50 percent vegetative cover at the site during both surveys.

13.5 Summary

Remediation efforts at WSMR-71 are complete and native vegetation at the site is recovering well. WSMR will continue to monitor the site on a periodic basis for erosion and will submit a Petition for No Further Action and Class III Permit Modification.

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APPENDIX A
Field Methods

The following WTS Standard Operating Procedures were used to guide the field programs described herein.

SOP 1	• Quality Control Program
SOP 1.0	- Procedure Information
SOP 1.1	- Chain of Custody
SOP 1.2	- Field Activity Documentation
SOP 2	• Sample Handling, Packing, and Shipping
SOP 2.0	- Procedure Information
SOP 2.1	- Sample Labeling
SOP 2.2	- Sample Numbering
SOP 2.3	- On-Site Sample Storage
SOP 4	• Calibration and Maintenance of Measuring and Test Equipment
SOP 4.0	- Procedure Information
SOP 4.1	- Field Instrument
SOP 5	• Water Level Measurements in Monitoring Wells
SOP 5.0	- Procedure Information
SOP 5.1	- Nonaqueous Phase Liquid Measurements in Monitoring Wells
SOP 6	• Field Equipment Decontamination
SOP 6.0	- Procedure Information
SOP 6.1	- Drilling, Development, and Heavy Equipment Decontamination
SOP 9	• Groundwater Sampling
SOP 9.0	- Procedure Information
SOP 9.1	- Cone Penetration Testing and Hydropunch Groundwater Sampling
SOP 9.2	- Surface Water Sampling
SOP 9.3	- Low-Flow Ground Water Sampling
SOP 13.0	• Field Quality Control Sampling
SOP 14.0	• Management of Investigation-Derived Waste
SOP 15.0	• Preparation, Revision, and Approval of Plans and Procedures
SOP 16.0	• Quality Inspections and Inspection Records

APPENDIX B
Chemical Analytical Program

Chemical Analytical Program

Purpose

White Sands Technical Services, LLC (WTS) follows standard practices from guidance promulgated by the US Environmental Protection Agency (EPA), the New Mexico Environmental Department, ASTM International , and others to ensure that data collected for decision making purposes is of appropriate quality and quantity to provide decision makers with sufficient environmental data. WTS uses the following general procedure when performing environmental investigations:

- determine appropriate Data Quality Objectives ,
- coordinate planned sampling within regulatory timeframes and White Sands Missile Range (WSMR) testing activities,
- collect environmental samples following accepted procedures,
- evaluate analytical data, and
- report the results to WSMR decision makers and appropriate regulatory bodies.

Analytical Laboratories

In order to meet the accepted analytical instrumentation and techniques including Quality Assurance/Quality Control (QA/QC) practices as described in EPA's SW-846, WTS utilizes laboratories which have attained certification through organizations such as the National Environmental Laboratory Accreditation Program or equivalent.

Data Validation

Upon receipt of analytical results, the WTS supervising engineer or scientist evaluates the data for completeness and applicability based on holding times, method and field blanks, comparison of field duplicates, trip blanks, matrix spike/matrix spike duplicate, and other laboratory QA results. If duplicates display an acceptable degree of agreement the results are averaged and the mean value reported. If the analytical data does not demonstrate an acceptable degree of quality and usefulness, the laboratory will be contacted to help determine the cause of any flaw and an appropriate response. Data quality consists of accuracy, precision, completeness, representativeness, and comparability.

References

Although not a complete list, the following documents provide applicable guidance regarding environmental sampling and analysis performed by WTS:

Data Quality Objectives

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APPENDIX C
Analytical Results

Appendix C Data Tables

Tables

1. HELSTF Site – August 2007
    a. Field Data
    b. Storage Yard Chromate Spill Analytical Data
    c. Construction Landfill Analytical Data
    d. Diesel Spill Analytical Data
2. Former STP Percolation Ditches
    a. February-March 2007
        i. Field Data
        ii. Analytical Data
    b. June-July 2007
        i. Field Data
        ii. Analytical Data
    c. December 2007 – January 2008
        i. Field Data
        ii. Analytical Data

HELSTF Field Observations
September - October 2007

Date	Time	Sample ID	Well Name	Depth to Groundwater (feet BGS)	Well Elevation	Elevation of Groundwater	Water Body	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	pH	Temperature (°C)	Turb (NTU)
HELSTF Diesel Spill Site													
10/3/2007	1415	HLSF-0154-DRW-004-1007	DRW04	40.37	3956.80	3916.43	LP	9.97	0.32	101.8	7.11	25.29	1.67
9/27/2007	1340	HLSF-0154-DRW-005-0907	DRW05	42.03	3955.61	3913.58	LP	9.963	0.39	11.4	7.23	24.07	1.27
10/1/2007	1040	HLSF-0154-DRW-006-1007	DRW06	43.38	3956.34	3912.96	LP	13.31	3	105.1	6.89	23.17	1.4
9/26/2007	1345	HLSF-0154-DRW-008-0907	DRW08	43.03	3956.37	3913.34	LP	12.49	0.24	58.6	7.37	23.19	60.1
9/26/2007	1025	HLSF-0154-DRW-012-0907	DRW12	42.81	3956.52	3913.71	LP	28.29	0.76	60.6	7.58	22.73	44
10/3/2007	1005	HLSF-0154-DRW-016-1007	DRW16	67.75	3955.36	3887.61	R	13.19	2.08	92.9	7.12	22.22	332
9/27/2007	950	HLSF-0154-DRW-017-0907	DRW17	69.86	3955.69	3885.83	R	12.86	0.6	71.8	7.6	21.13	0.19
10/4/2007	1415	HLSF-0154-HCF-002-1007	HCF02	33.04	3956.18	3923.14	LP	10.09	0.31	86.1	6.39	27.43	0.88
10/8/2007	1405	HLSF-0154-HCF-003-1007	HCF03	38.15	3955.84	3917.69	LP	4.168	0.09	-322	6.84	24.62	6.31
10/8/2007	1040	HLSF-0154-HCF-004-1007	HCF04	43.44	3957.13	3913.69	LP	7.841	0.45	97.6	6.88	22.97	0.42
10/5/2007	950	HLSF-0154-HCF-006-1007	HCF06	43.05	3956.76	3913.71	LP	7.801	0.06	-255.1	6.61	24.04	3.9
10/2/2007	1250	HLSF-0154-HMW-054-1007	HMW54	70.85	3956.26	3885.41	R	12.6	3.19	97.8	7.16	22.98	4.21
10/1/2007	1340	HLSF-0154-HMW-055-1007	HMW55	68.31	3956.16	3887.85	R	15.6	3.06	123.4	7.23	23.45	1.39
HELSTF Chromate Spill Site													
9/20/2007	1243	HLSF-0143-DRW-010-0907	DRW10	37.26	3953.65	3916.39	LP	50.52	0.72	63.4	7.78	21.86	144
9/24/2007	1024	HLSF-0143-DRW-014-0907	DRW14	68.89	3953.11	3884.22	R	19.79	3.43	81.1	7.28	21.34	738
9/24/2007	1300	HLSF-0143-HMW-013-0907	HMW13	40.02	3956.61	3916.59	LP	6.354	ND	102	7.39	22.74	3.04
9/12/2007	1215	HLSF-0143-HMW-036-0907	HMW36	16.38	3955.33	3938.95	UP	4.939	ND	54.9	7.59	21.6	0.44
9/11/2007	1430	HLSF-0143-HMW-038-0907	HMW38	42.39	3955.97	3913.58	LP	11.53	2.99	61.5	7.43	21.86	1.15
9/12/2007	1325	HLSF-0143-HMW-039-0907	HMW39	41.84	3954.80	3912.96	LP	14.68	5.42	64.5	7.52	22.38	0.56
9/11/2007	1238	HLSF-0143-HMW-040-0907	HMW40	19.16	3953.46	3934.3	UP	19.61	1.26	56.3	7.54	21.83	0.37
9/11/2007	1015	HLSF-0143-HMW-041-0907	HMW41	40.56	3953.44	3912.88	LP	19.93	5.93	62.8	7.31	20.56	0.52
9/18/2007	1250	HLSF-0143-HMW-043-0907	HMW43	40.16	3956.42	3916.26	LP	7.068	2.48	63.8	7.37	25.06	0.85
9/17/2007	1200	HLSF-0143-HMW-053-0907	HMW53	23.51	3954.12	3930.61	LP	44.48	4.27	69.6	7.29	23.08	0.7
HELSTF Construction Landfill													
8/24/2007	1225	HLSF-3839-HMW-032-0807	HMW32	70.82	3954.99	3884.17	R	11.89	2.16	56.2	7.52	23.77	0.95
8/27/2007	1402	HLSF-3839-HMW-033-0807	HMW33	39.33	3953.04	3913.71	LP	29.6	6.07	64.6	7.45	22.81	0.15
8/23/2007	1200	HLSF-3839-HMW-034-0807	HMW34	72.61	3955.44	3882.83	R	11.27	2.58	61.8	7.38	22.41	1.03
8/27/2007	1030	HLSF-3839-HMW-059-0807	HMW59	71.03	3953.97	3882.94	R	11.57	0.21	54.3	7.57	20.97	3.8
9/4/2007	1300	HLSF-0143-HMW-065-0907	HMW65	70.43	3956.31	3885.88	R	13	1.11	54.1	7.33	22.06	2.49

Analytical Results for HELSTF Storage Yard Chromate Spill
September 2007

Field_Sample_Id	Collected	Well_Name	Analyte_Name	Detection_Limit	Reporting_Limit	Result	Units	Background**	Standard
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	1,1-Dichloroethane	0.324	1	1.04	ug/L	—	25
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	1,1-Dichloroethene	0.326	1	**11.8**	ug/L	—	5
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	1,1-Dichloroethene	0.326	1	1.34	ug/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	1,1-Dichloroethene	0.326	1	3.98	ug/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	1-Methylnaphthalene	0.002049	0.005	**0.037**	mg/L	—	0.03
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	2-Methylnaphthalene	0.002058	0.005	**0.0708**	mg/L	—	0.03
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Bicarbonate Alkalinity	5	5	178	mg/L as CaCo3	214	—
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Bicarbonate Alkalinity	5	5	232	mg/L as CaCo3		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Bicarbonate Alkalinity	5	5	144	mg/L as CaCo3		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Bicarbonate Alkalinity	5	5	180	mg/L as CaCo3		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Bicarbonate Alkalinity	5	5	172	mg/L as CaCo3		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Bicarbonate Alkalinity	5	5	169	mg/L as CaCo3		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Bicarbonate Alkalinity	5	5	138	mg/L as CaCo3		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Bicarbonate Alkalinity	5	5	212	mg/L as CaCo3		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Bicarbonate Alkalinity	5	5	156	mg/L as CaCo3		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Bicarbonate Alkalinity	5	5	187	mg/L as CaCo3		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Bromide	0.0299	0.2	8.22	mg/L	195	—
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Bromide	0.0299	0.2	3.57	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Bromide	0.0299	0.2	1.07	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Bromide	0.0299	0.2	1.26	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Bromide	0.0299	0.2	1.7	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Bromide	0.0299	0.2	1.64	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Bromide	0.0299	0.2	0.52	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Bromide	0.0299	0.2	7.3	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Chloride	0.035	2	**14400**	mg/L	2220	250
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Chloride	0.035	2	**4180**	mg/L		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Chloride	0.035	2	**464**	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Chloride	0.035	2	94	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Chloride	0.035	2	**1210**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Chloride	0.035	2	**1650**	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Chloride	0.035	2	**3170**	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Chloride	0.035	2	**3090**	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Chloride	0.035	2	**422**	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Chloride	0.035	2	**11800**	mg/L		
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Chloroform	0.345	1	1.8	ug/L	—	100
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Chloroform	0.345	1	1.37	ug/L		
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Fluoride	0.0168	0.2	**1.96**	mg/L	2.04	1.6
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Fluoride	0.0168	0.2	**3.9**	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Fluoride	0.0168	0.2	**5.64**	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Fluoride	0.0168	0.2	**2.77**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Fluoride	0.0168	0.2	**3.32**	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Fluoride	0.0168	0.2	**4.69**	mg/L		

Analytical Results for HELSTF Storage Yard Chromate Spill
September 2007

Field_Sample_Id	Collected	Well_Name	Analyte_Name	Detection_Limit	Reporting_Limit	Result	Units	Background**	Standard
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Fluoride	0.0168	0.2	**2.68**	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Fluoride	0.0168	0.2	**4.02**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	GRO	0.010366	0.1	0.154	mg/L	139 is nd	—
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Naphthalene	0.001871	0.005	**0.0862**	mg/L	—	0.03
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Naphthalene	0.001871	0.005	0.00934	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Nitrate and Nitrite as N	0.0223	0.1	**120**	mg/L	82.5	10
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Nitrate and Nitrite as N	0.0223	0.1	**66.7**	mg/L		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Nitrate and Nitrite as N	0.0223	0.1	**50.9**	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Nitrate and Nitrite as N	0.0223	0.1	**18.7**	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Nitrate and Nitrite as N	0.0223	0.1	**61.8**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Nitrate and Nitrite as N	0.0223	0.1	**51.3**	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Nitrate and Nitrite as N	0.0223	0.1	9.98	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Nitrate and Nitrite as N	0.0223	0.1	**314**	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	pH			7.75	s.u.	7.48	6 — 9
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	pH			7.45	s.u.		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	pH			7.31	s.u.		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	pH			7.39	s.u.		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	pH			7.59	s.u.		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	pH			7.54	s.u.		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	pH			7.7	s.u.		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	pH			7.55	s.u.		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	pH			7.48	s.u.		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	pH			7.32	s.u.		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Specific Conductance			53100	uMHOS/cm	14725	—
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Specific Conductance			21200	uMHOS/cm		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Specific Conductance			7350	uMHOS/cm		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Specific Conductance			5340	uMHOS/cm		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Specific Conductance			11900	uMHOS/cm		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Specific Conductance			15600	uMHOS/cm		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Specific Conductance			21300	uMHOS/cm		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Specific Conductance			21000	uMHOS/cm		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Specific Conductance			7420	uMHOS/cm		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Specific Conductance			46800	uMHOS/cm		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Sulfate	0.0238	1	**16700**	mg/L	7295	600
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Sulfate	0.0238	1	**7770**	mg/L		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Sulfate	0.0238	1	**4130**	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Sulfate	0.0238	1	**3460**	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Sulfate	0.0238	1	**5280**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Sulfate	0.0238	1	**6995**	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Sulfate	0.0238	1	**8660**	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Sulfate	0.0238	1	**9250**	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Sulfate	0.0238	1	**4490**	mg/L		

Analytical Results for HELSTF Storage Yard Chromate Spill
September 2007

Field_Sample_Id	Collected	Well_Name	Analyte_Name	Detection_Limit	Reporting_Limit	Result	Units	Background**	Standard
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Sulfate	0.0238	1	**17100**	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Alkalinity	3.36	5	178	mg/L as CaCo3	214	—
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Alkalinity	3.36	5	232	mg/L as CaCo3		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Total Alkalinity	3.36	5	144	mg/L as CaCo3		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Total Alkalinity	3.36	5	180	mg/L as CaCo3		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Alkalinity	3.36	5	172	mg/L as CaCo3		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Alkalinity	3.36	5	169	mg/L as CaCo3		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Total Alkalinity	3.36	5	138	mg/L as CaCo3		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Alkalinity	3.36	5	212	mg/L as CaCo3		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Total Alkalinity	3.36	5	156	mg/L as CaCo3		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Total Alkalinity	3.36	5	187	mg/L as CaCo3		
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Antimony	0.0166	0.05	0.113	mg/L	—	—
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Arsenic	0.0043	0.005	0.035	mg/L	< 0.01	0.1
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Barium	0.0017	0.01	0.01	mg/L	< 0.01	1
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Total Barium	0.0017	0.01	0.034	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Barium	0.0017	0.01	0.011	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Total Barium	0.0017	0.01	0.012	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Barium	0.0017	0.01	0.011	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Total Barium	0.0017	0.01	0.01	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Total Barium	0.0017	0.01	0.011	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Chromium	0.0009	0.005	**0.866**	mg/L	0.6	0.05
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Chromium	0.0009	0.005	**4.73**	mg/L		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Total Chromium	0.0009	0.005	0.013	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Chromium	0.0009	0.005	**0.053**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Chromium	0.0009	0.005	**0.158**	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Chromium	0.0009	0.005	**0.635**	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Copper	0.0014	0.005	0.07	mg/L	< 0.005	1
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Copper	0.0014	0.005	0.023	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Copper	0.0014	0.005	0.007	mg/L	139 is nd	
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Dissolved Solids	5	5	**51100**	mg/L	15650	1000
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Dissolved Solids	5	5	**17600**	mg/L		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Total Dissolved Solids	5	5	**6960**	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Total Dissolved Solids	5	5	**5610**	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Dissolved Solids	5	5	**10800**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Dissolved Solids	5	5	**14000**	mg/L		
HLSF-0143-HMW-139-0907	9/12/2007	HMW39	Total Dissolved Solids	5	5	**14100**	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Total Dissolved Solids	5	5	**18800**	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Dissolved Solids	5	5	**18200**	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Total Dissolved Solids	5	5	**7230**	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Total Dissolved Solids	5	5	**45900**	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Mercury	0.0000336	0.0002	0.00022	mg/L	< 0.0002	0.002
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Nickel	0.0019	0.005	**0.366**	mg/L	—	0.2

Analytical Results for HELSTF Storage Yard Chromate Spill
September 2007

Field_Sample_Id	Collected	Well_Name	Analyte_Name	Detection_Limit	Reporting_Limit	Result	Units	Background**	Standard
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Nickel	0.0019	0.005	0.106	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Organic Carbon	0.3825	1	5.9	mg/L	—	—
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Organic Carbon	0.3825	1	2.62	mg/L		
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Total Organic Carbon	0.3825	1	1.75	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Total Organic Carbon	0.3825	1	2.75	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Organic Carbon	0.3825	1	1.93	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Organic Carbon	0.3825	1	2.05	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Total Organic Carbon	0.3825	1	2.4	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Organic Carbon	0.3825	1	2.44	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Total Organic Carbon	0.3825	1	1.88	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Total Organic Carbon	0.3825	1	9.4	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Selenium	0.0131	0.02	**0.247**	mg/L	0.076	0.05
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Selenium	0.0131	0.02	**0.111**	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Selenium	0.0131	0.02	**0.06**	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Selenium	0.0131	0.02	0.048	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Total Selenium	0.0131	0.02	**0.113**	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Selenium	0.0131	0.02	**0.108**	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Total Selenium	0.0131	0.02	**0.295**	mg/L		
HLSF-0143-DRW-010-0907	9/20/2007	DRW10	Total Vanadium	0.0015	0.005	0.005	mg/L		
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Total Vanadium	0.0015	0.005	**0.038**	mg/L	—	.036***
HLSF-0143-HMW-013-0907	9/24/2007	HMW13	Total Vanadium	0.0015	0.005	0.015	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Total Vanadium	0.0015	0.005	0.028	mg/L		
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Total Vanadium	0.0015	0.005	0.029	mg/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Vanadium	0.0015	0.005	0.034	mg/L		
HLSF-0143-HMW-040-0907	9/11/2007	HMW40	Total Vanadium	0.0015	0.005	0.006	mg/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Total Vanadium	0.0015	0.005	0.019	mg/L		
HLSF-0143-HMW-043-0907	9/18/2007	HMW43	Total Vanadium	0.0015	0.005	0.02	mg/L		
HLSF-0143-HMW-053-0907*	9/17/2007	HMW53	Total Vanadium	0.0015	0.005	0.008	mg/L		
HLSF-0143-HMW-036-0907	9/12/2007	HMW36	Total Zinc	0.0071	0.01	0.018	mg/L	0.024	10
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Total Zinc	0.0071	0.01	0.014	mg/L		
HLSF-0143-DRW-014-0907	9/24/2007	DRW14	Trichloroethene (TCE)	0.434	1	**144**	ug/L	—	100
HLSF-0143-HMW-038-0907	9/11/2007	HMW38	Trichloroethene (TCE)	0.434	1	11.8	ug/L		
HLSF-0143-HMW-039-0907*	9/12/2007	HMW39	Trichloroethene (TCE)	0.434	1	44.6	ug/L		
HLSF-0143-HMW-041-0907	9/11/2007	HMW41	Trichloroethene (TCE)	0.434	1	**141**	ug/L		

* Mean of duplicate analyses
** From Phase III RFI Report
*** NM SSL for tap water (non-cancer)

Analytical Results for HELSTF Construction Landfill
August 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	1,1-Dichloroethene	0.326	1	4.28	ug/L	—	5.0
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Bicarbonate Alkalinity	5	5	86	mg/L as CaCo3	214.0	—
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Bicarbonate Alkalinity	5	5	178	mg/L as CaCo3		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Bicarbonate Alkalinity	5	5	178	mg/L as CaCo3		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Bicarbonate Alkalinity	5	5	198	mg/L as CaCo3		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Bromide	0.0299	0.2	0.61	mg/L	195.0	—
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Bromide	0.0299	0.2	3.98	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Chloride	0.035	2	**1170**	mg/L	2220.0	250.0
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Chloride	0.035	2	**5810**	mg/L		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Chloride	0.035	2	**813**	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Chloride	0.035	2	**897**	mg/L		
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Chloroform	0.345	1	1.34	ug/L	—	100.0
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Fluoride	0.0168	0.2	4.04	mg/L	4.04	1.6
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Fluoride	0.0168	0.2	1.27	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Fluoride	0.0168	0.2	1.48	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Nitrate and Nitrite as N	0.0223	0.1	**29.8**	mg/L	82.5	10.0
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Nitrate and Nitrite as N	0.0223	0.1	**103**	mg/L		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Nitrate and Nitrite as N	0.0223	0.1	**14.7**	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Nitrate and Nitrite as N	0.0223	0.1	**16.4**	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	pH			7.62	s.u.	7.48	6 -- 9
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	pH			7.44	s.u.		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	pH			7.55	s.u.		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	pH			7.52	s.u.		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Specific Conductance			12500	uMHOS/cm	14725.0	—
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Specific Conductance			30600	uMHOS/cm		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Specific Conductance			12200	uMHOS/cm		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Specific Conductance			12300	uMHOS/cm		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Sulfate	0.0238	1	**5950**	mg/L	7295.0	600.0
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Sulfate	0.0238	1	**12550**	mg/L		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Sulfate	0.0238	1	**6410**	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Sulfate	0.0238	1	**6190**	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Total Alkalinity	3.36	5	86	mg/L as CaCo3	214.0	—
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Total Alkalinity	3.36	5	178	mg/L as CaCo3		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Total Alkalinity	3.36	5	178	mg/L as CaCo3		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Total Alkalinity	3.36	5	198	mg/L as CaCo3		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Total Barium	0.0017	0.01	0.015	mg/L	<0.01	1.0
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Total Barium	0.0017	0.01	0.017	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Total Barium	0.0017	0.01	0.011	mg/L		

Analytical Results for HELSTF Construction Landfill
August 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Total Chromium	0.0009	0.005	0.018	mg/L	0.6	0.05
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Total Chromium	0.0009	0.005	0.666	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Total Dissolved Solids	5	5	**11400**	mg/L	15650.0	1000.0
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Total Dissolved Solids	5	5	**31500**	mg/L		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Total Dissolved Solids	5	5	**12300**	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Total Dissolved Solids	5	5	**11100**	mg/L		
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Total Organic Carbon	0.3825	1	5.42	mg/L	2.5	—
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Total Organic Carbon	0.3825	1	1.58	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Total Organic Carbon	0.3825	1	1.23	mg/L		
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Total Selenium	0.0131	0.02	**0.488**	mg/L	0.076	0.05
HLSF-3839-HMW-133-0807	8/27/2007	HMW33	Total Selenium	0.0131	0.02	**0.486**	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Total Vanadium	0.0015	0.005	0.009	mg/L	—	.0365***
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Total Vanadium	0.0015	0.005	0.026	mg/L		
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Total Vanadium	0.0015	0.005	0.023	mg/L		
HLSF-3839-HMW-059-0807	8/27/2007	HMW59	Total Vanadium	0.0015	0.005	0.021	mg/L		
HLSF-3839-HMW-032-0807	8/24/2007	HMW32	Total Zinc	0.0071	0.01	0.011	mg/L	0.024	10.0
HLSF-3839-HMW-034-0807	8/23/2007	HMW34	Total Zinc	0.0071	0.01	0.017	mg/L		
HLSF-3839-HMW-033-0807*	8/27/2007	HMW33	Trichloroethene (TCE)	0.434	1	6.12	ug/L	—	100.0

* Mean of duplicate analyses
** 20NMAC6.2.3103, except as noted
*** NMED SSL Tap water criterion (NMED 2006)
Entries in **bold** are in excess of the relevant standard

Analytical Results for HELSTF Systemic Diesel Spill
September - October 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard**
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	1,1,1-Trichloroethane	0.303	1	1.62	ug/L	—	60
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	1,1-Dichloroethane	0.324	1	**86**	ug/L		25
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	1,1-Dichloroethane	0.324	1	22.8	ug/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	1,1-Dichloroethane	0.324	1	**27**	ug/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	1,1-Dichloroethane	0.324	1	4.71	ug/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	1,1-Dichloroethane	0.324	1	**67.4**	ug/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	1,1-Dichloroethane	0.324	1	23.4	ug/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	1,1-Dichloroethene	0.326	1	**5.47**	ug/L	—	5
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	1,2,4-Trimethylbenzene	0.532	1	**32.2**	ug/L	—	12.3***
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	1,2,4-Trimethylbenzene	0.532	1	1.19	ug/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	1-Methylnaphthalene	0.002049	0.005	0.0297	mg/L	—	0.03
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	1-Methylnaphthalene	0.002049	0.005	**0.314**	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	1-Methylnaphthalene	0.002049	0.005	0.28	mg/L		
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	2,6-DNT / 2,4-DNT	0.417	0.5	5.35	ug/L	—	73***
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	2-Methylnaphthalene	0.002058	0.005	0.00746	mg/L	—	—
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	2-Methylnaphthalene	0.002058	0.005	0.392	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	2-Methylnaphthalene	0.002058	0.005	0.178	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	2-NT	0.301	0.5	**20.3**	ug/L	—	0.481***
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	2-NT	0.301	0.5	**229**	ug/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	2-NT	0.301	0.5	**12.4**	ug/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	4-Aminobiphenyl	0.001849	0.005	0.0108	mg/L	—	—
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	4-amino-DNT / 2-amino-DNT	0.376	0.5	1.37	ug/L	—	—
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Acenaphthene	0.001912	0.005	0.0192	mg/L	—	0.365***
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Acenaphthene	0.001912	0.005	0.071	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Anthracene	0.001902	0.005	0.077	mg/L		1.83
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Anthracene	0.001902	0.005	0.184	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Benzene	0.356	1	6.36	ug/L	—	10
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Benzene	0.356	1	2.14	ug/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Benzene	0.356	1	**24.6**	ug/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Benzene	0.356	1	**35.2**	ug/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Benzene	0.356	1	1.18	ug/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Bicarbonate Alkalinity	5	5	270	mg/L****	214	—
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Bicarbonate Alkalinity	5	5	2230	mg/L****		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Bicarbonate Alkalinity	5	5	1490	mg/L****		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Bicarbonate Alkalinity	5	5	378	mg/L****		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Bicarbonate Alkalinity	5	5	240	mg/L****		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Bicarbonate Alkalinity	5	5	195	mg/L****		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Bicarbonate Alkalinity	5	5	216	mg/L****		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Bicarbonate Alkalinity	5	5	1160	mg/L****		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Bicarbonate Alkalinity	5	5	1975	mg/L****		

Analytical Results for HELSTF Systemic Diesel Spill
September - October 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard**
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Bicarbonate Alkalinity	5	5	512	mg/L****		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Bicarbonate Alkalinity	5	5	1330	mg/L****		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Bicarbonate Alkalinity	5	5	216	mg/L****		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Bicarbonate Alkalinity	5	5	222	mg/L****		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Bromide	0.0299	0.2	0.63	mg/L	195	—
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Bromide	0.0299	0.2	0.94	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Bromide	0.0299	0.2	0.86	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Bromide	0.0299	0.2	0.96	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Bromide	0.0299	0.2	3.35	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Bromide	0.0299	0.2	1.04	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Bromide	0.0299	0.2	0.77	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Bromide	0.0299	0.2	1.11	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Bromide	0.0299	0.2	0.52	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Bromide	0.0299	0.2	0.73	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Bromide	0.0299	0.2	0.77	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Bromide	0.0299	0.2	0.84	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Bromide	0.0299	0.2	1.02	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Chloride	0.035	2	**497**	mg/L	2220	250
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Chloride	0.035	2	**876**	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Chloride	0.035	2	**810**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Chloride	0.035	2	**1040**	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Chloride	0.035	2	**5010**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Chloride	0.035	2	**2025**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Chloride	0.035	2	**1540**	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Chloride	0.035	2	**942**	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Chloride	0.035	2	167	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Chloride	0.035	2	**618**	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Chloride	0.035	2	**593**	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Chloride	0.035	2	**1730**	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Chloride	0.035	2	**2030**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Chloroform	0.345	1	1.08	ug/L	—	10
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Chloroform	0.345	1	1.06	ug/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Di-n-butylphthalate	0.001795	0.005	0.00583	mg/L	—	3.65***
HLSF-0154-HCF-003-1007	10/9/2007	HCF03	Diphenylamine	0.001927	0.005	0.0308	mg/L	—	—
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	DRO	1.06	5	367	mg/L	—	—
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	DRO	1.35	5	338	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Fluorene	0.001815	0.005	0.0336	mg/L	—	0.243***
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Fluorene	0.001815	0.005	0.0874	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Fluoride	0.0168	0.2	**1.82**	mg/L	2.04	1.6
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Fluoride	0.0168	0.2	**1.73**	mg/L		

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Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard**
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Fluoride	0.0168	0.2	**2.72**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Fluoride	0.0168	0.2	**3.54**	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Fluoride	0.0168	0.2	**2.83**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Fluoride	0.0168	0.2	**1.93**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Fluoride	0.0168	0.2	**2.2**	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Fluoride	0.0168	0.2	**4.88**	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Fluoride	0.0168	0.2	**1.68**	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Fluoride	0.0168	0.2	**3.1**	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Fluoride	0.0168	0.2	**1.98**	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Fluoride	0.0168	0.2	**2.09**	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Fluoride	0.0168	0.2	**2.58**	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	GRO	0.010366	0.1	0.111	mg/L	—	—
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	GRO	0.0353	0.1	0.208	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	GRO	0.010366	0.1	2.64	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	GRO	0.010366	0.1	0.414	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Isopropylbenzene	0.521	1	4.77	ug/L	—	—
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Isopropylbenzene	0.521	1	1.33	ug/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Isopropylbenzene	0.521	1	1.64	ug/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	MTBE	0.352	1	5.58	ug/L	—	61.4***
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	MTBE	0.352	1	1.61	ug/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	MTBE	0.352	1	1.37	ug/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	MTBE	0.352	1	9.63	ug/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	MTBE	0.352	1	1.48	ug/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Naphthalene	0.001871	0.005	0.0108	mg/L	—	0.03
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Naphthalene	0.299	5	**50.9**	ug/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Naphthalene	0.001871	0.005	**0.0844**	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Naphthalene	0.299	5	**112**	ug/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Naphthalene	0.299	5	7.76	ug/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Nitrate and Nitrite as N	0.0223	0.1	6.05	mg/L	82.5	10
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Nitrate and Nitrite as N	0.0223	0.1	0.616	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Nitrate and Nitrite as N	0.0223	0.1	**28.4**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Nitrate and Nitrite as N	0.0223	0.1	**66.2**	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Nitrate and Nitrite as N	0.0223	0.1	**62.5**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Nitrate and Nitrite as N	0.0223	0.1	**58.8**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Nitrate and Nitrite as N	0.0223	0.1	**31.3**	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Nitrate and Nitrite as N	0.0223	0.1	**12.7**	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Nitrate and Nitrite as N	0.0223	0.1	1.42	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Nitrate and Nitrite as N	0.0223	0.1	1.13	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Nitrate and Nitrite as N	0.0223	0.1	**29.6**	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Nitrate and Nitrite as N	0.0223	0.1	**39.4**	mg/L		

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HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Nitrobenzene	0.371	0.5	**19.5**	ug/L	—	3.4***
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	n-Propylbenzene	0.483	1	1.7	ug/L	—	60.8***
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	pH			7.24	s.u.	7.48	6 -- 9
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	pH			7.38	s.u.		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	pH			7.1	s.u.		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	pH			7.39	s.u.		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	pH			7.69	s.u.		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	pH			7.24	s.u.		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	pH			7.59	s.u.		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	pH			6.56	s.u.		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	pH			7.02	s.u.		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	pH			7.03	s.u.		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	pH			6.96	s.u.		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	pH			7.33	s.u.		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	pH			7.41	s.u.		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Pyrene	0.00165	0.005	0.0074	mg/L	—	0.183***
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Pyrene	0.00165	0.005	0.0418	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	sec-Butylbenzene	0.449	1	1.73	ug/L	—	60.8***
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	sec-Butylbenzene	0.449	1	1.72	ug/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Specific Conductance			11700	uMHOS/cm	14725	—
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Specific Conductance			10600	uMHOS/cm		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Specific Conductance			15400	uMHOS/cm		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Specific Conductance			12600	uMHOS/cm		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Specific Conductance			30000	uMHOS/cm		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Specific Conductance			14800	uMHOS/cm		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Specific Conductance			13800	uMHOS/cm		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Specific Conductance			11700	uMHOS/cm		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Specific Conductance			4920	uMHOS/cm		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Specific Conductance			9480	uMHOS/cm		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Specific Conductance			9020	uMHOS/cm		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Specific Conductance			14500	uMHOS/cm		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Specific Conductance			16500	uMHOS/cm		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Sulfate	0.0238	1	**4410**	mg/L	7295	600
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Sulfate	0.0238	1	**3150**	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Sulfate	0.0238	1	**7680**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Sulfate	0.0238	1	**6040**	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Sulfate	0.0238	1	**11900**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Sulfate	0.0238	1	**5980**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Sulfate	0.0238	1	**5770**	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Sulfate	0.0238	1	**5440**	mg/L		

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Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard**
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Sulfate	0.0238	1	**904**	mg/L		
HLSF-0154-HCF-103-1007	10/9/2007	HCF03	Sulfate	0.0238	1	**972**	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Sulfate	0.0238	1	**4790**	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Sulfate	0.0238	1	**4040**	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Sulfate	0.0238	1	**6450**	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Sulfate	0.0238	1	**7950**	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	TNT	0.324	0.5	**21.7**	ug/L		18.3***
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Alkalinity	3.36	5	270	mg/L****	214	—
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Alkalinity	3.36	5	2230	mg/L****		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Alkalinity	3.36	5	1490	mg/L****		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Alkalinity	3.36	5	378	mg/L****		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Alkalinity	3.36	5	240	mg/L****		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Alkalinity	3.36	5	195	mg/L****		
HLSF-0154-DRW-116-1007	10/3/2007	DRW16	Total Alkalinity	3.36	5	194	mg/L****		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Alkalinity	3.36	5	216	mg/L****		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Total Alkalinity	3.36	5	1160	mg/L****		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Total Alkalinity	3.36	5	1975	mg/L****		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Alkalinity	3.36	5	512	mg/L****		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Alkalinity	3.36	5	1330	mg/L****		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Total Alkalinity	3.36	5	216	mg/L****		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Total Alkalinity	3.36	5	222	mg/L****		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Antimony	0.0166	0.05	**0.057**	mg/L		0.0146***
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Arsenic	0.0043	0.005	0.047	mg/L	0.012	0.1
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Arsenic	0.0043	0.005	0.046	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Barium	0.0017	0.01	0.012	mg/L	<0.01	1
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Barium	0.0017	0.01	0.019	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Barium	0.0017	0.01	0.011	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Barium	0.0017	0.01	0.011	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Barium	0.0017	0.01	0.015	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Total Barium	0.0017	0.01	0.011	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Total Barium	0.0017	0.01	0.153	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Barium	0.0017	0.01	0.012	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Barium	0.0017	0.01	0.02	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Chromium	0.0009	0.005	**0.601**	mg/L	0.6	0.05
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Chromium	0.0009	0.005	**0.37**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Chromium	0.0009	0.005	**1.74**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Chromium	0.0009	0.005	**0.056**	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Chromium	0.0009	0.005	0.006	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Chromium	0.0009	0.005	0.014	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Total Chromium	0.0009	0.005	**0.051**	mg/L		

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Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard**
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Cobalt	0.0022	0.005	0.025	mg/L	—	0.05
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Copper	0.0014	0.005	0.005	mg/L	<0.005	1
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Copper	0.0014	0.005	0.014	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Copper	0.0014	0.005	0.018	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Copper	0.0014	0.005	0.013	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Copper	0.0014	0.005	0.006	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Copper	0.0014	0.005	0.006	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Dissolved Solids	5	5	**9840**	mg/L	15650	1000
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Dissolved Solids	5	5	**7850**	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Dissolved Solids	5	5	**13800**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Dissolved Solids	5	5	**11200**	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Dissolved Solids	5	5	**28700**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Dissolved Solids	5	5	**12800**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Dissolved Solids	5	5	**12000**	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Total Dissolved Solids	5	5	**11400**	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Total Dissolved Solids	5	5	**3900**	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Dissolved Solids	5	5	**8680**	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Dissolved Solids	5	5	**8300**	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Total Dissolved Solids	5	5	**12900**	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Total Dissolved Solids	5	5	**14600**	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Nickel	0.0019	0.005	0.082	mg/L	—	0.2
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Nickel	0.0019	0.005	0.01	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Nickel	0.0019	0.005	0.086	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Nickel	0.0019	0.005	**0.287**	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Nickel	0.0019	0.005	**0.822**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Nickel	0.0019	0.005	0.162	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Total Nickel	0.0019	0.005	0.006	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Nickel	0.0019	0.005	0.005	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Nickel	0.0019	0.005	0.035	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Organic Carbon	0.3825	1	42	mg/L	—	—
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Organic Carbon	0.3825	1	11.2	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Organic Carbon	0.3825	1	7.86	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Organic Carbon	0.3825	1	2.39	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Organic Carbon	0.3825	1	2.66	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Organic Carbon	0.3825	1	1.66	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Total Organic Carbon	0.3825	1	16.3	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Total Organic Carbon	0.3825	1	111	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Organic Carbon	0.3825	1	4.9	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Organic Carbon	0.3825	1	23.4	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Total Organic Carbon	0.3825	1	1.17	mg/L		

Analytical Results for HELSTF Systemic Diesel Spill
September - October 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Background	Standard**
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Selenium	0.0131	0.02	**0.065**	mg/L	0.076	0.05
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Selenium	0.0131	0.02	0.025	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Selenium	0.0131	0.02	**0.201**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Selenium	0.0131	0.02	**0.086**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Selenium	0.0131	0.02	**0.066**	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Total Selenium	0.0131	0.02	**0.059**	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Total Selenium	0.0131	0.02	0.07	mg/L		
HLSF-0154-DRW-004-1007	10/3/2007	DRW04	Total Vanadium	0.0015	0.005	**0.038**	mg/L	—	0.0365***
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Vanadium	0.0015	0.005	0.01	mg/L		
HLSF-0154-DRW-006-1007	10/1/2007	DRW06	Total Vanadium	0.0015	0.005	**0.069**	mg/L		
HLSF-0154-DRW-008-0907	9/26/2007	DRW08	Total Vanadium	0.0015	0.005	**0.036**	mg/L		
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Total Vanadium	0.0015	0.005	**0.052**	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Vanadium	0.0015	0.005	0.023	mg/L		
HLSF-0154-HCF-002-1007	10/4/2007	HCF02	Total Vanadium	0.0015	0.005	0.005	mg/L		
HLSF-0154-HCF-003-1007*	10/9/2007	HCF03	Total Vanadium	0.0015	0.005	0.027	mg/L		
HLSF-0154-HCF-103-1007	10/9/2007	HCF03	Total Vanadium	0.0015	0.005	0.025	mg/L		
HLSF-0154-HCF-004-1007	10/9/2007	HCF04	Total Vanadium	0.0015	0.005	0.028	mg/L		
HLSF-0154-HCF-006-1007	10/5/2007	HCF06	Total Vanadium	0.0015	0.005	0.016	mg/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Total Vanadium	0.0015	0.005	0.023	mg/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Total Vanadium	0.0015	0.005	0.029	mg/L		
HLSF-0154-DRW-005-0907	9/27/2007	DRW05	Total Zinc	0.0071	0.01	0.011	mg/L	0.024	10
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Total Zinc	0.0071	0.01	0.028	mg/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Total Zinc	0.0071	0.01	0.01	mg/L		
HLSF-0154-DRW-012-0907	9/26/2007	DRW12	Trichloroethene (TCE)	0.434	1	7.03	ug/L	—	100
HLSF-0154-DRW-016-1007*	10/3/2007	DRW16	Trichloroethene (TCE)	0.434	1	88	ug/L		
HLSF-0154-DRW-017-0907	9/27/2007	DRW17	Trichloroethene (TCE)	0.434	1	5.89	ug/L		
HLSF-0154-HMW-054-1007	10/2/2007	HMW54	Trichloroethene (TCE)	0.434	1	5.98	ug/L		
HLSF-0154-HMW-055-1007	10/1/2007	HMW55	Trichloroethene (TCE)	0.434	1	38	ug/L		

* Mean of duplicate analyses
** NMAC 20.6.2.3103 except as noted
*** NMED SSL Tap Water Screening Level
**** as CaCO3
— None

STP Ditches Winter 2007
Field Data

Date	Time	Sample ID	Well Name	Depth to Ground Water - feet (BGS)	Water Table Elevation	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	pH	Temperature (C)	Turb (NTU)
2/8/2007	1455	MNPL-MPL-MPL-001-0207	MPL01	202.53	3810.03	0.396	4.94	170.8	7.68	22.42	9.79
2/9/2007	1045	MNPL-MPL-MPL-002-0207	MPL02	195.96	3808.60	0.539	5.29	235.2	7.33	20.56	2.24
2/12/2007	1007	MNPL-MPL-MPL-003-0207	MPL03	189.9	3807.85	0.677	4.95	237.7	7.34	21.29	5.72
2/12/2007	1415	MNPL-MPL-MPL-004-0207	MPL04	185.69	3807.81	0.777	5.32	248.7	7.21	20.56	4
2/27/2007	1440	MNPL-MPL-MPL-005-0207	MPL05	183.35	3808.55	0.532	6.04	114	7.8	22.9	0.18
2/14/2007	1153	MNPL-MPL-MPL-006-0207	MPL06	168.73	3807.24	0.309	4.98	4.1	7.77	19.47	0.03
2/20/2007	1059	MNPL-MPL-MPL-007-0207	MPL07	176.27	3807.12	0.859	4.62	215.5	7.24	20.45	0
2/22/2007	1545	MNPL-MPL-MPL-010-0207	MPL10	238.49	3811.57	0.507	4.97	189.4	7.61	21.07	0.05
2/22/2007	1118	MNPL-MPL-MPL-013-0207	MPL13	214.48	3812.54	0.377	6.28	110.2	7.88	21.4	6.71
2/21/2007	1046	MNPL-MPL-MPL-016-0207	MPL16	232.44	3813.30	0.469	6.68	102.3	7.7	21.6	0.11
2/15/2007	1355	MNPL-MPL-MPL-017-0207	MPL17	175.16	3805.36	0.422	4.79	-49.5	7.72	21.19	0.32
2/14/2007	1001	MNPL-MPL-MPL-018-0207	MPL18	169.8	3806.81	0.295	5.49	3.11	7.82	21.1	0.36
3/19/2007	1350	MNPL-MPL-MPL-019-0307	MPL19	192.21	3803.32	0.31	3.71	38.9	7.43	25.66	4.22
3/13/2007	1335	MNPL-MPL-MPL-020-0307	MPL20	190.13	3806.59	0.648	3.35	112.4	7.88	20.65	4.56
3/7/2007	1040	MNPL-MPL-MPL-021-0207	MPL21	187.57	3804.81	0.304	1.26	-142.6	7.99	19.81	2.23
3/22/2007	1045	MNPL-MPL-MPL-022-0307	MPL22	186.33	3806.82	0.21	1.63	-196.2	9.38	20.84	94.9
3/20/2007	1430	MNPL-MPL-MPL-023-0307	MPL23	239.69	3806.79	0.298	1.75	41.5	7.56	24.46	4.43
3/21/2007	1400	MNPL-MPL-MPL-024-0307	MPL24	235.94	3812.18	--	3.06	88.4	7.33	24.46	11.3
3/22/2007	1400	MNPL-MPL-MPL-025-0307	MPL25	252.97	3824.91	0.431	3.67	65.9	7.31	21.15	0.35
2/27/2007	943	MNPL-MPL-MPL-026-0207	MPL26	212.89	3885.00	1.445	6.13	-8.9	7.44	21.48	3.06
2/13/2007	957	MNPL-MPL-MPL-028-0207	MPL28	181.41	3806.71	0.771	4.5	248	7.49	20.15	1.15
2/21/2007	1520	MNPL-MPL-MPL-029-0207	MPL29	212.13	3808.89	0.725	3.39	187.8	7.26	22.55	2.83
2/20/2007	1505	MNPL-MPL-MPL-030-0207	MPL30	196.37	3805.81	0.657	4.35	180	7.6	20.12	1.25
3/26/2007	1120	SGTP-6678-SMW-001-0307	SMW01	208.01	3874.97	0.314	3.52	80.9	6.63	20.66	0.79
3/23/2007	1315	SGTP-6678-SMW-004-0307	SMW04	252.07	3816.46	0.336	3.3	72.3	6.99	19.85	4.65
2/26/2007	1115	MNPL-MPL-T-040-0207	T40	126.44	3800.14	0.364	4.19	-21.9	7.74	21.05	2.05

Analytical Results for Former STP Percolation Ditches
February - March 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Result ***	Units	Standard
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Amenable Cyanide	**0.301**	mg/L	0.2
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Amenable Cyanide	0.0974	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Amenable Cyanide	0.151	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Amenable Cyanide	**0.218**	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Amenable Cyanide	0.0889	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Amenable Cyanide	0.104	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Amenable Cyanide	**0.217**	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Amenable Cyanide	0.135	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Amenable Cyanide	**0.283**	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Amenable Cyanide	0.172	mg/L	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Bicarbonate Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Bicarbonate Alkalinity	88	mg/L as CaCo3	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Bicarbonate Alkalinity	105	mg/L as CaCo3	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Bicarbonate Alkalinity	124	mg/L as CaCo3	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Bicarbonate Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Bicarbonate Alkalinity	90	mg/L as CaCo3	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Bicarbonate Alkalinity	120	mg/L as CaCo3	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Bicarbonate Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Bicarbonate Alkalinity	66	mg/L as CaCo3	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Bicarbonate Alkalinity	82	mg/L as CaCo3	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Bicarbonate Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Bicarbonate Alkalinity	94	mg/L as CaCo3	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Bicarbonate Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Bicarbonate Alkalinity	75	mg/L as CaCo3	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Bicarbonate Alkalinity	88	mg/L as CaCo3	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Bicarbonate Alkalinity	98	mg/L as CaCo3	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Bicarbonate Alkalinity	78	mg/L as CaCo3	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Bicarbonate Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Bicarbonate Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Bicarbonate Alkalinity	62	mg/L as CaCo3	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Bicarbonate Alkalinity	88	mg/L as CaCo3	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Bicarbonate Alkalinity	156	mg/L as CaCo3	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Bicarbonate Alkalinity	100	mg/L as CaCo3	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Bicarbonate Alkalinity	80	mg/L as CaCo3	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Bicarbonate Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-T-040-0207	2/26/2007	T40	Bicarbonate Alkalinity	110	mg/L as CaCo3	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Chloride	31.1	mg/L	250
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Chloride	48.2	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Chloride	132	mg/L	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Chloride	64.6	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Chloride	65	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Chloride	23	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Chloride	84.2	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Chloride	39.6	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Chloride	29	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Chloride	39.4	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Chloride	48.3	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Chloride	19.8	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Chloride	13.6	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Chloride	67.3	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Chloride	10.9	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Chloride	12.5	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Chloride	11.2	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Chloride	37	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Chloride	38	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Chloride	192	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Chloride	89.8	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Chloride	46.8	mg/L	

Analytical Results for Former STP Percolation Ditches
February - March 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Result ***	Units	Standard
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Chloride	56.6	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Chloride	14.5	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Chloride	17.7	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Chloride	21.2	mg/L	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Dissolved Barium	0.092	mg/L	1.0
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Dissolved Barium	0.058	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Dissolved Barium	0.046	mg/L	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Dissolved Barium	0.06	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Dissolved Barium	0.133	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Dissolved Barium	0.124	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Dissolved Barium	0.056	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Dissolved Barium	0.12	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Dissolved Barium	0.095	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Dissolved Barium	0.066	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Dissolved Barium	0.065	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Dissolved Barium	0.145	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Dissolved Barium	0.083	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Dissolved Barium	0.078	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Dissolved Barium	0.06	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Dissolved Barium	0.064	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Dissolved Barium	0.019	mg/L	
MNPL-MPL-MPL-123-0307	3/20/2007	MPL23	Dissolved Barium	0.018	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Dissolved Barium	0.111	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Dissolved Barium	0.07	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Dissolved Barium	0.059	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Dissolved Barium	0.072	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Dissolved Barium	0.059	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Dissolved Barium	0.122	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Dissolved Barium	0.07	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Dissolved Barium	0.077	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Dissolved Barium	0.118	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Dissolved Beryllium	**0.004**	mg/L	0.004****
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Dissolved Chromium	0.006	mg/L	0.05
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Dissolved Chromium	0.005	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Dissolved Chromium	0.005	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Dissolved Chromium	0.011	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Dissolved Chromium	0.014	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Dissolved Chromium	0.014	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Dissolved Chromium	0.007	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Dissolved Chromium	0.006	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Dissolved Chromium	0.017	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Dissolved Chromium	0.021	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Dissolved Chromium	0.007	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Dissolved Copper	0.005	mg/L	1.0
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Dissolved Copper	0.009	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Dissolved Copper	0.007	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Dissolved Copper	0.01	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Dissolved Copper	0.014	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Dissolved Copper	0.014	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Dissolved Copper	0.009	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Dissolved Nickel	0.152	mg/L	0.2
MNPL-MPL-T-040-0207	2/26/2007	T40	Dissolved Nickel	0.043	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Dissolved Vanadium	0.006	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Dissolved Vanadium	0.005	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Dissolved Vanadium	0.006	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Dissolved Vanadium	0.006	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Dissolved Vanadium	0.007	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Dissolved Vanadium	0.007	mg/L	

Analytical Results for Former STP Percolation Ditches
February - March 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Result ***	Units	Standard
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Dissolved Vanadium	0.005	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Dissolved Vanadium	0.009	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Dissolved Vanadium	0.012	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Dissolved Vanadium	0.008	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Dissolved Vanadium	0.005	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Dissolved Vanadium	0.006	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Dissolved Vanadium	0.005	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Dissolved Vanadium	0.008	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Dissolved Zinc	0.006	mg/L	10
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Fluoride	0.33	mg/L	1.6
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Fluoride	1.06	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Fluoride	0.38	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Fluoride	1.2	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Fluoride	0.25	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Fluoride	0.34	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Fluoride	0.38	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Fluoride	0.34	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Fluoride	1.11	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Fluoride	1.2	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Fluoride	0.44	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Fluoride	0.3	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Fluoride	0.43	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Fluoride	0.51	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Fluoride	0.44	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Fluoride	0.37	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Fluoride	0.36	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Fluoride	0.32	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Fluoride	1.18	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Fluoride	0.26	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Fluoride	0.38	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Fluoride	0.46	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Fluoride	0.44	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Fluoride	0.28	mg/L	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Free Cyanide	**		0.2
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Free Cyanide	**		
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Free Cyanide	**		
MNPL-MPL-MPL-103-0207	2/12/2007	MPL03	Free Cyanide	**		
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Free Cyanide	**		
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Free Cyanide	**		
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Free Cyanide	**		
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Free Cyanide	**		
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Free Cyanide	**		
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Free Cyanide	**		
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Free Cyanide	0.03	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Free Cyanide	**		
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Free Cyanide	**		
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Nitrate-N	4.94	mg/L	10
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Nitrate-N	5.9	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Nitrate-N	8.28	mg/L	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Nitrate-N	9.86	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Nitrate-N	6.11	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Nitrate-N	3.34	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Nitrate-N	**10.3**	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Nitrate-N	5.19	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Nitrate-N	6.94	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Nitrate-N	4.68	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Nitrate-N	5.51	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Nitrate-N	2.94	mg/L	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result ***	Units	Standard
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Nitrate-N	2.13	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Nitrate-N	7.61	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Nitrate-N	1.4	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Nitrate-N	0.65	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Nitrate-N	1.43	mg/L	
MNPL-MPL-MPL-123-0307	3/20/2007	MPL23	Nitrate-N	1.43	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Nitrate-N	4.59	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Nitrate-N	4.02	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Nitrate-N	8.62	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Nitrate-N	9.68	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Nitrate-N	5.91	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Nitrate-N	7.95	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Nitrate-N	2.29	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Nitrate-N	2.68	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Nitrite-N	2.36	mg/L	10
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Nitrite-N	1.63	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Nitrite-N	1.61	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Nitrite-N	1.87	mg/L	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	pH	7.77	s.u.	6 -- 9
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	pH	7.62	s.u.	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	pH	7.61	s.u.	
MNPL-MPL-MPL-103-0207	2/12/2007	MPL03	pH	7.64	s.u.	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	pH	7.58	s.u.	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	pH	7.69	s.u.	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	pH	7.83	s.u.	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	pH	7.49	s.u.	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	pH	7.75	s.u.	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	pH	7.77	s.u.	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	pH	7.72	s.u.	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	pH	7.69	s.u.	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	pH	7.9	s.u.	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	pH	7.83	s.u.	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	pH	7.76	s.u.	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	pH	7.76	s.u.	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	pH	8.73	s.u.	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	pH	7.23	s.u.	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	pH	7.73	s.u.	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	pH	7.82	s.u.	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	pH	7.39	s.u.	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	pH	7.74	s.u.	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	pH	7.49	s.u.	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	pH	7.75	s.u.	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	pH	7.15	s.u.	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	pH	7.54	s.u.	
MNPL-MPL-T-040-0207	2/26/2007	T40	pH	7.66	s.u.	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Specific Conductance	416	µMHOS/cm	
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Specific Conductance	570	µMHOS/cm	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Specific Conductance	711	µMHOS/cm	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Specific Conductance	818	µMHOS/cm	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Specific Conductance	566	µMHOS/cm	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Specific Conductance	327	µMHOS/cm	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Specific Conductance	902	µMHOS/cm	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Specific Conductance	531	µMHOS/cm	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Specific Conductance	399	µMHOS/cm	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Specific Conductance	491	µMHOS/cm	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Specific Conductance	445	µMHOS/cm	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Specific Conductance	314	µMHOS/cm	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Specific Conductance	332	µMHOS/cm	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result ***	Units	Standard
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Specific Conductance	676	µMHOS/cm	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Specific Conductance	316	µMHOS/cm	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Specific Conductance	220	µMHOS/cm	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Specific Conductance	316	µMHOS/cm	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Specific Conductance	468	µMHOS/cm	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Specific Conductance	463	µMHOS/cm	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Specific Conductance	1520	µMHOS/cm	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Specific Conductance	809	µMHOS/cm	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Specific Conductance	758	µMHOS/cm	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Specific Conductance	687	µMHOS/cm	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Specific Conductance	336	µMHOS/cm	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Specific Conductance	358	µMHOS/cm	
MNPL-MPL-T-040-0207	2/26/2007	T40	Specific Conductance	382	µMHOS/cm	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Sulfate	42.9	mg/L	600
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Sulfate	68.9	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Sulfate	164	mg/L	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Sulfate	183	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Sulfate	53.7	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Sulfate	49.4	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Sulfate	143	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Sulfate	86.2	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Sulfate	49.8	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Sulfate	67.9	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Sulfate	70.4	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Sulfate	46.8	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Sulfate	46.3	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Sulfate	107	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Sulfate	44.4	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Sulfate	31.9	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Sulfate	46.3	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Sulfate	65.9	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Sulfate	51.1	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Sulfate	389	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Sulfate	175	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Sulfate	122	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Sulfate	102	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Sulfate	50.6	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Sulfate	51.4	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Sulfate	33.4	mg/L	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Total Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Total Alkalinity	88	mg/L as CaCo3	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Total Alkalinity	105	mg/L as CaCo3	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Total Alkalinity	124	mg/L as CaCo3	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Total Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Total Alkalinity	90	mg/L as CaCo3	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Total Alkalinity	120	mg/L as CaCo3	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Total Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Total Alkalinity	66	mg/L as CaCo3	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Total Alkalinity	82	mg/L as CaCo3	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Total Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Total Alkalinity	94	mg/L as CaCo3	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Total Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Total Alkalinity	75	mg/L as CaCo3	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Total Alkalinity	88	mg/L as CaCo3	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Total Alkalinity	98	mg/L as CaCo3	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Total Alkalinity	78	mg/L as CaCo3	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Total Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Total Alkalinity	86	mg/L as CaCo3	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result ***	Units	Standard
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Total Alkalinity	62	mg/L as CaCo3	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Total Alkalinity	88	mg/L as CaCo3	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Total Alkalinity	156	mg/L as CaCo3	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Total Alkalinity	100	mg/L as CaCo3	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Total Alkalinity	80	mg/L as CaCo3	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Total Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-T-040-0207	2/26/2007	T40	Total Alkalinity	110	mg/L as CaCo3	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Total Cyanide	**0.221**	mg/L	0.2
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Total Cyanide	0.175	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Total Cyanide	**0.405**	mg/L	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Total Cyanide	**0.341**	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Total Cyanide	0.1	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Total Cyanide	0.151	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Total Cyanide	**0.218**	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Total Cyanide	0.0954	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Total Cyanide	0.104	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Total Cyanide	**0.22**	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Total Cyanide	0.14	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Total Cyanide	**0.454**	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Total Cyanide	**0.285**	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Total Cyanide	0.175	mg/L	
MNPL-MPL-MPL-001-0207	2/8/2007	MPL01	Total Dissolved Solids	256	mg/L	1000
MNPL-MPL-MPL-002-0207	2/9/2007	MPL02	Total Dissolved Solids	368	mg/L	
MNPL-MPL-MPL-003-0207*	2/12/2007	MPL03	Total Dissolved Solids	449	mg/L	
MNPL-MPL-MPL-004-0207	2/12/2007	MPL04	Total Dissolved Solids	510	mg/L	
MNPL-MPL-MPL-005-0207	2/27/2007	MPL05	Total Dissolved Solids	374	mg/L	
MNPL-MPL-MPL-006-0207	2/14/2007	MPL06	Total Dissolved Solids	226	mg/L	
MNPL-MPL-MPL-007-0207	2/20/2007	MPL07	Total Dissolved Solids	618	mg/L	
MNPL-MPL-MPL-010-0207	2/22/2007	MPL10	Total Dissolved Solids	366	mg/L	
MNPL-MPL-MPL-013-0207	2/22/2007	MPL13	Total Dissolved Solids	264	mg/L	
MNPL-MPL-MPL-016-0207	2/21/2007	MPL16	Total Dissolved Solids	336	mg/L	
MNPL-MPL-MPL-017-0207	2/15/2007	MPL17	Total Dissolved Solids	300	mg/L	
MNPL-MPL-MPL-018-0207	2/16/2007	MPL18	Total Dissolved Solids	206	mg/L	
MNPL-MPL-MPL-019-0307	3/19/2007	MPL19	Total Dissolved Solids	238	mg/L	
MNPL-MPL-MPL-020-0307*	3/13/2007	MPL20	Total Dissolved Solids	357	mg/L	
MNPL-MPL-MPL-021-0207	3/7/2007	MPL21	Total Dissolved Solids	230	mg/L	
MNPL-MPL-MPL-022-0307	3/9/2007	MPL22	Total Dissolved Solids	158	mg/L	
MNPL-MPL-MPL-023-0307*	3/20/2007	MPL23	Total Dissolved Solids	217	mg/L	
MNPL-MPL-MPL-024-0307	3/21/2007	MPL24	Total Dissolved Solids	320	mg/L	
MNPL-MPL-MPL-025-0307	3/22/2007	MPL25	Total Dissolved Solids	312	mg/L	
MNPL-MPL-MPL-026-0207	2/27/2007	MPL26	Total Dissolved Solids	**1130**	mg/L	
MNPL-MPL-MPL-028-0207	2/13/2007	MPL28	Total Dissolved Solids	526	mg/L	
MNPL-MPL-MPL-029-0207	2/21/2007	MPL29	Total Dissolved Solids	528	mg/L	
MNPL-MPL-MPL-030-0207	2/20/2007	MPL30	Total Dissolved Solids	446	mg/L	
SGTP-6678-SMW-001-0307	3/26/2007	SMW01	Total Dissolved Solids	214	mg/L	
SGTP-6678-SMW-004-0307	3/23/2007	SMW04	Total Dissolved Solids	242	mg/L	
MNPL-MPL-T-040-0207	2/26/2007	T40	Total Dissolved Solids	248	mg/L	

* Mean of Duplicate Analyses
** Due to laboratory error, free cyanide was not determined for these samples.
Given the length of analytical record, these omissions will not disturb the findings of the study.
Free cyanide will continue to be a part of the laboratory program for subsequent events.
*** Results in **bold** are in excess of their relevant standard -- 20NMAC6.2.3103, unles otherwise noted.
**** 20NMAC9.1.1100

STP Ditches Summer 2007
Field Data

Date	Time	Sample ID	Well Name	Depth to Ground Water - feet BGS	Water Table Elevation	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	pH	Temperature (°C)	Turb (NTU)
6/6/2007	1350	MNPL-MPL-MPL-001-0607	MPL01	202.37	3810.19	0.375	5.34	117.9	7.56	25.25	1.61
6/6/2007	1015	MNPL-MPL-MPL-002-0607	MPL02	187.81	3816.75	0.512	5.05	206.1	7.13	23.2	3.07
6/7/2007	1331	MNPL-MPL-MPL-003-0607	MPL03	189.75	3808.00	0.64	4.95	217	7.18	23.27	2.11
6/11/2007	1021	MNPL-MPL-MPL-004-0607	MPL04	185.51	3807.99	0.738	5.16	221.6	6.99	23.74	3.39
6/18/2007	1502	MNPL-MPL-MPL-005-0607	MPL05	183.21	3808.69	0.5	5.85	82.2	7.43	24.42	0.47
6/12/2007	1530	MNPL-MPL-MPL-006-0607	MPL06	168.67	3807.30	0.295	4.82	2.4	7.74	23.27	0.02
6/13/2007	1520	MNPL-MPL-MPL-007-0607	MPL07	176.27	3807.12	0.819	4.5	210.3	7.08	23.25	0
6/18/2007	1045	MNPL-MPL-MPL-010-0607	MPL10	238.43	3811.63	0.483	5.34	152.2	7.4	24.91	0
6/15/2007	1315	MNPL-MPL-MPL-013-0607	MPL13	214.39	3812.63	0.359	6.14	47.4	7.77	24.28	1.16
6/14/2007	1402	MNPL-MPL-MPL-016-0607	MPL16	232.35	3813.39	0.443	6.08	73.5	7.57	24.23	0
6/13/2007	1345	MNPL-MPL-MPL-017-0607	MPL17	175.13	3805.39	0.403	5.29	28	7.61	23.88	0.19
6/12/2007	1351	MNPL-MPL-MPL-018-0607	MPL18	169.75	3806.86	0.28	5.04	1.5	7.74	22.99	0.3
6/25/2007	1024	MNPL-MPL-MPL-019-0607	MPL19	191.36	3804.17	0.299	1.72	29.6	7.42	26.23	1.42
6/27/2007	1030	MNPL-MPL-MPL-020-0607	MPL20	190.28	3806.44	0.616	6.4	151.2	7.35	25.24	1.99
7/17/2007	1440	MNPL-MPL-MPL-021-0707	MPL21	187.65	3804.73	0.292	5.06	-18.7	7.58	27.35	3.15
7/13/2007	1430	MNPL-MPL-MPL-022-0707	MPL22	186.37	3806.78	0.207	4.33	-14	8.11	25.71	0.65
7/3/2007	1420	MNPL-MPL-MPL-023-0707	MPL23	239.82	3806.66	0.307	6.27	0.1	7.58	28	1.28
6/29/2007	1035	MNPL-MPL-MPL-024-0607	MPL24	235.86	3812.26	0.423	ND	121.1	7.59	23.75	0.78
7/19/2007	1004	MNPL-MPL-MPL-025-0707	MPL25	254.81	3823.07	0.422	2.63	8.2	7.72	23.76	0.08
6/19/2007	1005	MNPL-MPL-MPL-026-0607	MPL26	212.37	3885.52	1.366	6.05	8.3	7.21	24.42	2.06
6/11/2007	1435	MNPL-MPL-MPL-028-0607	MPL28	181.39	3806.73	0.728	4.57	225.3	7.3	23.08	1.6
6/15/2007	955	MNPL-MPL-MPL-029-0607	MPL29	212.12	3808.90	0.684	3.74	194.2	7.19	22.86	1.41
6/14/2007	1000	MNPL-MPL-MPL-030-0607	MPL30	196.36	3805.82	0.627	4.31	174.5	7.5	23.59	1.21
7/10/2007	1602	SGTP-6678-SMW-001-0707	SMW01	207.98	3875.00	0.31	ND	5.8	6.78	30.22	0.95
7/23/2007	1432	SGTP-6678-SMW-004-0707	SMW04	251.64	3816.89	0.327	5.32	-0.7	7.27	25.24	1.65
6/19/2007	1338	MNPL-MPL-T-040-0607	T40	125.63	3800.95	0.35	4.1	-5.6	7.54	24.09	1.25

Analytical Results for Former STP Percolation Ditches
June - July 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Result	Units	Standard**
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Amenable Cyanide	0.193	mg/L	0.2
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Amenable Cyanide	**0.246**	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Amenable Cyanide	**0.33**	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Amenable Cyanide	0.0207	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Amenable Cyanide	0.0876	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Amenable Cyanide	0.137	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Amenable Cyanide	0.0499	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Amenable Cyanide	0.0435	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Amenable Cyanide	0.0908	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Amenable Cyanide	0.0186	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Amenable Cyanide	0.056	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Amenable Cyanide	0.0898	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Amenable Cyanide	**0.443**	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Amenable Cyanide	**0.301**	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Amenable Cyanide	0.0856	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Bicarbonate Alkalinity	80	mg/L as CaCo3	—
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Bicarbonate Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Bicarbonate Alkalinity	105	mg/L as CaCo3	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Bicarbonate Alkalinity	124	mg/L as CaCo3	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Bicarbonate Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Bicarbonate Alkalinity	84	mg/L as CaCo3	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Bicarbonate Alkalinity	118	mg/L as CaCo3	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Bicarbonate Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Bicarbonate Alkalinity	68	mg/L as CaCo3	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Bicarbonate Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Bicarbonate Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Bicarbonate Alkalinity	90	mg/L as CaCo3	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Bicarbonate Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Bicarbonate Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Bicarbonate Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Bicarbonate Alkalinity	46	mg/L as CaCo3	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Bicarbonate Alkalinity	78	mg/L as CaCo3	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Bicarbonate Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Bicarbonate Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Bicarbonate Alkalinity	58	mg/L as CaCo3	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Bicarbonate Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Bicarbonate Alkalinity	148	mg/L as CaCo3	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Bicarbonate Alkalinity	96	mg/L as CaCo3	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Bicarbonate Alkalinity	74	mg/L as CaCo3	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Bicarbonate Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-T-040-0607	6/19/2007	T40	Bicarbonate Alkalinity	114	mg/L as CaCo3	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Chloride	34.3	mg/L	250
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Chloride	52.6	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Chloride	57.9	mg/L	
MNPL-MPL-MPL-103-0607	6/7/2007	MPL03	Chloride	54.2	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Chloride	63.5	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Chloride	64.4	mg/L	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Chloride	13.1	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Chloride	95.8	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Chloride	41	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Chloride	30.8	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Chloride	39.6	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Chloride	40	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Chloride	12.1	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Chloride	15.8	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Chloride	68	mg/L	
MNPL-MPL-MPL-120-0607	6/27/2007	MPL20	Chloride	67.8	mg/L	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result	Units	Standard**
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Chloride	11	mg/L	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Chloride	13.2	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Chloride	11.4	mg/L	
MNPL-MPL-MPL-123-0707	7/3/2007	MPL23	Chloride	11.4	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Chloride	37.8	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Chloride	40.3	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Chloride	196	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Chloride	86.8	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Chloride	49.2	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Chloride	61.4	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Chloride	14.9	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Chloride	16.9	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Chloride	21.4	mg/L	
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Dissolved Antimony	**0.065**	mg/L	0.0146***
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Dissolved Antimony	**0.074**	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Dissolved Barium	0.105	mg/L	1.0
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Dissolved Barium	0.069	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Dissolved Barium	0.048	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Dissolved Barium	0.072	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Dissolved Barium	0.105	mg/L	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Dissolved Barium	0.117	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Dissolved Barium	0.055	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Dissolved Barium	0.096	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Dissolved Barium	0.091	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Dissolved Barium	0.063	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Dissolved Barium	0.069	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Dissolved Barium	0.133	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Dissolved Barium	0.079	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Dissolved Barium	0.073	mg/L	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Dissolved Barium	0.055	mg/L	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Dissolved Barium	0.061	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Dissolved Barium	0.02	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Dissolved Barium	0.106	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Dissolved Barium	0.066	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Dissolved Barium	0.059	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Dissolved Barium	0.086	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Dissolved Barium	0.054	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Dissolved Barium	0.113	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Dissolved Barium	0.067	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Dissolved Barium	0.073	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Dissolved Barium	0.124	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Dissolved Chromium	0.005	mg/L	0.05
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Dissolved Chromium	0.032	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Dissolved Chromium	0.01	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Dissolved Chromium	0.033	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Dissolved Chromium	0.005	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Dissolved Chromium	0.01	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Dissolved Chromium	0.013	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Dissolved Chromium	0.042	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Dissolved Chromium	0.01	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Dissolved Nickel	0.007	mg/L	0.2
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Dissolved Nickel	0.005	mg/L	
MNPL-MPL-MPL-103-0607	6/7/2007	MPL03	Dissolved Nickel	0.006	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Dissolved Nickel	0.109	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Dissolved Nickel	0.026	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Dissolved Vanadium	0.005	mg/L	0.0365***
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Dissolved Vanadium	0.008	mg/L	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result	Units	Standard**
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Dissolved Vanadium	0.007	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Dissolved Vanadium	0.006	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Dissolved Vanadium	0.005	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Dissolved Vanadium	0.008	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Dissolved Zinc	0.029	mg/L	10
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Dissolved Zinc	0.012	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Dissolved Zinc	0.023	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Dissolved Zinc	0.02	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Dissolved Zinc	0.01	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Dissolved Zinc	0.066	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Dissolved Zinc	0.023	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Dissolved Zinc	0.01	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Dissolved Zinc	0.03	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Dissolved Zinc	0.015	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Dissolved Zinc	0.024	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Fluoride	0.39	mg/L	1.6
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Fluoride	0.34	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Fluoride	0.4	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Fluoride	0.36	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Fluoride	0.41	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Fluoride	0.3	mg/L	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Fluoride	0.43	mg/L	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Fluoride	0.53	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Fluoride	0.41	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Fluoride	0.33	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Fluoride	0.32	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Fluoride	0.32	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Fluoride	0.52	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Fluoride	0.43	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Fluoride	0.39	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Fluoride	0.27	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Free Cyanide	0.096	mg/L	0.2
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Free Cyanide	0.05	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Free Cyanide	0.017	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Free Cyanide	0.078	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Free Cyanide	0.108	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Free Cyanide	0.019	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Nitrate and Nitrite as N	3.84	mg/L	10
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Nitrate and Nitrite as N	6.1	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Nitrate and Nitrite as N	6.64	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Nitrate and Nitrite as N	**10.3**	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Nitrate and Nitrite as N	7.26	mg/L	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Nitrate and Nitrite as N	2.23	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Nitrate and Nitrite as N	**10.7**	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Nitrate and Nitrite as N	4.43	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Nitrate and Nitrite as N	5.09	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Nitrate and Nitrite as N	5.29	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Nitrate and Nitrite as N	4.56	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Nitrate and Nitrite as N	1.98	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Nitrate and Nitrite as N	3.24	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Nitrate and Nitrite as N	8.97	mg/L	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Nitrate and Nitrite as N	1.4	mg/L	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Nitrate and Nitrite as N	0.65	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Nitrate and Nitrite as N	1	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Nitrate and Nitrite as N	6.24	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Nitrate and Nitrite as N	3.6	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Nitrate and Nitrite as N	9.92	mg/L	

Analytical Results for Former STP Percolation Ditches
June - July 2007

Field Sample ID	Date Collected	Well Name	Analyte Name	Result	Units	Standard**
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Nitrate and Nitrite as N	8.06	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Nitrate and Nitrite as N	6.53	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Nitrate and Nitrite as N	9	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Nitrate and Nitrite as N	2.03	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Nitrate and Nitrite as N	1.86	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Nitrate and Nitrite as N	2.36	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	pH	7.65	s.u.	6 -- 9
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	pH	7.54	s.u.	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	pH	7.58	s.u.	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	pH	7.71	s.u.	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	pH	7.69	s.u.	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	pH	7.83	s.u.	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	pH	7.52	s.u.	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	pH	7.76	s.u.	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	pH	7.83	s.u.	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	pH	7.73	s.u.	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	pH	7.76	s.u.	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	pH	7.86	s.u.	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	pH	7.78	s.u.	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	pH	7.7	s.u.	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	pH	7.83	s.u.	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	pH	8.33	s.u.	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	pH	7.82	s.u.	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	pH	7.73	s.u.	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	pH	7.75	s.u.	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	pH	7.36	s.u.	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	pH	7.78	s.u.	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	pH	7.48	s.u.	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	pH	7.67	s.u.	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	pH	7.14	s.u.	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	pH	7.59	s.u.	
MNPL-MPL-T-040-0607	6/19/2007	T40	pH	7.68	s.u.	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Specific Conductance	408	uMHOS/cm	—
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Specific Conductance	556	uMHOS/cm	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Specific Conductance	696	uMHOS/cm	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Specific Conductance	809	uMHOS/cm	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Specific Conductance	543	uMHOS/cm	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Specific Conductance	322	uMHOS/cm	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Specific Conductance	891	uMHOS/cm	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Specific Conductance	521	uMHOS/cm	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Specific Conductance	392	uMHOS/cm	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Specific Conductance	479	uMHOS/cm	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Specific Conductance	443	uMHOS/cm	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Specific Conductance	310	uMHOS/cm	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Specific Conductance	325	uMHOS/cm	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Specific Conductance	673	uMHOS/cm	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Specific Conductance	316	uMHOS/cm	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Specific Conductance	216	uMHOS/cm	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Specific Conductance	316	uMHOS/cm	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Specific Conductance	466	uMHOS/cm	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Specific Conductance	462	uMHOS/cm	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Specific Conductance	147	uMHOS/cm	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Specific Conductance	796	uMHOS/cm	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Specific Conductance	749	uMHOS/cm	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Specific Conductance	679	uMHOS/cm	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Specific Conductance	336	uMHOS/cm	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Specific Conductance	360	uMHOS/cm	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result	Units	Standard**
MNPL-MPL-T-040-0607	6/19/2007	T40	Specific Conductance	383	uMHOS/cm	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Sulfate	46.6	mg/L	600
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Sulfate	77.4	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Sulfate	128	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Sulfate	173	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Sulfate	54.4	mg/L	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Sulfate	45.2	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Sulfate	174	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Sulfate	87.6	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Sulfate	52.3	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Sulfate	69.4	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Sulfate	64	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Sulfate	41.5	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Sulfate	9.39	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Sulfate	106	mg/L	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Sulfate	44.5	mg/L	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Sulfate	32	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Sulfate	47.1	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Sulfate	66.6	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Sulfate	52.1	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Sulfate	395	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Sulfate	164	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Sulfate	129	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Sulfate	111	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Sulfate	53	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Sulfate	48.9	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Sulfate	32.4	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Total Alkalinity	80	mg/L as CaCo3	—
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Total Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Total Alkalinity	105	mg/L as CaCo3	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Total Alkalinity	124	mg/L as CaCo3	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Total Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Total Alkalinity	84	mg/L as CaCo3	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Total Alkalinity	118	mg/L as CaCo3	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Total Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Total Alkalinity	68	mg/L as CaCo3	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Total Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Total Alkalinity	76	mg/L as CaCo3	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Total Alkalinity	90	mg/L as CaCo3	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Total Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Total Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Total Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Total Alkalinity	46	mg/L as CaCo3	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Total Alkalinity	78	mg/L as CaCo3	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Total Alkalinity	72	mg/L as CaCo3	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Total Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Total Alkalinity	58	mg/L as CaCo3	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Total Alkalinity	86	mg/L as CaCo3	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Total Alkalinity	148	mg/L as CaCo3	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Total Alkalinity	96	mg/L as CaCo3	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Total Alkalinity	74	mg/L as CaCo3	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Total Alkalinity	80	mg/L as CaCo3	
MNPL-MPL-T-040-0607	6/19/2007	T40	Total Alkalinity	114	mg/L as CaCo3	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Total Cyanide	**0.204**	mg/L	0.2
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Total Cyanide	**0.289**	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Total Cyanide	**0.344**	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Total Cyanide	**0.0244**	mg/L	

Analytical Results for Former STP Percolation Ditches
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Field Sample ID	Date Collected	Well Name	Analyte Name	Result	Units	Standard**
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Total Cyanide	0.0876	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Total Cyanide	0.144	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Total Cyanide	0.124	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Total Cyanide	0.0896	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Total Cyanide	0.0951	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Total Cyanide	0.0241	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Total Cyanide	0.0241	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Total Cyanide	0.142	mg/L	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Total Cyanide	0.0135	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Total Cyanide	0.186	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Total Cyanide	0.0124	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Total Cyanide	**0.449**	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Total Cyanide	**0.319**	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Total Cyanide	0.088	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Total Cyanide	0.0126	mg/L	
MNPL-MPL-MPL-001-0607	6/6/2007	MPL01	Total Dissolved Solids	286	mg/L	1000
MNPL-MPL-MPL-002-0607	6/7/2007	MPL02	Total Dissolved Solids	388	mg/L	
MNPL-MPL-MPL-003-0607*	6/7/2007	MPL03	Total Dissolved Solids	473	mg/L	
MNPL-MPL-MPL-004-0607	6/11/2007	MPL04	Total Dissolved Solids	559	mg/L	
MNPL-MPL-MPL-005-0607	6/18/2007	MPL05	Total Dissolved Solids	406	mg/L	
MNPL-MPL-MPL-006-0607	6/12/2007	MPL06	Total Dissolved Solids	234	mg/L	
MNPL-MPL-MPL-007-0607	6/13/2007	MPL07	Total Dissolved Solids	568	mg/L	
MNPL-MPL-MPL-010-0607	6/18/2007	MPL10	Total Dissolved Solids	346	mg/L	
MNPL-MPL-MPL-013-0607	6/15/2007	MPL13	Total Dissolved Solids	260	mg/L	
MNPL-MPL-MPL-016-0607	6/14/2007	MPL16	Total Dissolved Solids	326	mg/L	
MNPL-MPL-MPL-017-0607	6/13/2007	MPL17	Total Dissolved Solids	278	mg/L	
MNPL-MPL-MPL-018-0607	6/12/2007	MPL18	Total Dissolved Solids	206	mg/L	
MNPL-MPL-MPL-019-0607	6/25/2007	MPL19	Total Dissolved Solids	222	mg/L	
MNPL-MPL-MPL-020-0607*	6/27/2007	MPL20	Total Dissolved Solids	446	mg/L	
MNPL-MPL-MPL-021-0707	7/17/2007	MPL21	Total Dissolved Solids	224	mg/L	
MNPL-MPL-MPL-022-0707	7/13/2007	MPL22	Total Dissolved Solids	158	mg/L	
MNPL-MPL-MPL-023-0707*	7/3/2007	MPL23	Total Dissolved Solids	217	mg/L	
MNPL-MPL-MPL-024-0607	6/29/2007	MPL24	Total Dissolved Solids	308	mg/L	
MNPL-MPL-MPL-025-0707	7/19/2007	MPL25	Total Dissolved Solids	318	mg/L	
MNPL-MPL-MPL-026-0607	6/19/2007	MPL26	Total Dissolved Solids	**1110**	mg/L	
MNPL-MPL-MPL-028-0607	6/11/2007	MPL28	Total Dissolved Solids	553	mg/L	
MNPL-MPL-MPL-029-0607	6/15/2007	MPL29	Total Dissolved Solids	520	mg/L	
MNPL-MPL-MPL-030-0607	6/14/2007	MPL30	Total Dissolved Solids	446	mg/L	
SGTP-6678-SMW-001-0707	7/10/2007	SMW01	Total Dissolved Solids	240	mg/L	
SGTP-6678-SMW-004-0707	7/23/2007	SMW04	Total Dissolved Solids	242	mg/L	
MNPL-MPL-T-040-0607	6/19/2007	T40	Total Dissolved Solids	286	mg/L	

Notes:
* Denotes mean of duplicate analyses
** 20.6.2.3103 NMAC, September 2002, except as noted
*** tap water value from NMED SSL, Rev 4, June 2006

STP Ditches Winter 2008
Field Date

Date	Time	Sample ID	Well Name	Depth to Ground Water - feet BGS	Water Table Elevation	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	pH	Temperature (°C)	Turb (NTU)
1/8/2008	1322	MNPL-MPL-MPL-001-0108	MPL01	202.81	3809.75	0.379	6.16	-15.7	7.9	20.15	1.36
12/19/2007	1053	MNPL-MPL-MPL-002-1207	MPL02	196.16	3808.40	0.517	5.76	18.8	7.59	18.16	2.54
1/8/2008	930	MNPL-MPL-MPL-003-0108	MPL03	190.26	3807.49	0.643	5.41	-4.3	7.48	18.88	2.11
1/17/2008	1106	MNPL-MPL-MPL-004-0108	MPL04	186.03	3807.47	0.745	6	15.3	7.52	16.89	2.02
1/8/2008	1500	MNPL-MPL-MPL-005-0108	MPL05	183.53	3808.37	0.502	6.02	-18.2	7.77	21.21	0.47
1/9/2008	1300	MNPL-MPL-MPL-006-0108	MPL06	168.86	3807.11	0.299	5.23	-23.6	7.93	21.12	0.24
12/19/2007	1440	MNPL-MPL-MPL-007-1207	MPL07	176.39	3807.00	0.832	4.62	23.8	7.49	20.63	0.09
1/10/2008	1301	MNPL-MPL-MPL-010-0108	MPL10	238.92	3811.14	0.486	4.49	11.2	7.79	19.61	0.38
1/9/2008	952	MNPL-MPL-MPL-013-0108	MPL13	214.95	3812.07	0.364	6.79	-38.2	7.87	20.38	2.03
1/24/2008	1048	MNPL-MPL-MPL-016-0108	MPL16	231.8	3813.94	0.442	6.51	-15.4	7.91	16.85	0.13
12/27/2007	1316	MNPL-MPL-MPL-017-1207	MPL17	175.01	3805.51	0.408	6.27	-9.2	7.8	18.3	0.15
1/9/2008	1412	MNPL-MPL-MPL-018-0108	MPL18	169.93	3806.68	0.286	5.25	-20.2	7.94	21.74	0.52
1/16/2008	1055	MNPL-MPL-MPL-019-0108	MPL19	191.02	3804.51	0.299	5.17	-16.1	7.78	16.5	8.47
1/15/2008	1355	MNPL-MPL-MPL-020-0108	MPL20	190.26	3806.46	0.617	6.52	-3.4	7.7	17.96	1.39
1/29/2008	1043	MNPL-MPL-MPL-021-0108	MPL21	187.57	3804.81	0.288	4.74	-23.9	7.86	15.63	2.34
1/29/2008	1537	MNPL-MPL-MPL-022-0108	MPL22	186.34	3806.81	0.198	3.49	-24.6	8.58	18.72	1.09
1/11/2008	1325	MNPL-MPL-MPL-023-0108	MPL23	239.79	3806.69	0.289	3.8	-23.3	7.76	17.61	1.53
1/14/2008	1302	MNPL-MPL-MPL-024-0108	MPL24	236.14	3811.98	0.425	6.58	-14.9	7.64	19.37	5.54
1/31/2008	1401	MNPL-MPL-MPL-025-0108	MPL25	253.07	3824.81	0.424	5.6	-19.8	7.83	17.88	0.2
1/17/2008	1500	MNPL-MPL-MPL-026-0108	MPL26	212.12	3885.77	1.401	7.28	-13.3	7.41	18.55	3.54
1/7/2008	1345	MNPL-MPL-MPL-028-0108	MPL28	181.83	3806.29	0.73	5.36	13.3	7.74	20.96	0.74
1/7/2008	1048	MNPL-MPL-MPL-029-0108	MPL29	212.79	3808.23	0.695	4.25	3.9	7.38	21.04	1.91
12/28/2007	1200	MNPL-MPL-MPL-030-1207	MPL30	197.52	3804.66	0.633	4.82	8.4	7.57	17.19	2.06
1/28/2008	1135	SGTP-6678-SMW-001-0108	SMW01	208.31	3874.67	0.309	6.1	-20.2	7.25	18.2	19.8
12/17/2007	1305	SGTP-6678-SMW-004-1207	SMW04	251.74	3816.79	0.33	5.02	21.8	7.14	15.08	1.12
1/10/2008	1515	MNPL-MPL-T-040-0108	T40	125.63	3800.95	0.359	5.33	-5.6	7.8	20.24	3.33

Former STP Percolation Ditches
Winter 2008

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Standard**
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Amenable Cyanide	0.000829	0.01	**0.248**	mg/L	0.2
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Amenable Cyanide	0.000829	0.01	**0.241**	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Amenable Cyanide	0.000829	0.01	**0.394**	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Amenable Cyanide	0.000829	0.01	**0.483**	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Amenable Cyanide	0.000829	0.01	0.149	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Amenable Cyanide	0.000829	0.01	**0.354**	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Amenable Cyanide	0.000829	0.01	0.169	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Amenable Cyanide	0.000829	0.01	0.099	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Amenable Cyanide	0.000829	0.01	0.084	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Amenable Cyanide	0.000829	0.01	0.032	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Amenable Cyanide	0.000829	0.01	**0.338**	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Amenable Cyanide	0.000829	0.01	0.155	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Amenable Cyanide	0.000829	0.01	**0.226**	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Amenable Cyanide	0.000829	0.01	**0.257**	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Amenable Cyanide	0.000829	0.01	**0.258**	mg/L	
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Ammonia-N	0.56	1	1.62	mg/L	— ****
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Ammonia-N	0.56	1	3.16	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Ammonia-N	0.56	1	1.18	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Bicarbonate Alkalinity	4	4	80	mg/L***	—
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Bicarbonate Alkalinity	4	4	88	mg/L***	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Bicarbonate Alkalinity	4	4	105	mg/L***	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Bicarbonate Alkalinity	4	4	124	mg/L***	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Bicarbonate Alkalinity	4	4	78	mg/L***	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Bicarbonate Alkalinity	4	4	84	mg/L***	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Bicarbonate Alkalinity	4	4	118	mg/L***	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Bicarbonate Alkalinity	4	4	72	mg/L***	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Bicarbonate Alkalinity	4	4	70	mg/L***	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Bicarbonate Alkalinity	4	4	78	mg/L***	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Bicarbonate Alkalinity	4	4	74	mg/L***	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Bicarbonate Alkalinity	4	4	90	mg/L***	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Bicarbonate Alkalinity	4	4	78	mg/L***	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Bicarbonate Alkalinity	4	4	73	mg/L***	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Bicarbonate Alkalinity	4	4	84	mg/L***	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Bicarbonate Alkalinity	4	4	44	mg/L***	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Bicarbonate Alkalinity	4	4	78	mg/L***	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Bicarbonate Alkalinity	4	4	72	mg/L***	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Bicarbonate Alkalinity	4	4	84	mg/L***	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Bicarbonate Alkalinity	4	4	60	mg/L***	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Bicarbonate Alkalinity	4	4	88	mg/L***	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Bicarbonate Alkalinity	4	4	146	mg/L***	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Bicarbonate Alkalinity	4	4	98	mg/L***	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Bicarbonate Alkalinity	4	4	76	mg/L***	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Bicarbonate Alkalinity	4	4	80	mg/L***	
MNPL-MPL-T-040-0108	1/10/2008	T40	Bicarbonate Alkalinity	4	4	114	mg/L***	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Chloride	0.1711	2	32	mg/L	250
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Chloride	0.1711	2	53.3	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Chloride	0.1711	2	54.1	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Chloride	0.1711	2	57.5	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Chloride	0.1711	2	63.8	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Chloride	0.1711	2	15.4	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Chloride	0.1711	2	85.4	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Chloride	0.1711	2	40.1	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Chloride	0.1711	2	30	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Chloride	0.172	0.5	30.6	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Chloride	0.1711	2	37.6	mg/L	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Chloride	0.1711	2	12	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Chloride	0.1711	2	13.4	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Chloride	0.1711	2	68.2	mg/L	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Chloride	0.172	0.5	14.6	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Chloride	0.172	0.5	15.8	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Chloride	0.1711	2	11.6	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Chloride	0.1711	2	38.1	mg/L	

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Standard**
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Chloride	0.172	0.5	41.3	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Chloride	0.1711	2	193	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Chloride	0.1711	2	76.4	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Chloride	0.1711	2	49.4	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Chloride	0.1711	2	59.5	mg/L	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Chloride	0.172	0.5	18.1	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Chloride	0.1711	2	18	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Chloride	0.1711	2	23	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Fluoride	0.0434	0.2	0.33	mg/L	1.6
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Fluoride	0.0434	0.2	0.22	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Fluoride	0.0434	0.2	0.26	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Fluoride	0.0434	0.2	0.23	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Fluoride	0.0434	0.2	0.39	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Fluoride	0.0434	0.2	0.4	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Fluoride	0.0434	0.2	0.25	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Fluoride	0.0434	0.2	0.34	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Fluoride	0.0434	0.2	0.39	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Fluoride	0.119	0.2	**1.95**	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Fluoride	0.0434	0.2	**4.09**	mg/L	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Fluoride	0.0434	0.2	0.4	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Fluoride	0.0434	0.2	0.41	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Fluoride	0.0434	0.2	0.3	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Fluoride	0.119	0.2	1	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Fluoride	0.0434	0.2	0.42	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Fluoride	0.0434	0.2	0.33	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Fluoride	0.0434	0.2	0.32	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Fluoride	0.0434	0.2	0.3	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Fluoride	0.0434	0.2	0.26	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Fluoride	0.0434	0.2	0.37	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Fluoride	0.0434	0.2	0.41	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Fluoride	0.0434	0.2	0.27	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Free Cyanide	0.005	0.01	0.015	mg/L	0.2
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Free Cyanide	0.005	0.01	0.01	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Free Cyanide	0.005	0.01	0.028	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Free Cyanide	0.005	0.01	0.014	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Free Cyanide	0.005	0.01	0.017	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Nitrate and Nitrite as N	0.0124	0.1	4.17	mg/L	10
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Nitrate and Nitrite as N	0.0124	0.1	3.18	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Nitrate and Nitrite as N	0.0124	0.1	5.38	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Nitrate and Nitrite as N	0.0124	0.1	8.61	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Nitrate and Nitrite as N	0.0124	0.1	3.84	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Nitrate and Nitrite as N	0.0124	0.1	1.67	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Nitrate and Nitrite as N	0.0124	0.1	3.54	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Nitrate and Nitrite as N	0.0124	0.1	2.68	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Nitrate and Nitrite as N	0.0124	0.1	4.7	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Nitrate and Nitrite as N	0.0124	0.1	3.08	mg/L	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Nitrate and Nitrite as N	0.0124	0.1	1.16	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Nitrate and Nitrite as N	0.0124	0.1	1.55	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Nitrate and Nitrite as N	0.0124	0.1	6.73	mg/L	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Nitrate and Nitrite as N	0.0124	0.1	1.34	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Nitrate and Nitrite as N	0.0124	0.1	0.6	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Nitrate and Nitrite as N	0.0124	0.1	1.13	mg/L	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Nitrate and Nitrite as N	0.0124	0.1	3.87	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Nitrate and Nitrite as N	0.0124	0.1	8.04	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Nitrate and Nitrite as N	0.0124	0.1	6.47	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Nitrate and Nitrite as N	0.0124	0.1	4.67	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Nitrate and Nitrite as N	0.0124	0.1	3.63	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Nitrate and Nitrite as N	0.0124	0.1	2.29	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Nitrate and Nitrite as N	0.0124	0.1	1.68	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	pH			7.83	s.u.	6 — 9
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	pH			7.68	s.u.	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	pH			7.61	s.u.	

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Standard**
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	pH			7.53	s.u.	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	pH			7.71	s.u.	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	pH			7.81	s.u.	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	pH			7.58	s.u.	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	pH			7.78	s.u.	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	pH			7.85	s.u.	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	pH			7.75	s.u.	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	pH			7.76	s.u.	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	pH			7.85	s.u.	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	pH			7.84	s.u.	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	pH			7.66	s.u.	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	pH			7.88	s.u.	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	pH			8.49	s.u.	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	pH			7.86	s.u.	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	pH			7.68	s.u.	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	pH			7.68	s.u.	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	pH			7.38	s.u.	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	pH			7.75	s.u.	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	pH			7.49	s.u.	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	pH			7.8	s.u.	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	pH			7.11	s.u.	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	pH			7.27	s.u.	
MNPL-MPL-T-040-0108	1/10/2008	T40	pH			7.61	s.u.	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Specific Conductance			416	µmhos/cm	—
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Specific Conductance			563	µmhos/cm	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Specific Conductance			699	µmhos/cm	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Specific Conductance			815	µmhos/cm	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Specific Conductance			549	µmhos/cm	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Specific Conductance			320	µmhos/cm	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Specific Conductance			901	µmhos/cm	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Specific Conductance			530	µmhos/cm	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Specific Conductance			400	µmhos/cm	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Specific Conductance			482	µmhos/cm	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Specific Conductance			452	µmhos/cm	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Specific Conductance			310	µmhos/cm	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Specific Conductance			330	µmhos/cm	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Specific Conductance			674	µmhos/cm	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Specific Conductance			319	µmhos/cm	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Specific Conductance			218	µmhos/cm	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Specific Conductance			318	µmhos/cm	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Specific Conductance			463	µmhos/cm	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Specific Conductance			469	µmhos/cm	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Specific Conductance			1530	µmhos/cm	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Specific Conductance			793	µmhos/cm	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Specific Conductance			757	µmhos/cm	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Specific Conductance			691	µmhos/cm	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Specific Conductance			336	µmhos/cm	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Specific Conductance			358	µmhos/cm	
MNPL-MPL-T-040-0108	1/10/2008	T40	Specific Conductance			390	µmhos/cm	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Sulfate	0.1623	1	42.4	mg/L	600
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Sulfate	0.1623	1	75.5	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Sulfate	0.1623	1	118	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Sulfate	0.1623	1	144	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Sulfate	0.1623	1	54.4	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Sulfate	0.1623	1	36.3	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Sulfate	0.1623	1	141	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Sulfate	0.1623	1	85	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Sulfate	0.1623	1	50.4	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Sulfate	0.777	1	**7810**	mg/L [probable interference]	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Sulfate	0.1623	1	51.1	mg/L	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Sulfate	0.1623	1	33.3	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Sulfate	0.1623	1	46.6	mg/L	

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Standard**
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Sulfate	0.1623	1	106	mg/L	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Sulfate	0.777	1	45.2	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Sulfate	0.777	1	30.9	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Sulfate	0.1623	1	46.5	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Sulfate	0.1623	1	63.4	mg/L	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Sulfate	0.777	1	50.6	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Sulfate	0.1623	1	419	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Sulfate	0.1623	1	136	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Sulfate	0.1623	1	124	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Sulfate	0.1623	1	106	mg/L	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Sulfate	0.777	1	55.4	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Sulfate	0.1623	1	48.8	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Sulfate	0.1623	1	33.1	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Alkalinity	2.38	4	80	mg/L***	—
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Total Alkalinity	2.38	4	88	mg/L***	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Total Alkalinity	2.38	4	105	mg/L***	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Total Alkalinity	2.38	4	124	mg/L***	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Total Alkalinity	2.38	4	78	mg/L***	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Total Alkalinity	2.38	4	84	mg/L***	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Total Alkalinity	2.38	4	118	mg/L***	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Total Alkalinity	2.38	4	72	mg/L***	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Total Alkalinity	2.38	4	70	mg/L***	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Total Alkalinity	2.38	4	78	mg/L***	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Alkalinity	2.38	4	74	mg/L***	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Total Alkalinity	2.38	4	90	mg/L***	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Total Alkalinity	2.38	4	78	mg/L***	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Total Alkalinity	2.38	4	73	mg/L***	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Total Alkalinity	2.38	4	84	mg/L***	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Total Alkalinity	2.38	4	44	mg/L***	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Total Alkalinity	2.38	4	78	mg/L***	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Total Alkalinity	2.38	4	72	mg/L***	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Total Alkalinity	2.38	4	84	mg/L***	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Total Alkalinity	2.38	4	60	mg/L***	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Total Alkalinity	2.38	4	88	mg/L***	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Total Alkalinity	2.38	4	146	mg/L***	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Alkalinity	2.38	4	98	mg/L***	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Total Alkalinity	2.38	4	76	mg/L***	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Total Alkalinity	2.38	4	80	mg/L***	
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Alkalinity	2.38	4	114	mg/L***	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Barium	0.0006	0.001	0.101	mg/L	1.0
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Total Barium	0.0006	0.001	0.071	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Total Barium	0.0006	0.001	0.048	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Total Barium	0.0006	0.001	0.076	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Total Barium	0.0006	0.001	0.124	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Total Barium	0.0006	0.001	0.099	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Total Barium	0.0006	0.001	0.055	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Total Barium	0.0006	0.001	0.12	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Total Barium	0.0006	0.001	0.091	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Total Barium	0.0006	0.001	0.073	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Barium	0.0006	0.001	0.066	mg/L	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Total Barium	0.0006	0.001	0.132	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Total Barium	0.0006	0.001	0.081	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Total Barium	0.0006	0.001	0.071	mg/L	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Total Barium	0.0006	0.001	0.052	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Total Barium	0.0006	0.001	0.057	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Total Barium	0.0006	0.001	0.02	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Total Barium	0.0006	0.001	0.102	mg/L	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Total Barium	0.0006	0.001	0.066	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Total Barium	0.0006	0.001	0.064	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Total Barium	0.0006	0.001	0.081	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Total Barium	0.0006	0.001	0.053	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Barium	0.0006	0.001	0.115	mg/L	

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Standard**
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Total Barium	0.0006	0.001	0.084	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Total Barium	0.002	0.01	0.077	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Barium	0.0006	0.001	0.137	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Total Beryllium	0.0011	0.002	**0.004**	mg/L	0.004 *****
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Total Beryllium	0.0011	0.002	0.002	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Chromium	0.0005	0.001	0.003	mg/L	0.05
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Total Chromium	0.0005	0.001	0.003	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Chromium	0.0005	0.001	0.002	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Total Chromium	0.0005	0.001	0.004	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Total Chromium	0.0005	0.001	0.008	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Chromium	0.0005	0.001	0.008	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Chromium	0.0005	0.001	0.011	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Cyanide	0.0103	0.015	**0.248**	mg/L	0.2
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Total Cyanide	0.0103	0.015	**0.241**	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Total Cyanide	0.0103	0.015	**0.404**	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Total Cyanide	0.0103	0.015	**0.483**	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Total Cyanide	0.0103	0.015	0.149	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Total Cyanide	0.0103	0.015	**0.354**	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Total Cyanide	0.0103	0.015	0.182	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Total Cyanide	0.0103	0.015	0.099	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Total Cyanide	0.0103	0.015	0.116	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Cyanide	0.0103	0.015	0.032	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Total Cyanide	0.0103	0.015	**0.338**	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Total Cyanide	0.0103	0.015	0.174	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Total Cyanide	0.0103	0.015	**0.246**	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Total Cyanide	0.0103	0.015	**0.257**	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Cyanide	0.0103	0.015	**0.258**	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Dissolved Solids	5	5	272	mg/L	1,000
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Total Dissolved Solids	5	5	350	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Total Dissolved Solids	5	5	440	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Total Dissolved Solids	5	5	530	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Total Dissolved Solids	5	5	342	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Total Dissolved Solids	5	5	222	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Total Dissolved Solids	5	5	566	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Total Dissolved Solids	5	5	342	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Total Dissolved Solids	5	5	266	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Total Dissolved Solids	5	5	336	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Dissolved Solids	5	5	284	mg/L	
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Total Dissolved Solids	5	5	226	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Total Dissolved Solids	5	5	218	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Total Dissolved Solids	5	5	422	mg/L	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Total Dissolved Solids	5	5	198	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Total Dissolved Solids	5	5	192	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Total Dissolved Solids	5	5	190	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Total Dissolved Solids	5	5	296	mg/L	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Total Dissolved Solids	5	5	320	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Total Dissolved Solids	5	5	**1,180**	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Total Dissolved Solids	5	5	472	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Total Dissolved Solids	5	5	490	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Dissolved Solids	5	5	434	mg/L	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Total Dissolved Solids	5	5	240	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Total Dissolved Solids	5	5	184	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Dissolved Solids	5	5	254	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Total Nickel	0.000598	0.01	0.102	mg/L	0.2
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Nickel	0.0013	0.005	0.024	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Vanadium	0.0005	0.005	0.005	mg/L	—
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Total Vanadium	0.0005	0.005	0.005	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Total Vanadium	0.0005	0.005	0.006	mg/L	
MNPL-MPL-MPL-006-0108	1/9/2008	MPL06	Total Vanadium	0.0005	0.005	0.006	mg/L	
MNPL-MPL-MPL-013-0108	1/9/2008	MPL13	Total Vanadium	0.0005	0.005	0.005	mg/L	
MNPL-MPL-MPL-016-0108	1/24/2008	MPL16	Total Vanadium	0.0005	0.005	0.006	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Vanadium	0.0005	0.005	0.006	mg/L	

Field Sample ID	Date Collected	Well Name	Analyte Name	Detection Limit	Reporting Limit	Result	Units	Standard**
MNPL-MPL-MPL-018-0108	1/9/2008	MPL18	Total Vanadium	0.0005	0.005	0.008	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Total Vanadium	0.0005	0.005	0.008	mg/L	
MNPL-MPL-MPL-021-0108	1/29/2008	MPL21	Total Vanadium	0.0005	0.005	0.009	mg/L	
MNPL-MPL-MPL-022-0108	1/29/2008	MPL22	Total Vanadium	0.0005	0.005	0.012	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Total Vanadium	0.0005	0.005	0.008	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Total Vanadium	0.0005	0.005	0.005	mg/L	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Total Vanadium	0.0005	0.005	0.005	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Total Vanadium	0.0005	0.005	0.005	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Vanadium	0.0005	0.005	0.006	mg/L	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Total Vanadium	0.0005	0.005	0.06	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Vanadium	0.0005	0.005	0.008	mg/L	
MNPL-MPL-MPL-001-0108	1/8/2008	MPL01	Total Zinc	0.0021	0.005	0.009	mg/L	10
MNPL-MPL-MPL-002-1207	12/19/2007	MPL02	Total Zinc	0.0021	0.005	0.005	mg/L	
MNPL-MPL-MPL-003-0108*	1/8/2008	MPL03	Total Zinc	0.0021	0.005	0.008	mg/L	
MNPL-MPL-MPL-004-0108	1/17/2008	MPL04	Total Zinc	0.0021	0.005	0.005	mg/L	
MNPL-MPL-MPL-005-0108	1/8/2008	MPL05	Total Zinc	0.0021	0.005	0.018	mg/L	
MNPL-MPL-MPL-007-1207	12/19/2007	MPL07	Total Zinc	0.0021	0.005	0.006	mg/L	
MNPL-MPL-MPL-010-0108	1/10/2008	MPL10	Total Zinc	0.0021	0.005	0.006	mg/L	
MNPL-MPL-MPL-017-1207	12/27/2007	MPL17	Total Zinc	0.0021	0.005	0.006	mg/L	
MNPL-MPL-MPL-019-0108	1/16/2008	MPL19	Total Zinc	0.0021	0.005	0.005	mg/L	
MNPL-MPL-MPL-020-0108*	1/15/2008	MPL20	Total Zinc	0.0021	0.005	0.007	mg/L	
MNPL-MPL-MPL-023-0108*	1/11/2008	MPL23	Total Zinc	0.0021	0.005	0.01	mg/L	
MNPL-MPL-MPL-024-0108	1/14/2008	MPL24	Total Zinc	0.0021	0.005	0.009	mg/L	
MNPL-MPL-MPL-025-0108	1/30/2008	MPL25	Total Zinc	0.0021	0.005	0.026	mg/L	
MNPL-MPL-MPL-026-0108	1/17/2008	MPL26	Total Zinc	0.0021	0.005	0.005	mg/L	
MNPL-MPL-MPL-028-0108	1/7/2008	MPL28	Total Zinc	0.0021	0.005	0.011	mg/L	
MNPL-MPL-MPL-029-0108	1/7/2008	MPL29	Total Zinc	0.0021	0.005	0.006	mg/L	
MNPL-MPL-MPL-030-1207	12/28/2007	MPL30	Total Zinc	0.0021	0.005	0.006	mg/L	
SGTP-6678-SMW-001-0108	1/28/2008	SMW01	Total Zinc	0.0021	0.005	0.012	mg/L	
SGTP-6678-SMW-004-1207	12/17/2007	SMW04	Total Zinc	0.005455	0.005	0.026	mg/L	
MNPL-MPL-T-040-0108	1/10/2008	T40	Total Zinc	0.0021	0.005	0.007	mg/L	

* Mean of Duplicate analyses
** 20.6.2.3103 NMAC, except as noted
*** mg/L as CaCo3
**** — No standard

APPENDIX D

Inspection Reports

North Oscura Peak
Rhodes Canyon
Temperature Test Facility

VEGETATION AND SOIL RECOVERY AT THE NORTH OSCURA PEAK (NOP) LANDFILL CLOSURE ESTIMATED AND ASSESSED ON SEPTEMBER 26, 2007

David Lee Anderson, Land Manager, Environment and Safety Directorate, DTC-WS-ES-ES

- The elevation at the NOP Landfill is 7740 ft. = 2359 m.
- The matrix vegetation type surrounding the landfill area is dense Pinyon-Juniper Woodland.
- The original vegetation type at the landfill was Western Wheatgrass Meadow.

The excavation and removal of most man-made materials at the NOP Landfill was accomplished in 2002. This two-plus acre plot was recontoured after excavation and returned to a 100% bare soil situation at the end of the 2002 vegetative growth cycle. In response to the question as to whether this surface should be reseeded or not, I suggested at the time that artificial reseeding would not be needed due to the fact that at least two native species of grasses already on-site would gradually stabilize the soil. Those two species are Western wheatgrass (Elymus smithii), a rhizomatous cool season grass and Shaggy brome (Bromus lanatipes), a cool-season bunch grass.

Since then, two estimates were completed: the first on 2 October 2006, and the second on 26 September 2007. The following table shows the estimates per species and for bare ground. The methodology used for these figures was the same in both years: twenty-five Daubenmire quadrats (0.2 X 0.5 m) were placed every 9 m along randomly selected lines across the landfill area.

COMPARATIVE TABLE SHOWING SHIFTS IN SPECIES COMPOSITION AND CHANGES IN BARE GROUND, TOTAL COVER, ANNUAL COVER AND PERENNIAL COVER, 2006 vs. 2007

SPECIES ENCOUNTERED	% FREQUENCY (*)		% COVER	
	2006	2007	2006	2007
Western wheatgrass	28	24	16.3	7.8
Cow-pen daisy	68	0	11.3	0
Curly-cup gumweed	24	96	5.8	31.4
Verbena	56	76	5.8	6.8
Ragweed	20	28	5.2	2.7
Russian thistle	28	0	4.1	0
David's spurge	8	0	2.1	0
Sunflower	8	0	2.1	0
Canyon sage	24	0	1.6	0
Carless weed	8	0	0.7	0
Whorled milkweed	4	8	0.1	0.2
Annual spurge	4	0	0.1	0
Broom snakeweed	0	4	0	0.6
Globe mallow	0	4	0	0.1
Bare Ground			25.0	20.8
Total Cover			55.2	49.6
Annual cover			33.1	34.3
Perennial cover			22.1	

* % frequency is the relationship between the total number of quadrats observed and the number of quadrats containing any occurrence of the species.

Dynamics in vegetation and bare ground cover and in individual species and species groups between 2 October 2006 and 26 September 2007 are highlighted in the table.

Bare ground decreased from 25% to 20.8% in one year while total vegetation cover decreased from 55.2% to 49.6%. Dead vegetative litter made up the rest of the cover on this site.

In 2006 the species with the highest cover value was Western wheatgrass with 16.3%. That decreased to 7.8% during the observation year. The other species that I had predicted would make a come-back from the seed bank was Shaggy brome. It has been completely suppressed and hasn't appeared in either year. The reason for this appears to be the strong advance and dominance of Curly-cup gumweed which became the leading species in 2007 with 31.4% cover. At the same time, last year's strong showing by cow-pen daisy decreased from 11.3% to zero. A comparison of the precipitation during the monsoon in both years helps to understand some of the changes.

	2006	2007
July	2.78	2.57
Aug	4.98	2.06
Sept	2.62	1.63
Total	10.38	6.26

The 6.26 inches in 2007 was probably below average and curtailed perennial growth at the expense of annual growth. There was a major change in the dominance of annual species from cow-pen daisy in 2006 to curly-cup gumweed in 2007. In conclusion, the site is still up to 50% of vegetative cover after five years of plant succession. That can be considered as a positive trend as compared to the original 0% in 2002.

INSPECTION AND REVIEW OF THE 2004 RESEEDING EFFORT, NATURAL REVEGETATION AND SOIL EROSION AT THE RHODES CANYON RANGE CENTER LANDFILL CAP

7 AUGUST 2007

David Lee Anderson, Land Manager, WSM-PWEES

1. On the morning of 7 August 2007, David Lee Anderson, Greg Silsby and Amber Bennett made an inspection site visit to the Rhodes Canyon Range Center Landfill which was capped in 2004.

2. The purpose of the visit was to evaluate the effects of the reseeding project prescribed in 2003, describe the natural vegetation recovery, and to evaluate any wind and water caused soil erosion.

3. Hydroseeding with appropriate fertilizer and tackifier took place between 10 and 16 August, 2004 over the approximately 33 acres. Specifications in the contract indicated that the reseeding needed to take place between 15 July and 15 September of 2004 to coincide with the highest probability of rainfall. Species included in the reseed mix were alkali sacaton (Sporobolus airoides), sand dropseed (Sporobolus cryptandrus), mesa dropseed (Sprobolus flexuosus), and four-wing saltbush (Atriplex canescens).

4. Rainfall (in inches) as registered at the nearby Jallen SAMS from January 2004 through February 2005 was as follows. The numbers beginning in March 2005 are interpolations between Salinas Peak and Northrup Strip SAMS due to the fact that the Jallen Station was deactivated at the end of February 2005.

	2004	2005	2006	2007
Jan	0.19	1.15	0	0.52
Feb	0	1.84	0.10	0.46
Mar	0.30	1.00	0.02	0.16
Apr	2.73	0.40	0	0.51
May	0.01	1.00	0.50	
Jun	1.92	0.10	0.55	
Jul	0.47	0.15	2.18	
Aug	2.16	2.00	3.15	
Sep	0.74	1.10	1.75	
Oct	0.92	0.50	2.17	
Nov	1.41	0	0.01	
Dec	0.40	0	0.25	
Total	11.25	9.24	10.68	

5. The 2006 monsoon season developed well above average and greatly favored four-wing saltbush that already had an acceptable start by the second year after hydroseeding. The three grass species included in the original hydroseeding mix have almost disappeared, hanging on only in small quantities. The 2007 monsoon is developing well and this will continue to favor the growth and development of four-wing saltbush.

6. Total vegetative cover for the 33 acres hydroseeded was estimated on this date(7 August 2007) to be 31%. Therefore, biocover increased from only 4% estimated last year to 31% this year. Of the 31%, 30% was four-wing saltbush and 1% was alkali sacaton. No evidence of last year's drought remains. The survey method employed was two boot-tip transects of 375 m in length each with cover observations taken every 7.5 m. Bare soil was estimated at 69%.

7. Other species noticed were narrowleaf pepperweed (Lepidium alyssoides var. angustifolium), African rue (Peganum harmala), and broom snakeweed (Gutierrezia sarothrae) but were never encountered in the survey. Salt cedar has been eradicated by WTS personnel.

8. With the heavy rains in during the last month, rill erosion has increased on the slopes into the pit, but actions taken by WTS to control that erosion will result in benefits. The slopes have been lowered and rock has been installed at te channel rills that were starting to develop. Little by little the lowest part of the pit is filling in and should continue. Revegetation has been very slow at the rim of the pit and along all in-slopes because of the rill erosion. Anything to slow down the runoff will help such as the rock-cribbing installed in July 2007.

9. In summary, I am rating the current vegetative cover on a scale of 1 to 10 (10 being the optimum) at 5, and current erosion on a scale of 1 to 10 (1 being optimum) at 2. I recommend that WTS continue to monitor the erosion and treat it as needed.

10. A new survey will be conducted in November of 2007 to evaluate any changes between now and then. In 2008, I suggest conducting the same type of evaluation survey in July or August and again in November.

Rhodes Canyon Landfill Inspection December 2007

To be completed.

Rhodes Canyon Landfill Inspection Form
Post Closure Care Monitoring of the Soil Cover

Inspections during the post closure care period are to occur semi-annually and shall include, at a minimum, each of the areas listed below. Specific information can be found in the CMI Work Plan for Rhodes Canyon Landfill (WSMR-14, SWMU 114 &115) Report No. WS-ES-EC-0311. Copies of this inspection form are to be kept in a bound notebook located at the WS-ES library and the WTS office.

Date of Inspection: 7/26,27,30/07 **Inspector:** Giorgi Esgueda

	Yes	No
1. Gate closed?	☑	☐
2. Gate locked?	☑	☐
3. If gate not locked, is lock present?	☑	☐
4. Walked fence line and inspected for breaches or deterioration?	☑	☐
5. Inspected landfill cover swale for erosion damage?	☑	☐
6. Inspected surrounding natural drainages for excessive erosion which may impact fence or landfill cap?	☑	☐
7. Has any solid waste been uncovered at the landfill site?	☐	☑

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	☑	☐
b. Gates	☑	☐
c. Signs	☑	☐
d. Fence clear of trash	☑	☐
6. Groundwater monitoring well conditions		
a. Wells locked	☑	☐
b. Concrete pad condition	☑	☐
c. Well covers tight	☑	☐
7. Cap condition		
a. Traffic on cap	☑	☐
b. Excessive weed growth on or around cap (natural vegetation such as grasses and forbs are acceptable and desirable)	☑	☐
c. No visible ponding of precipitation cap	☑	☐
d. Lack of erosion	☑	☐
e. Settlement of cap	☑	☐
f. Animal activity	☑	☐
g. Trash on cap	☑	☐

Inspector's Signature: Giorgi Esgueda

Re-inspection date, if necessary: _____

Rhodes Canyon Landfill Inspection Form
Post Closure Care Monitoring of the Soil Cover

Date of Inspection: 7/26,27,30/07 **Inspector:** Georgi Esquede

Comments: NONE

Actions Taken:

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained in bound notebook at WTS office for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
- ✓ Cap and well repairs will be conducted with the same materials and construction techniques used during the initial construction. Any modifications to these techniques or materials must be approved in writing by the NMED-HWB.

APPENDIX E

USGS Monitoring Reports for OB/OD

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of
Samples Collected January 9 and 10, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
March 2007

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Analytical Results from Severn Trent Services Laboratory for Ground Water Samples Collected January 9 and 10, 2007

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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HAT31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected January 9 and 10, 2007. Wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31-34, 42, 43, 45, 46, 50, 51, and SMR1A (production well for the Small Missile Range) were sampled this round. Total explosives (method SW8330) were analyzed in ground-water samples from wells HTA11, 12, 14, 16, 19, 20, 22-27, 32, and 46. Nitrate plus nitrite (method MCAWW353.2) were analyzed in ground-water samples from wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31, and 32. Perchlorate (method 8321A) was analyzed in ground-water samples from all the wells sampled. Severn Trent Services (STL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the January 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and

11) show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12 through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the January 2007 sampling round are listed below:

Ground water from wells HTA11, HTA14, HTA16, and HTA20 showed the largest RDX concentrations 68 micrograms per liter (µg/L), 38 µg/L, 33 µg/L, and 51 µg/L, respectively (table 1)). RDX concentrations in water from wells HTA19, HTA24, HTA25, HTA26, and HTA46 ranged from 0.24 µg/L (HTA19) to 5.8 µg/L (HTA46).

Ground water from well HTA19 continued to show the largest concentration of nitrate plus nitrite (21 mg/L) (fig. 17). Wells HTA11, HTA18 and HTA28 showed concentrations at or larger than 10 mg/L (table 1).

Ground water from wells HTA16 and HTA20 show the largest concentrations of perchlorate (17 mg/L, respectively).

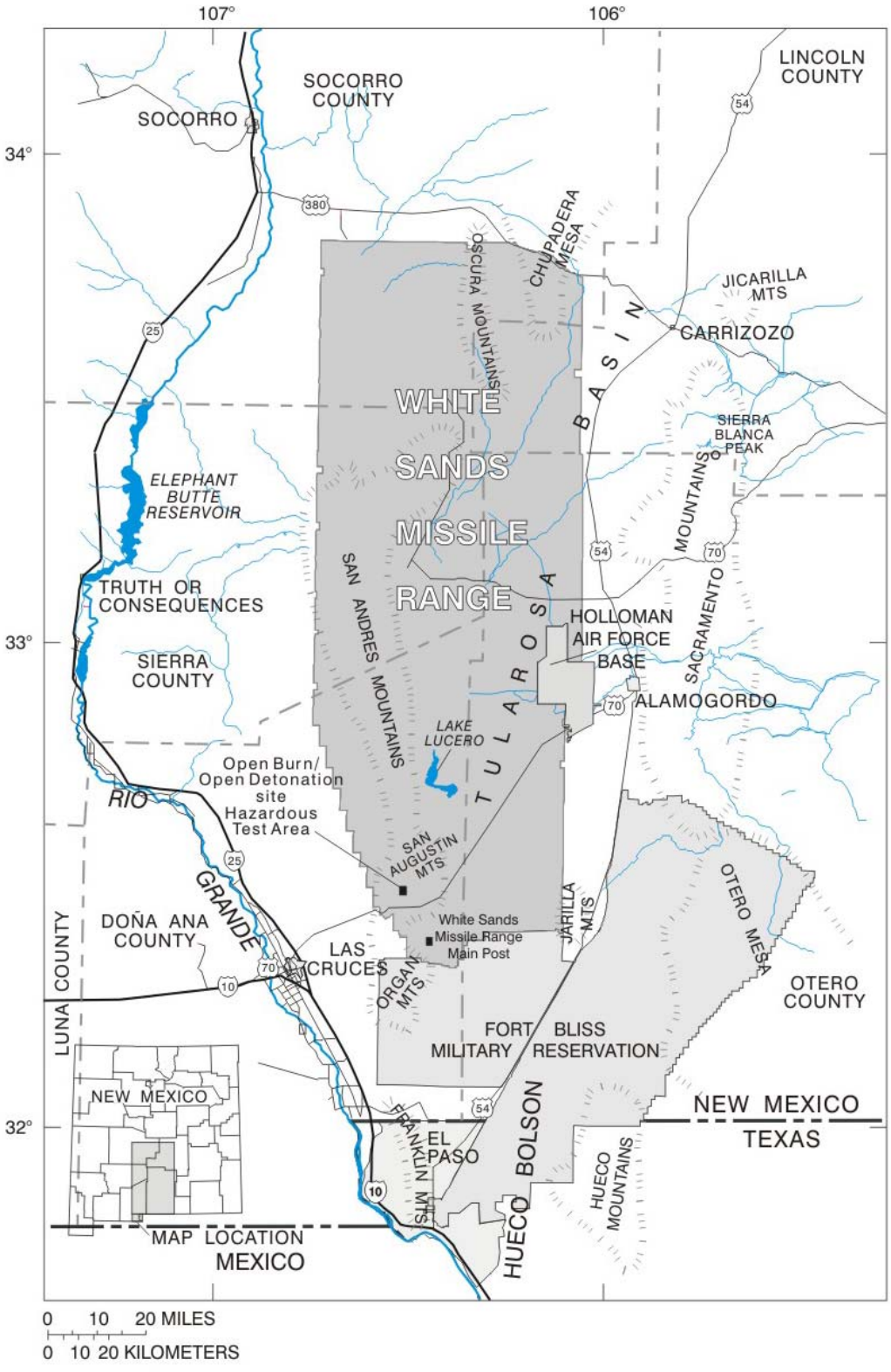


Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

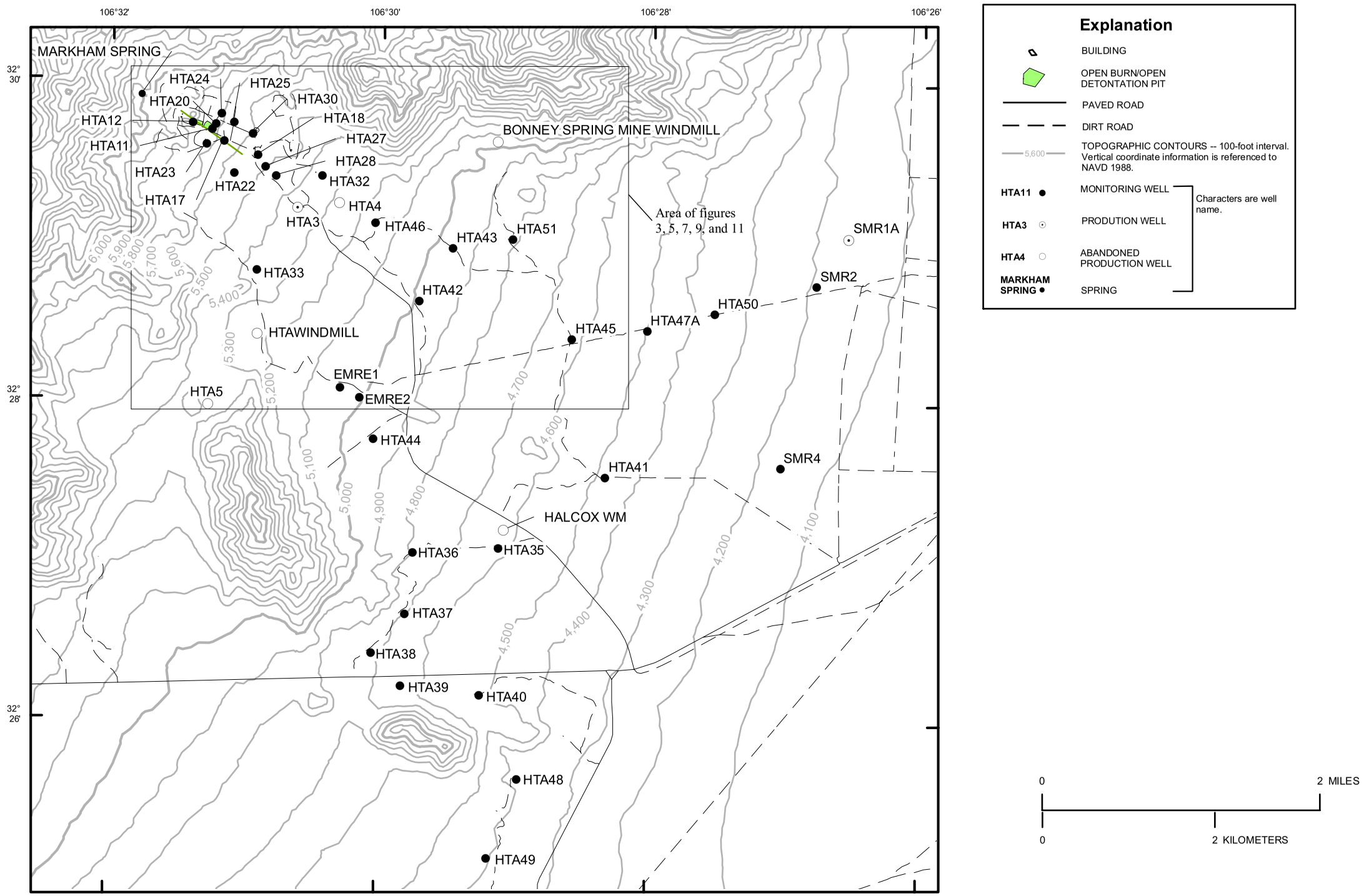


Figure 2. Location of wells at the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

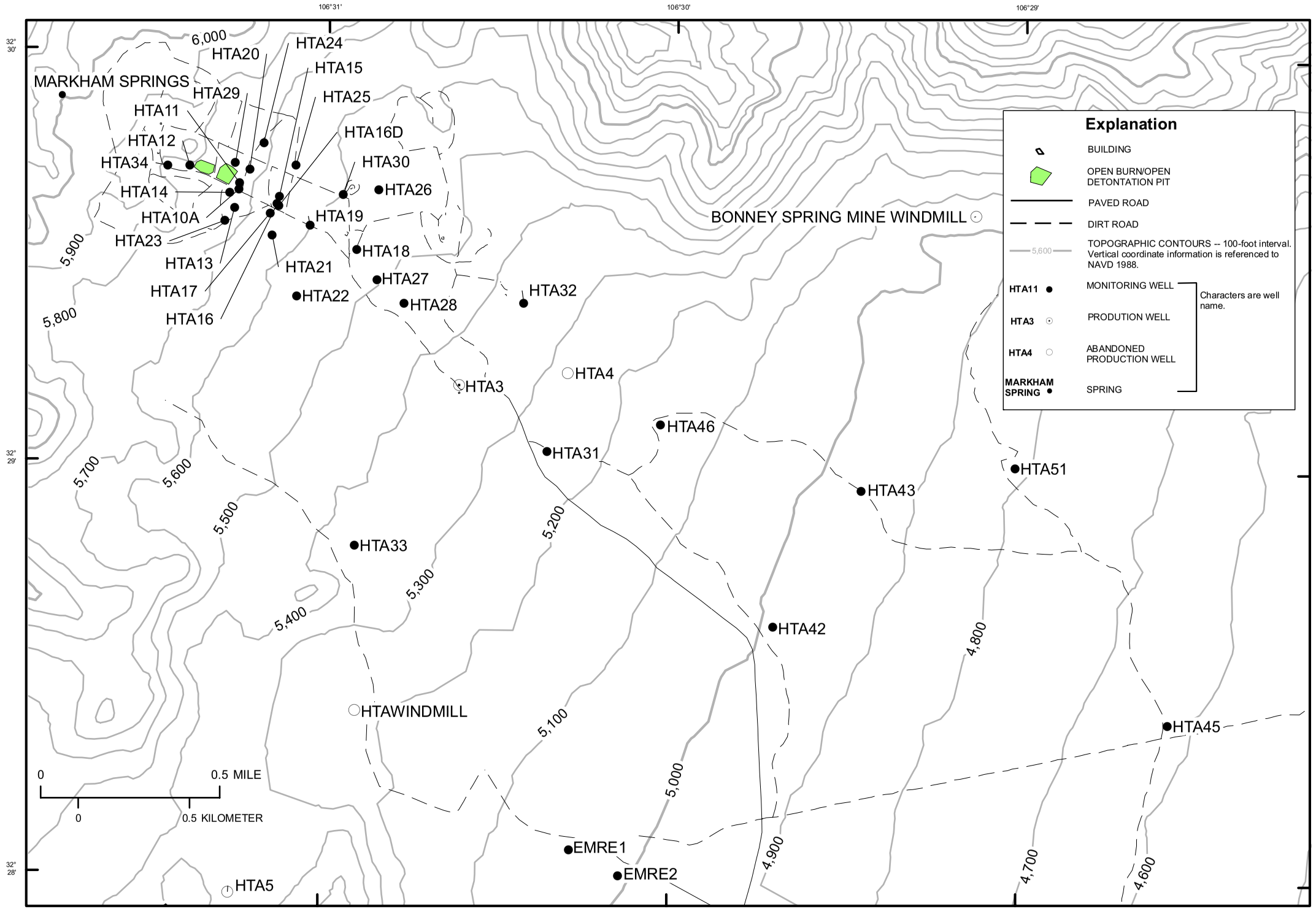


Figure 3. Location of wells at the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

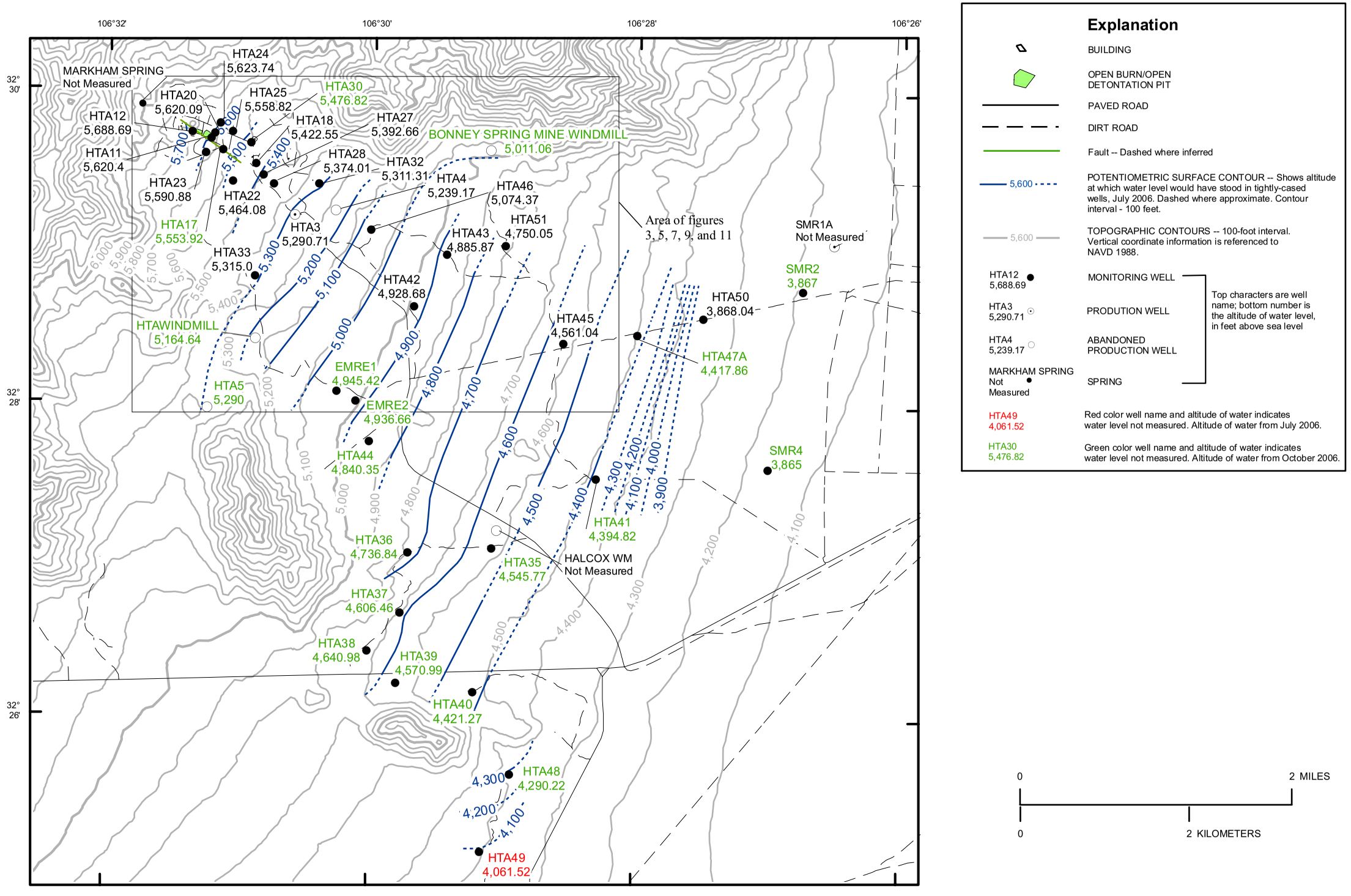


Figure 4. Approximate altitude of the potentiometric surface, January 9 and 10, 2007, in the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

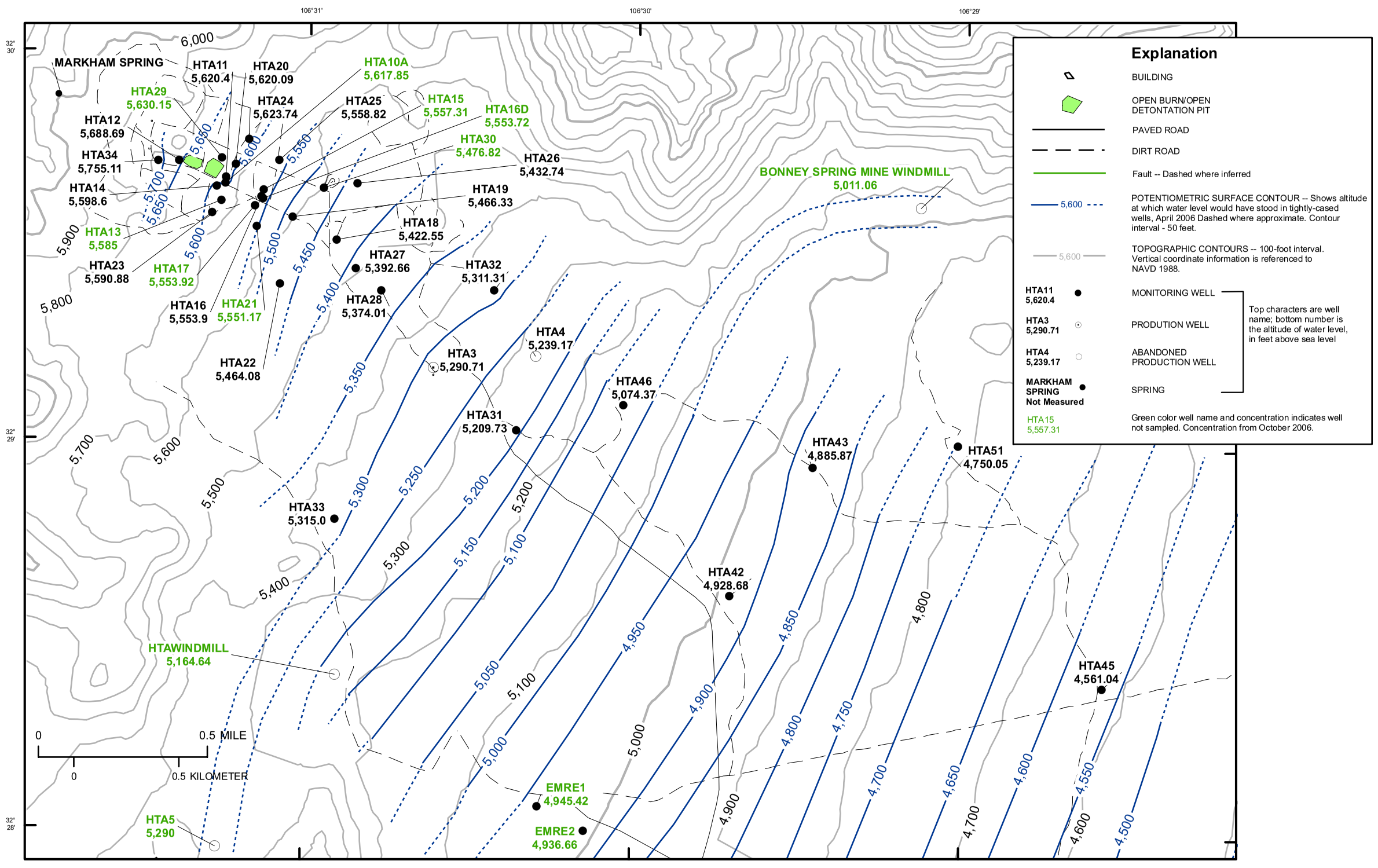
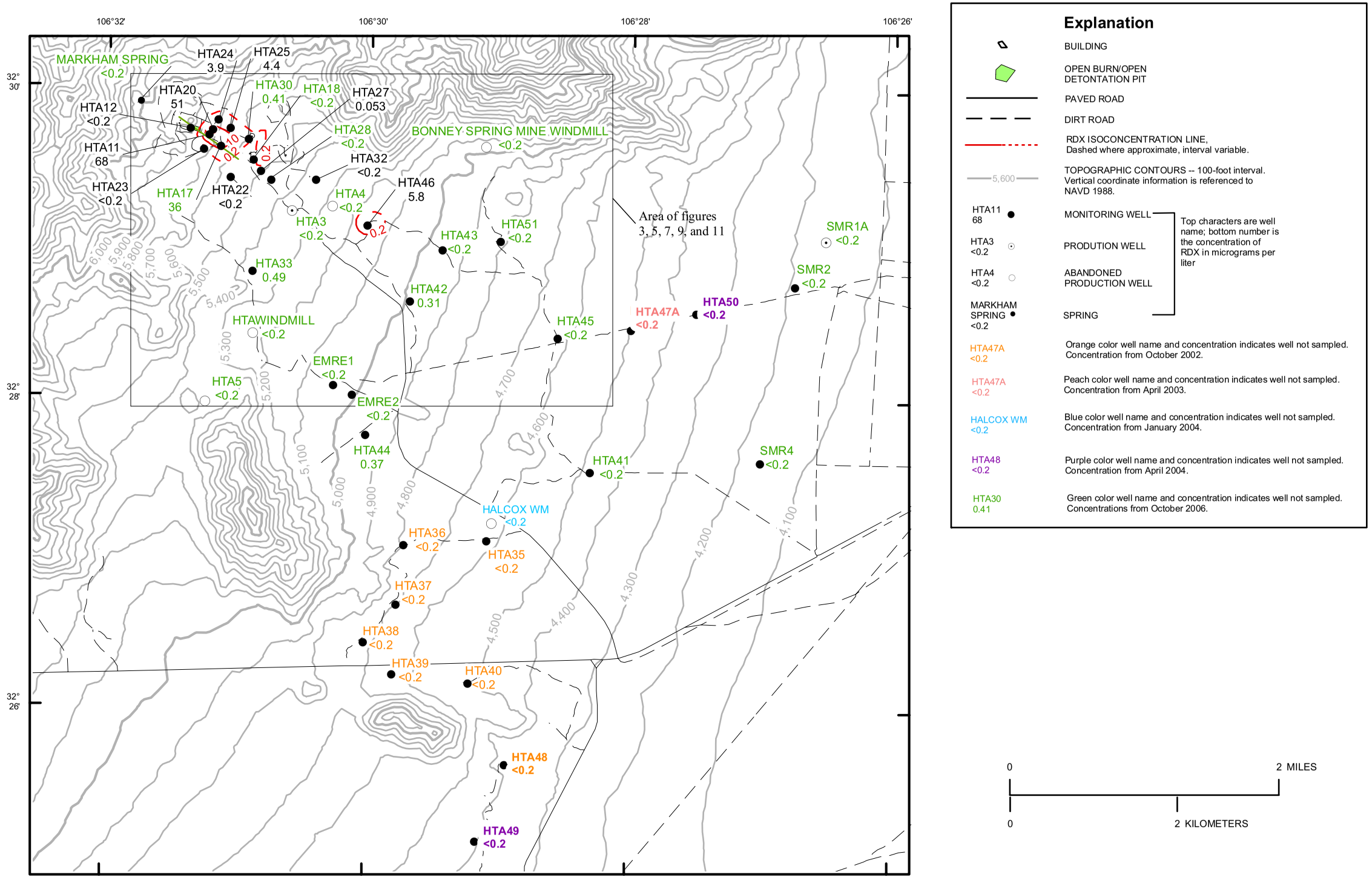


Figure 5. Approximate altitude of the potentiometric surface, January 9 and 10, 2007, in the area downgradient from the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- RDX ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 68 — MONITORING WELL
- HTA3 <0.2 — PRODUTION WELL
- HTA4 <0.2 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING <0.2 — SPRING

Top characters are well name; bottom number is the concentration of RDX in micrograms per liter

- HTA47A <0.2 — Orange color well name and concentration indicates well not sampled. Concentration from October 2002.
- HTA47A <0.2 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HALCOX WM <0.2 — Blue color well name and concentration indicates well not sampled. Concentration from January 2004.
- HTA48 <0.2 — Purple color well name and concentration indicates well not sampled. Concentration from April 2004.
- HTA30 0.41 — Green color well name and concentration indicates well not sampled. Concentrations from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 6. Selected concentrations of RDX in ground water in the Hazardous Test Area, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

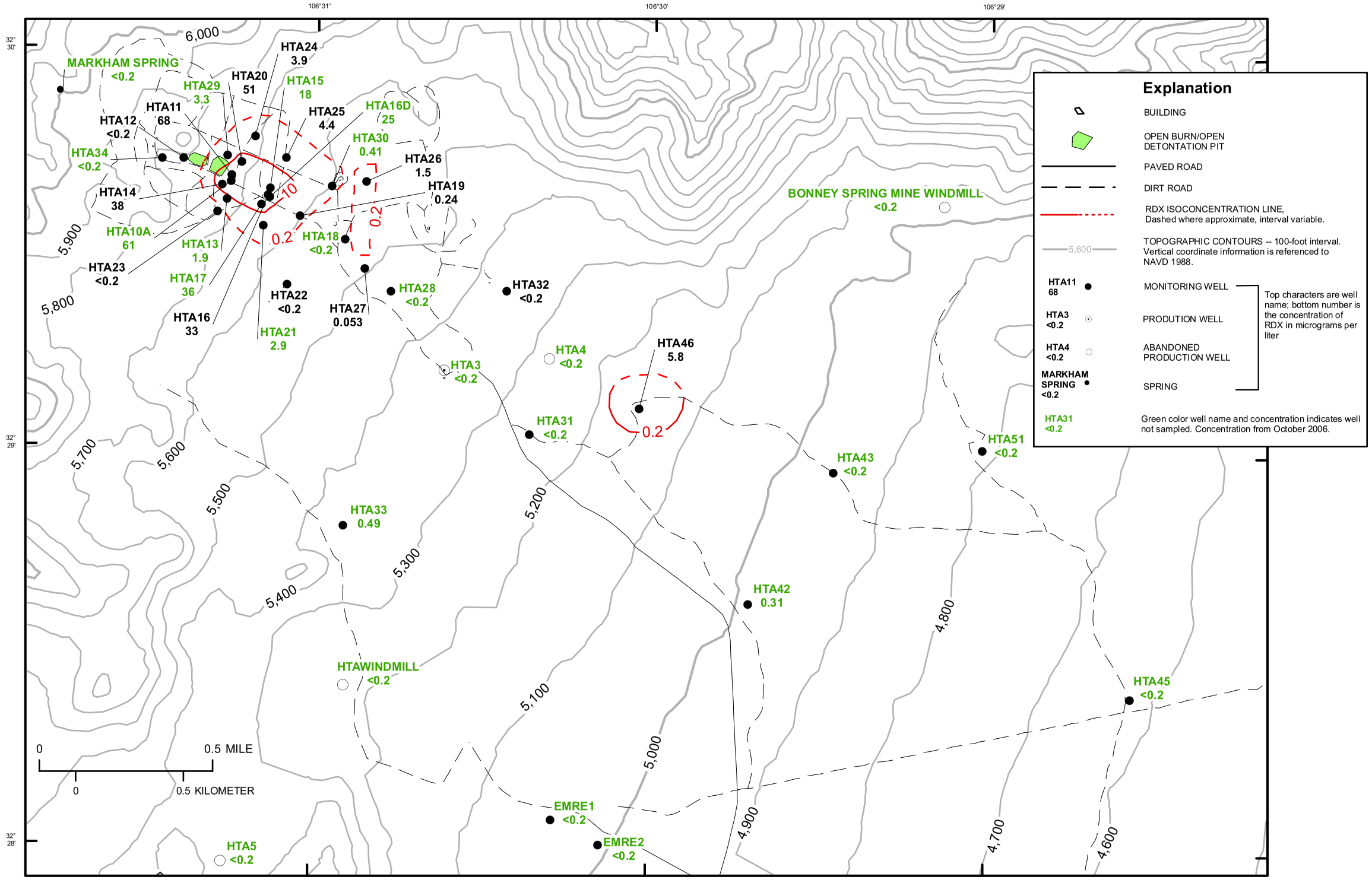
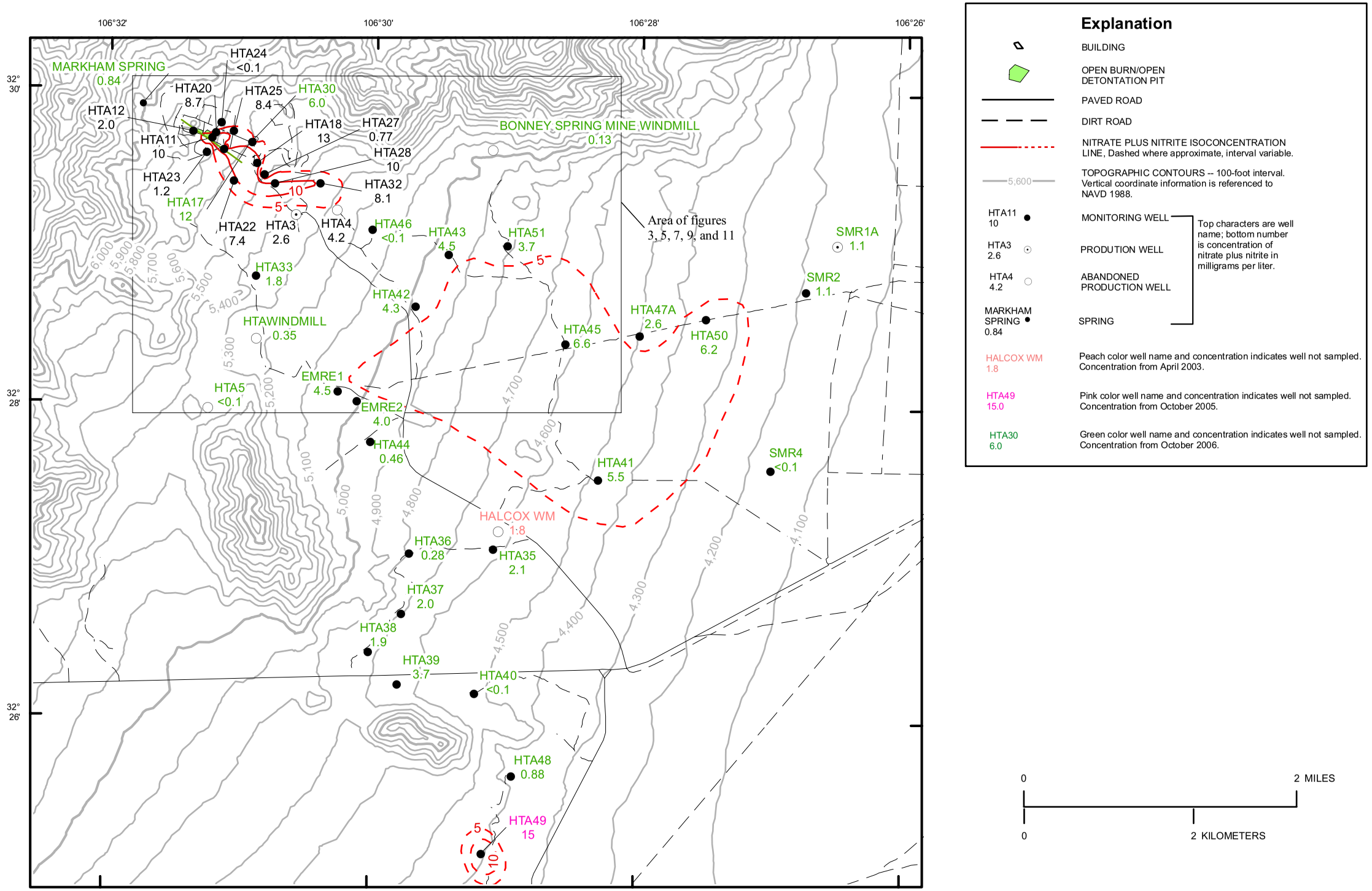


Figure 7. Concentrations of RDX in ground water downgradient from the Open Burn / Open Detonation Unit, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- NITRATE PLUS NITRITE ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 10 — MONITORING WELL
- HTA3 2.6 — PRODUTION WELL
- HTA4 4.2 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.84 — SPRING

Top characters are well name; bottom number is concentration of nitrate plus nitrite in milligrams per liter.

- HALCOX WM 1.8 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HTA49 15.0 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HTA30 6.0 — Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 8. Selected concentrations of nitrate plus nitrite in ground water in the Hazardous Test Area, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

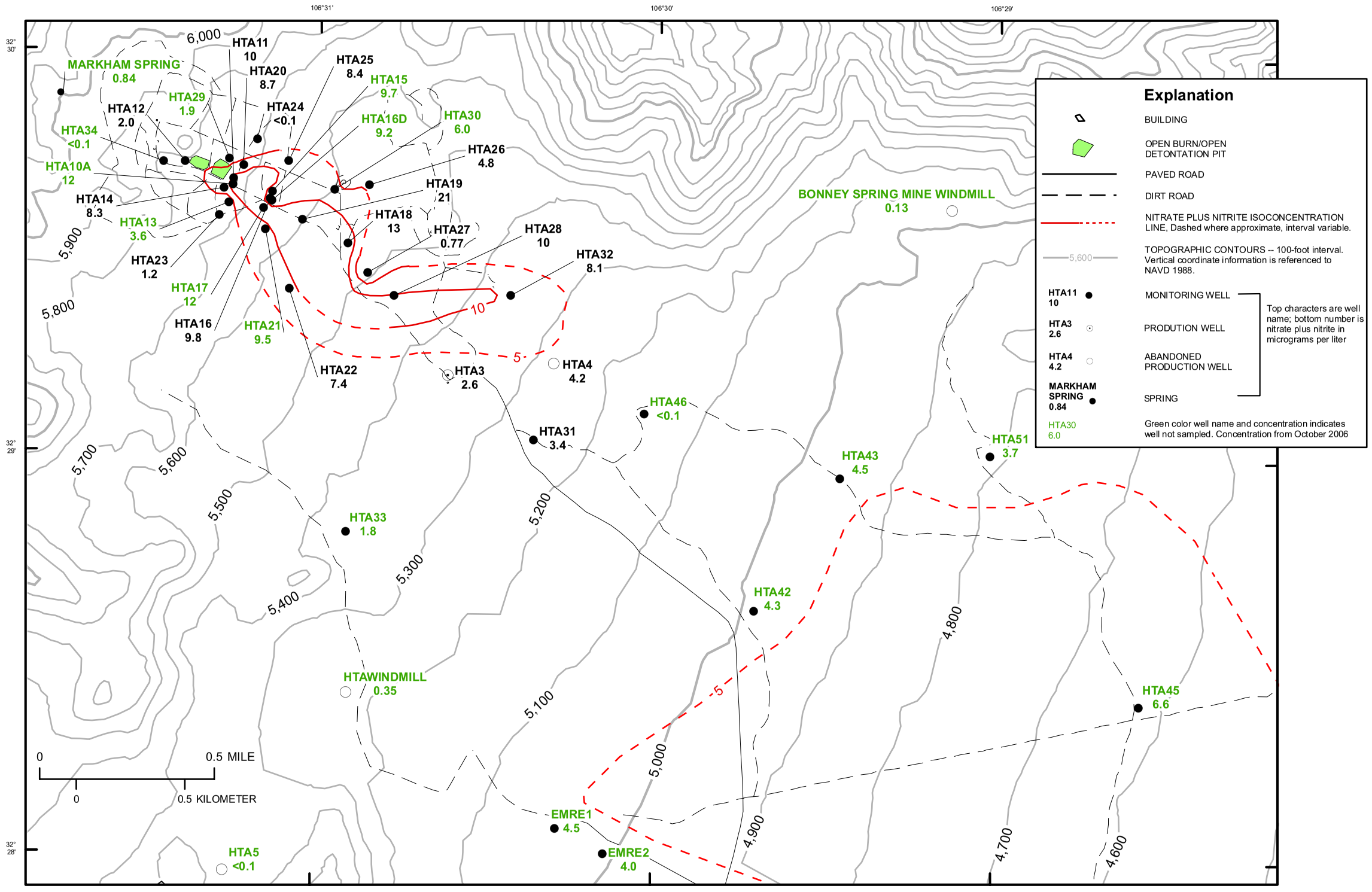


Figure 9. Concentration of nitrate plus nitrite in ground water downgradient from the Open Burn / Open Detonation Unit, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

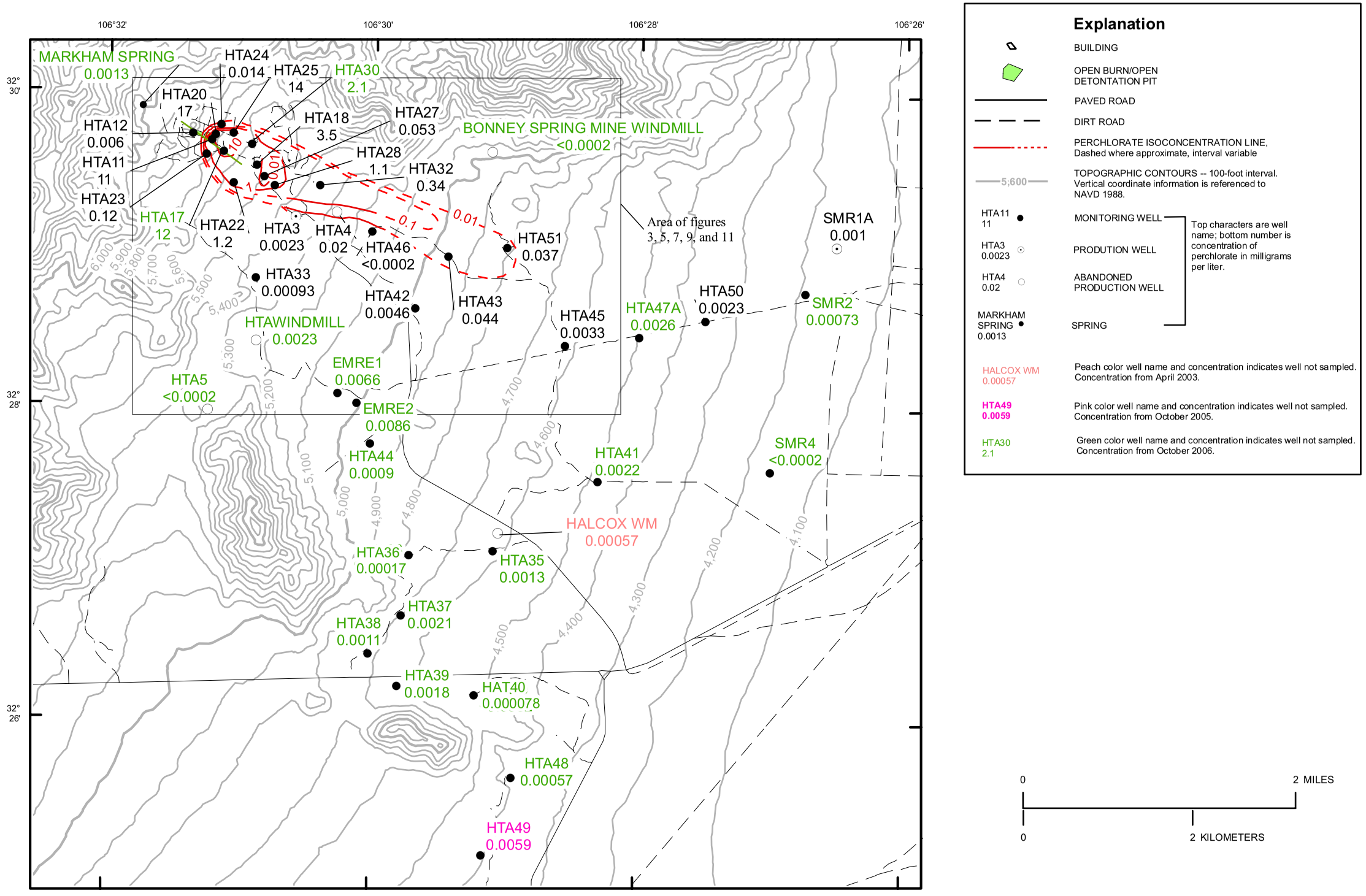


Figure 10. Selected concentrations of perchlorate in ground water in the Hazardous Test Area, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

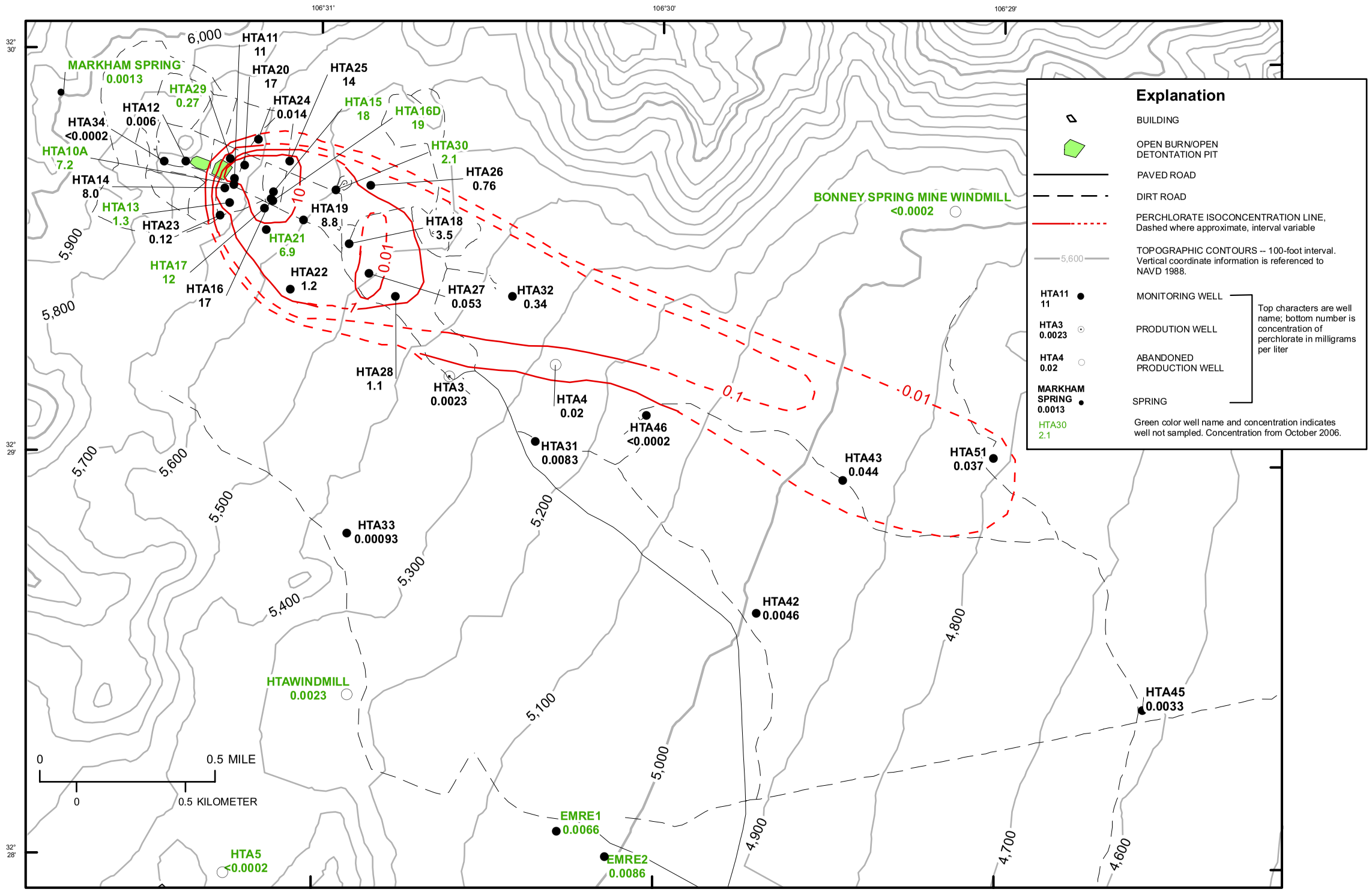


Figure 11. Concentrations of perchlorate in ground water downgradient from the Open Burn / Open Detonation Unit, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

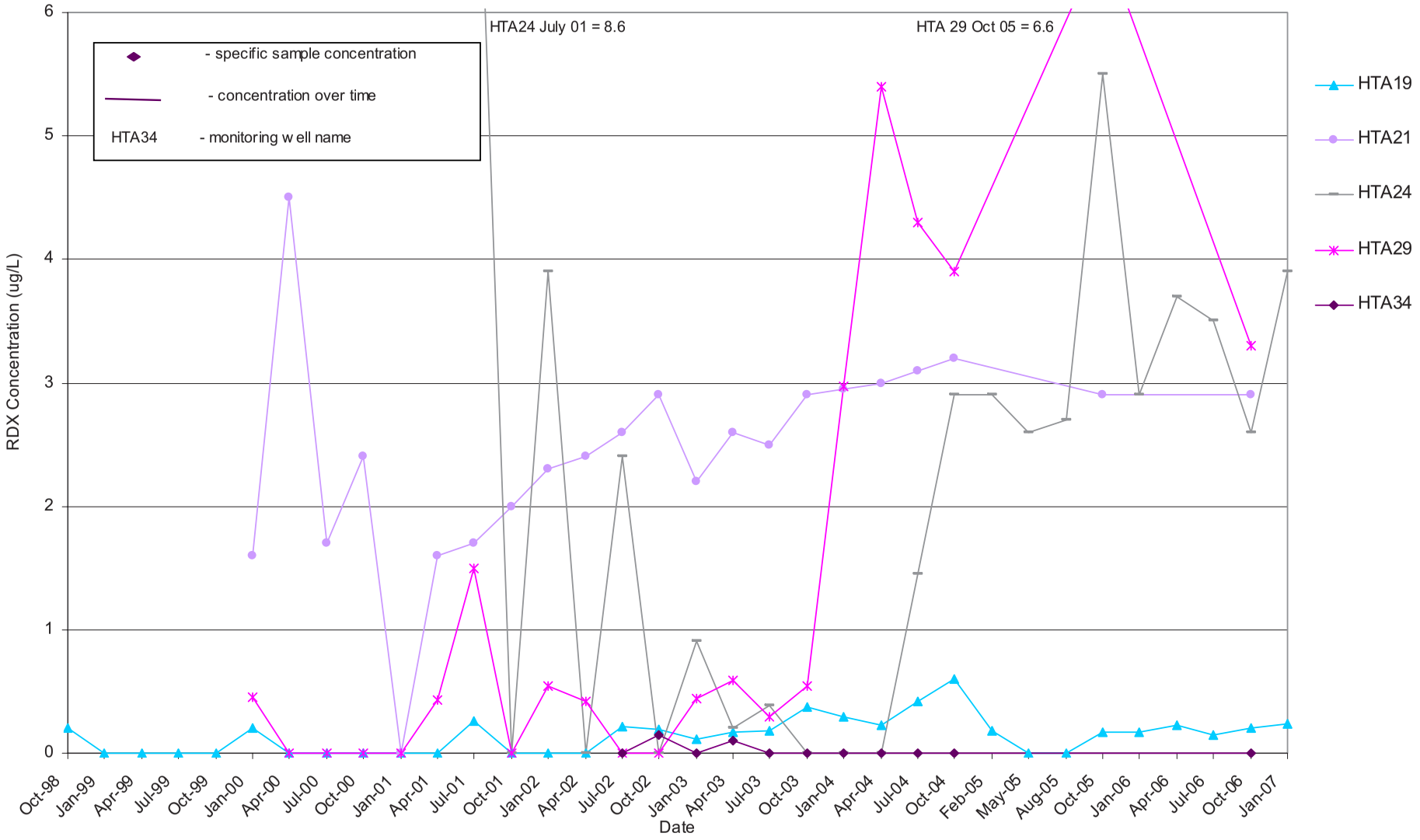


Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

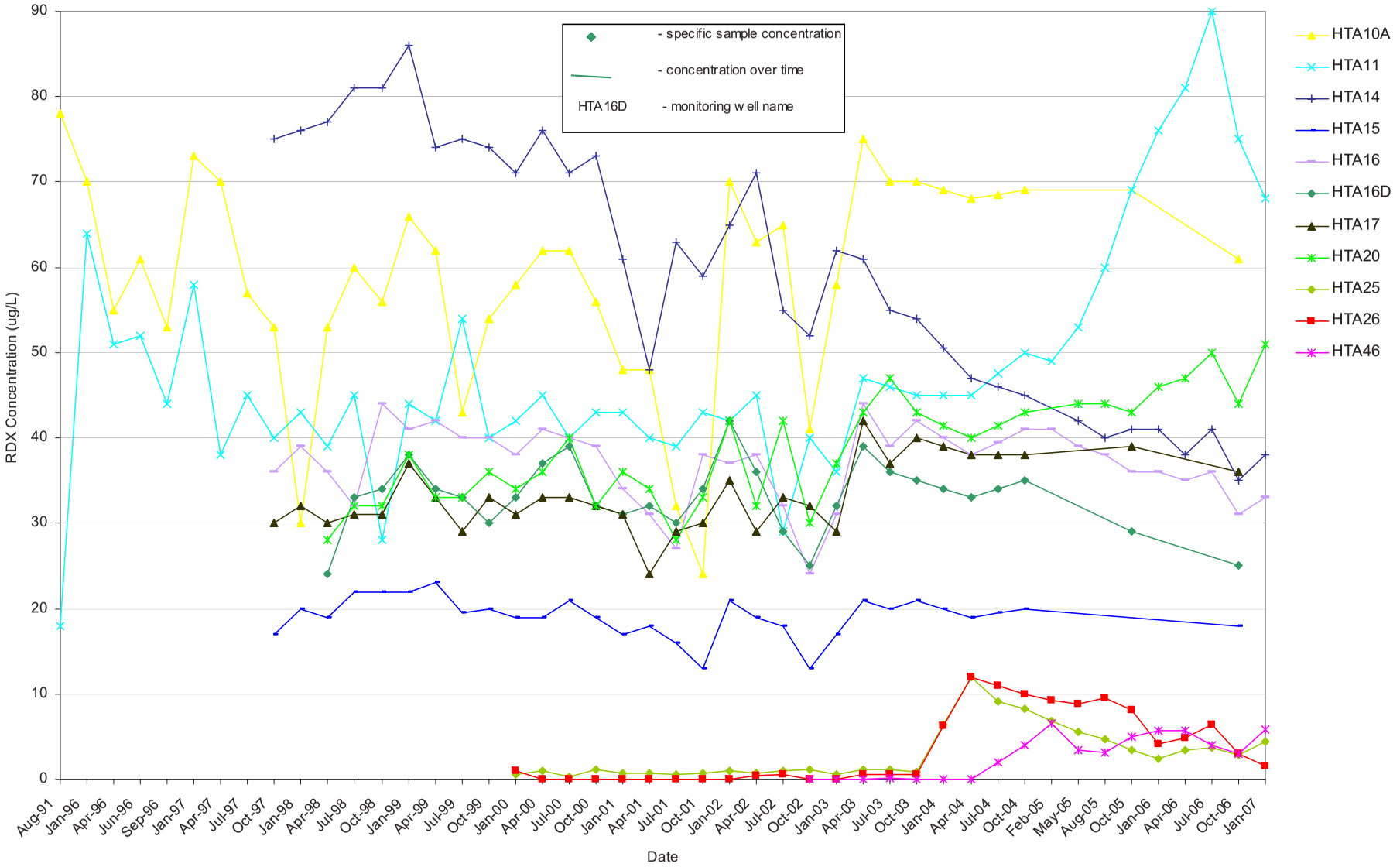


Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

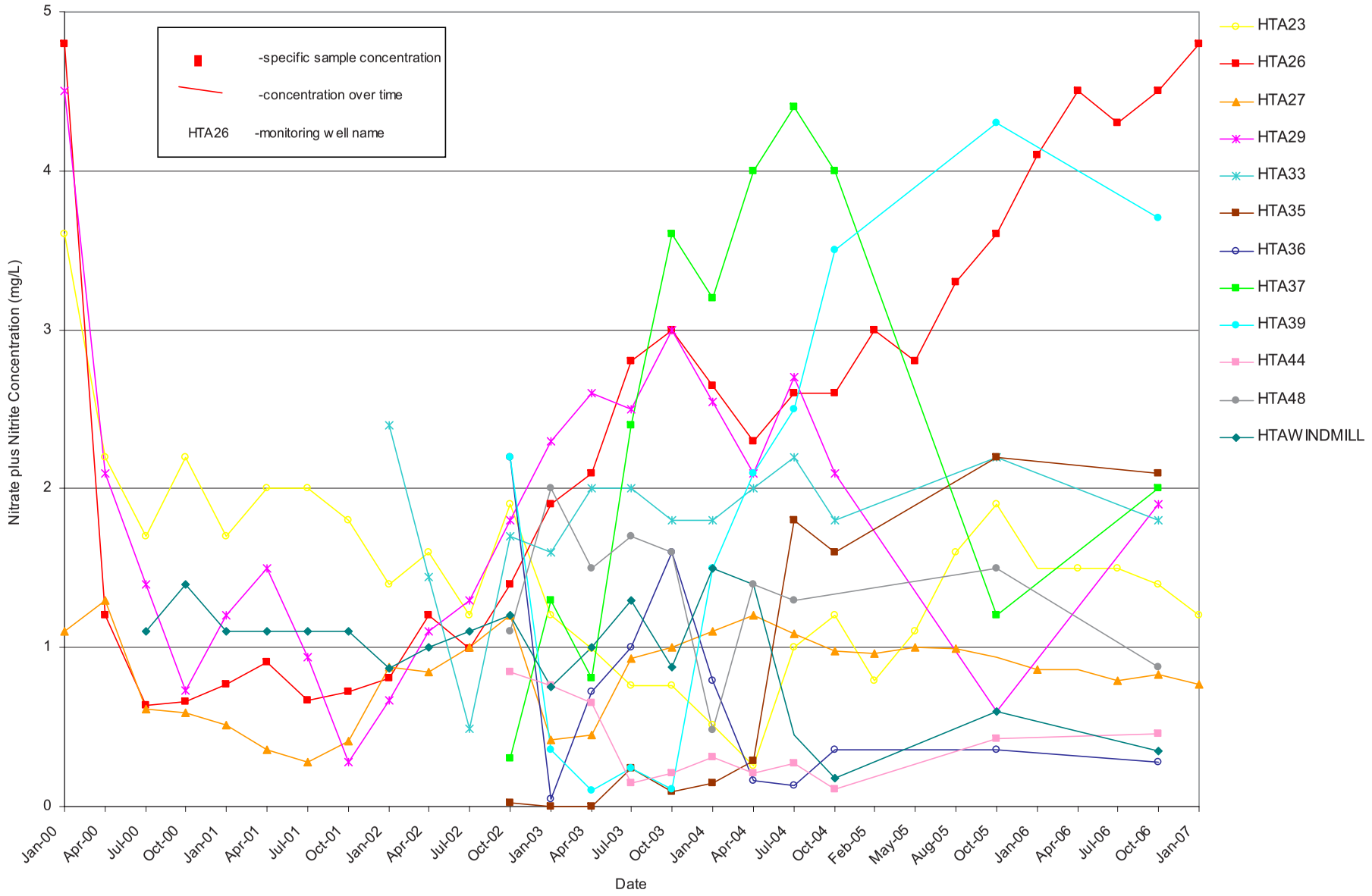


Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico

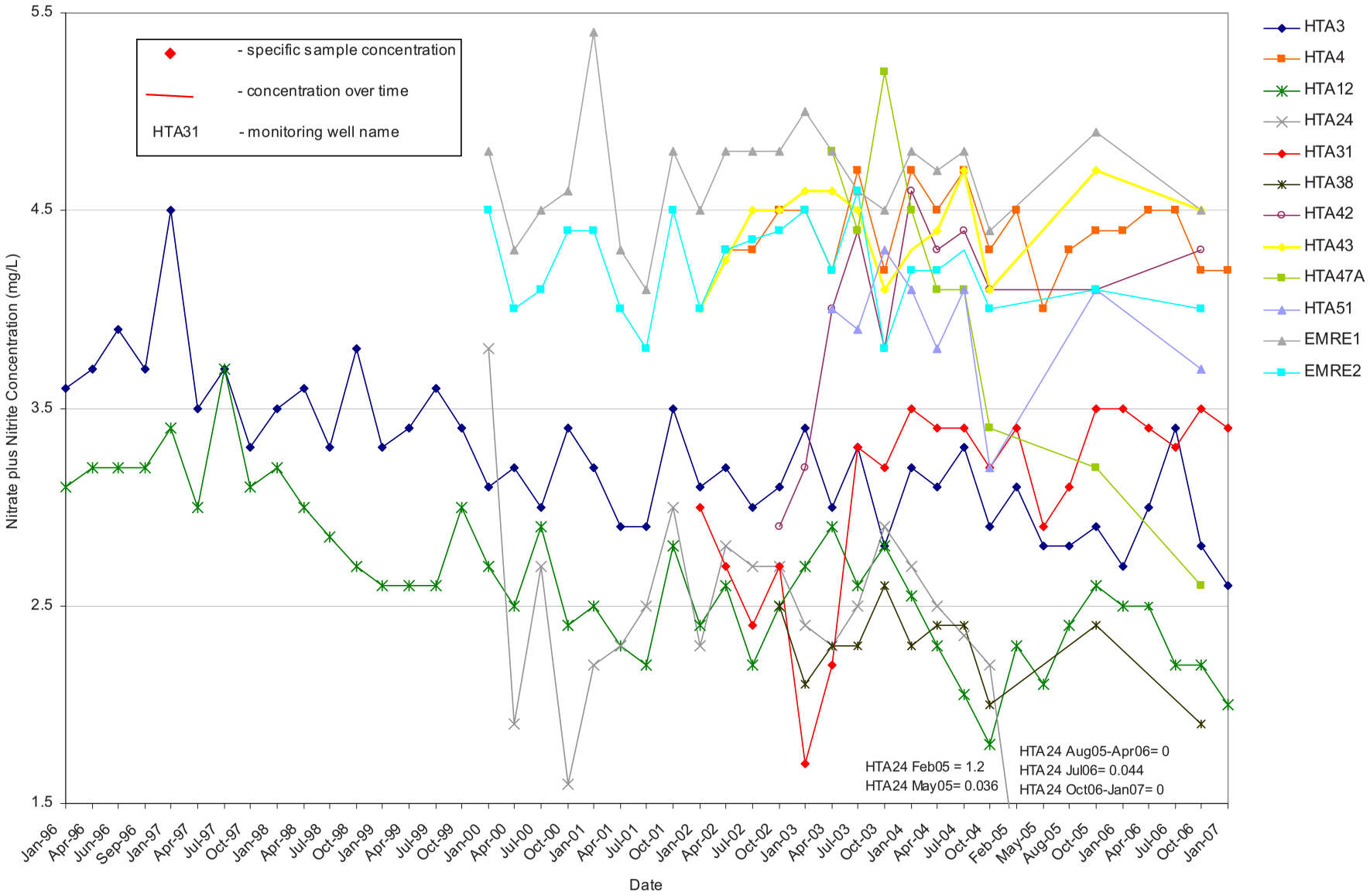


Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

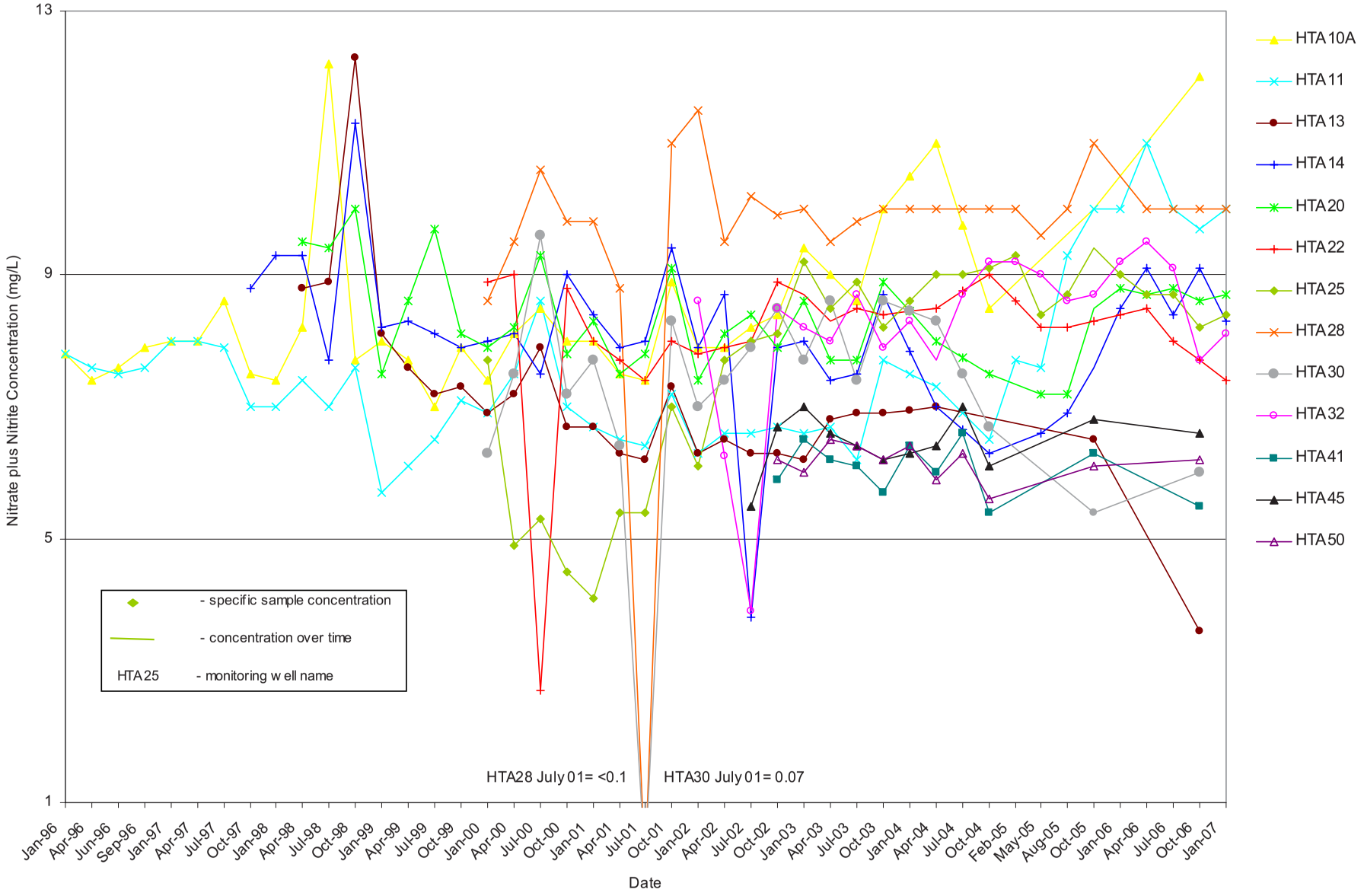


Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

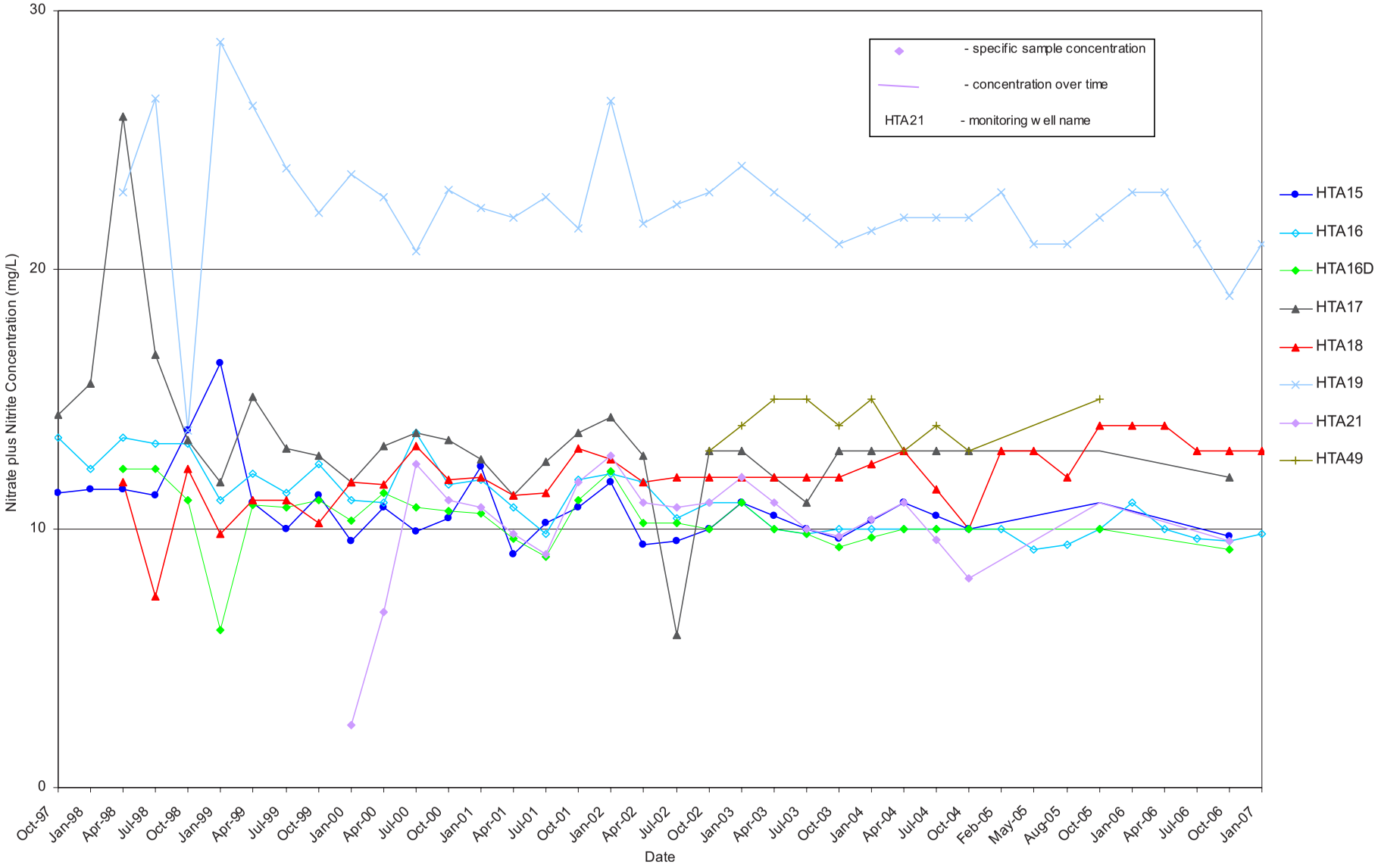


Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

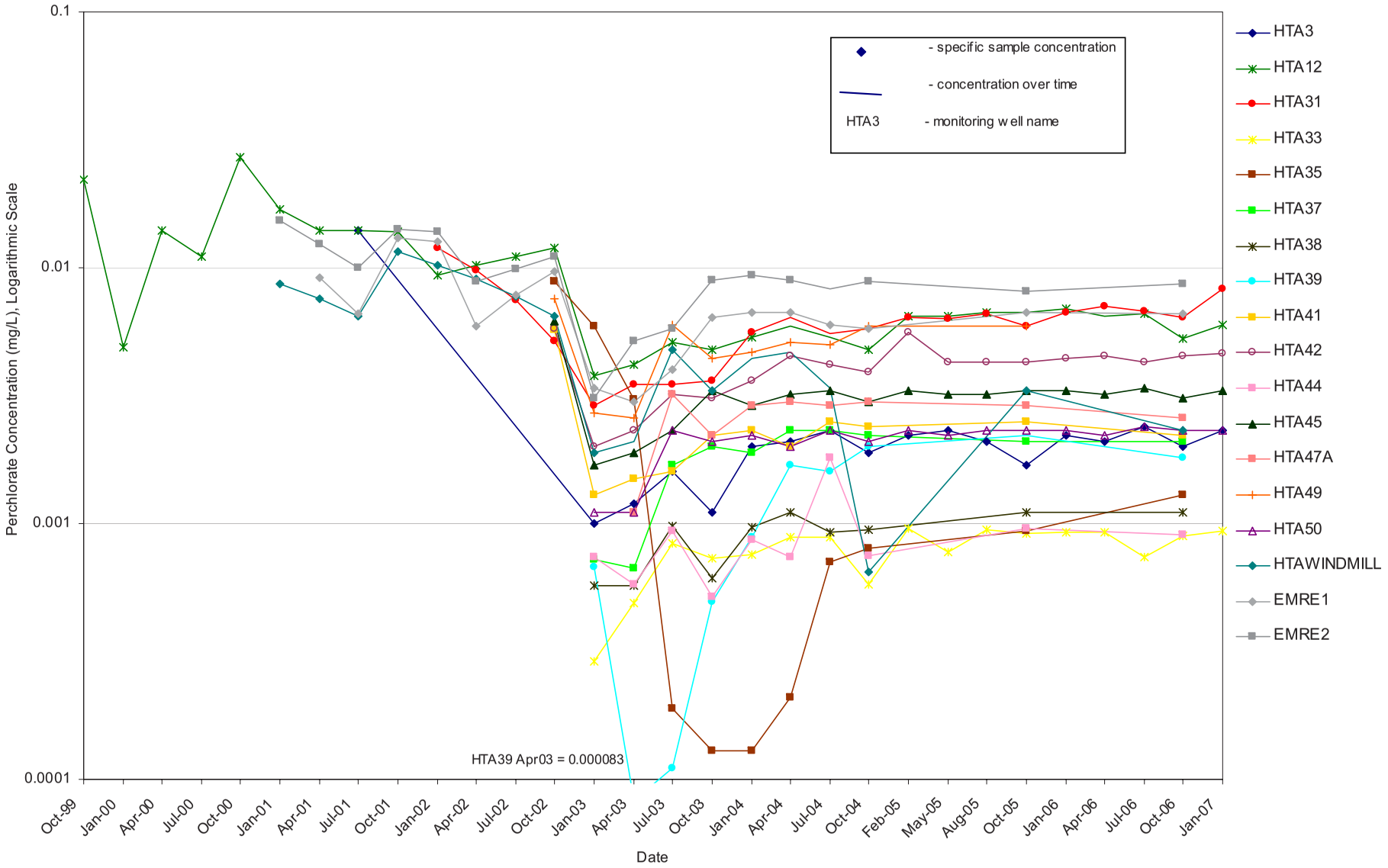


Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

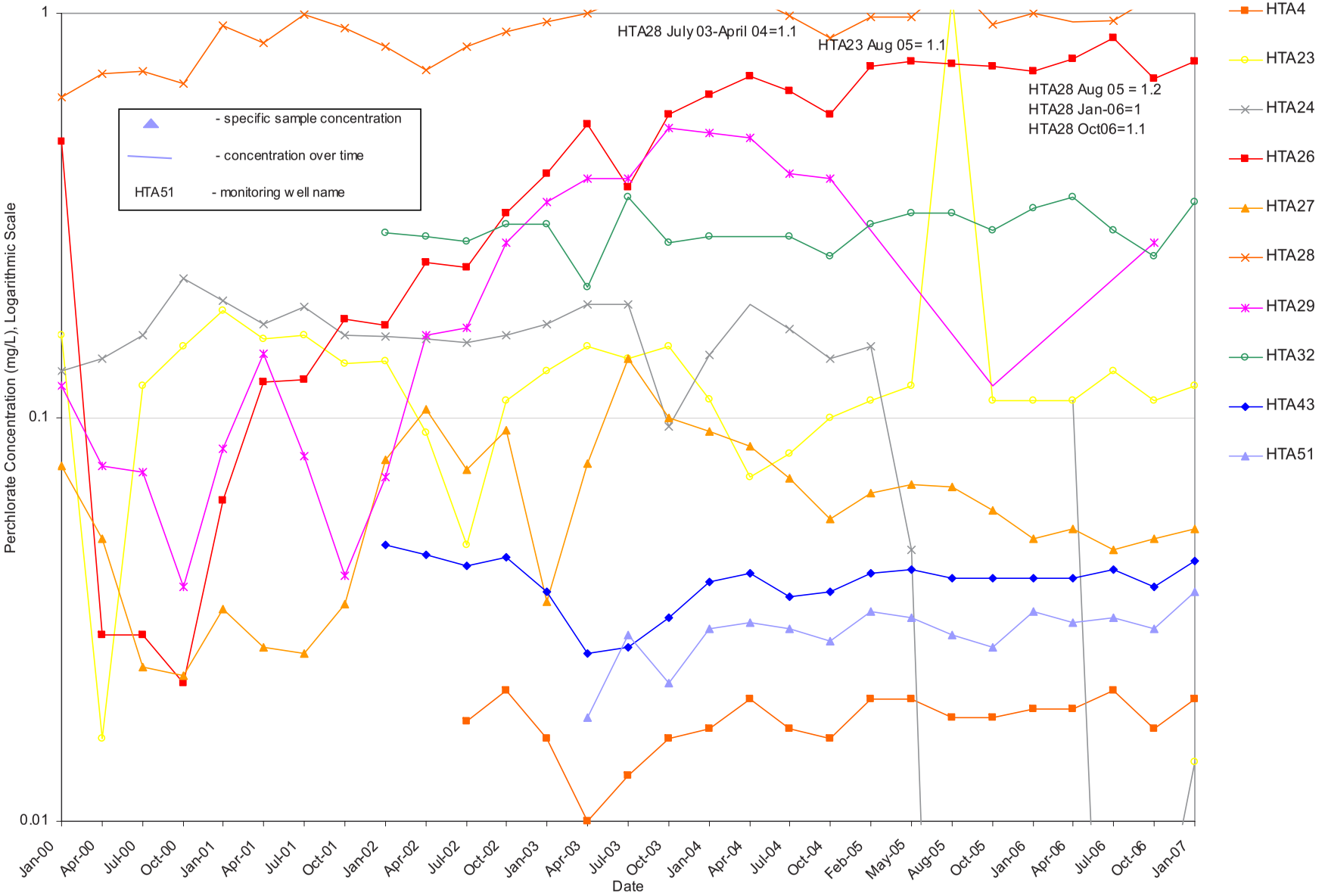


Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

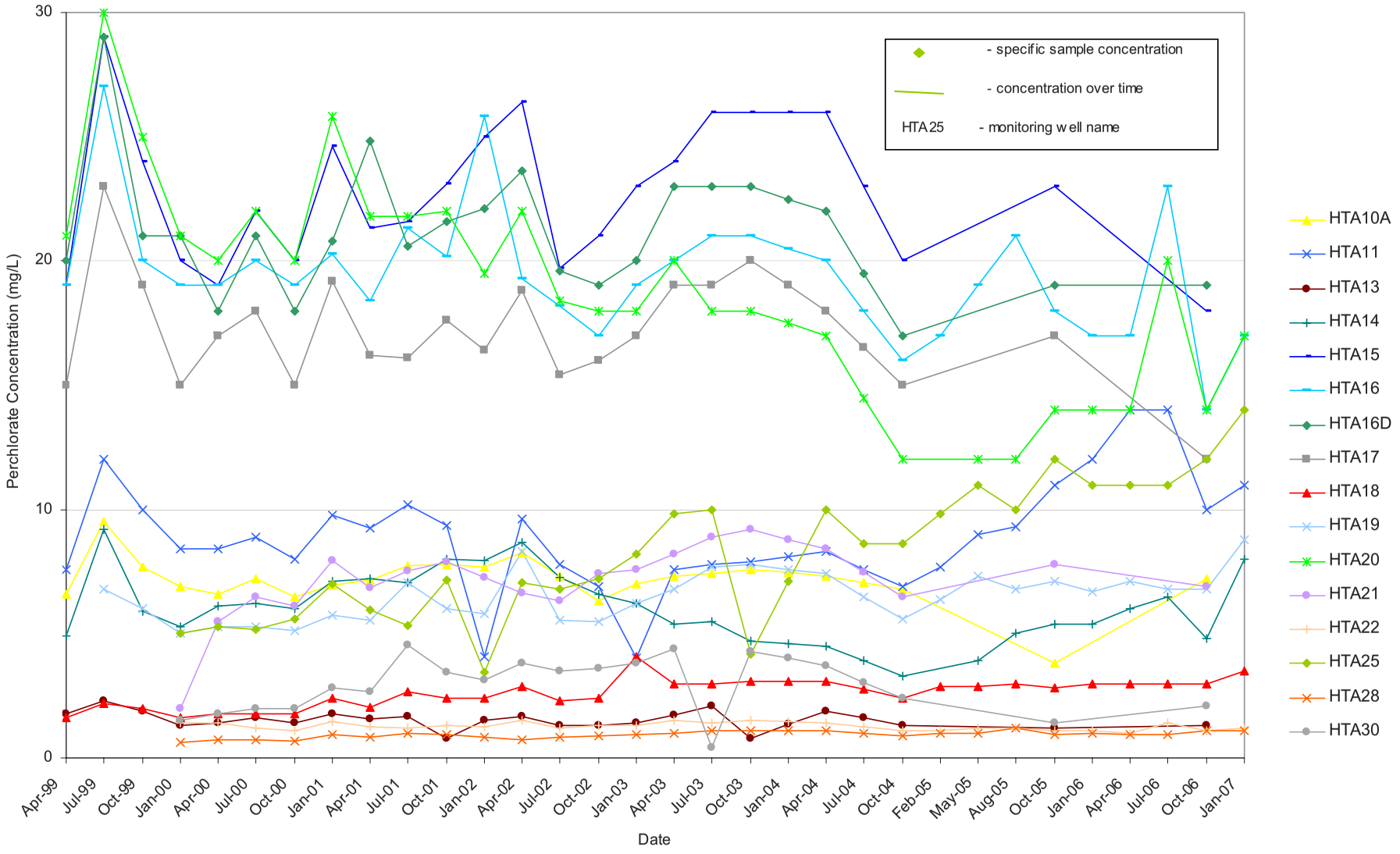


Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected January 9 and 10, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **NR**, analysis not requested; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **ND**, not detected; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA3		HTA4		HTA11		HTA12		HTA14	
Sample date & time:	1/10/2007	1320	1/10/2007	1625	1/9/2007	1410	1/9/2007	1200	1/9/2007	1320
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
HMX	NR		NR		0.63 J	1.0	ND	0.2	0.44	0.4
RDX	NR		NR		68	1.0	ND	0.2	38	0.4
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.6	0.1	4.2	0.1	10.0 Q	0.5	2.0	0.1	8.3 Q	0.5
Perchlorate, SW8321A (mg/L)	0.0023	0.001	0.02	0.002	11.0	1.0	0.006	0.002	8.0	1.0

Sample ID:	Field Duplicate HTA14-2		HTA16		HTA18		HTA19		HTA20	
Sample date & time:	1/9/2007	1325	1/9/2007	1510	1/9/2007	1710	1/9/2007	1520	1/10/2007	1135
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
HMX	ND	0.4	0.47	0.4	NR		ND	0.2	0.52 J	1.0
RDX	41.0	0.4	33.0	0.4	NR		0.24	0.2	51.0	1.0
Nitrate & Nitrite, MCAWW353.2 (mg/L)	8.4 Q	0.5	9.8 Q	0.5	13.0 Q	0.5	21.0 Q	1.0	8.7 Q	0.5
Perchlorate, SW8321A (mg/L)	7.0	1.0	17.0	2.0	3.5	0.4	8.8	1.0	17.0	2.0

Sample ID:	HTA22		HTA23		Field Duplicate HTA23-2		HTA24		HTA25	
Sample date & time:	1/10/2007	0940	1/10/2007	1050	1/10/2007	1055	1/9/2007	1035	1/10/2007	1220
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	ND	0.2	ND	0.2	3.9	0.2	4.4	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	7.4 Q	0.5	1.2	0.1	1.3	0.1	ND	0.1	8.4 Q	0.5
Perchlorate, SW8321A (mg/L)	1.2	0.4	0.12	0.02	0.13	0.02	0.014	0.002	14.0	1.0

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected January 9 and 10, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **COL**, more than 40% RPD between primary and confirmation detector results; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **ND,** not detected; **NR**, analysis not requested; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA26		HTA27		Equipment Blank HTA27-EB		HTA28		HTA31	
Sample date & time:	1/10/2007	1430	1/9/2007	1145	1/9/2007	1225	1/10/2007	1535	1/10/2007	1645
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	1.5 COL	0.2	0.053 J,COL	0.2	ND	0.2	NR		NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.8	0.1	0.77	0.1	ND	0.1	10 Q	0.5	3.4	0.1
Perchlorate, SW8321A (mg/L)	0.76	0.1	0.053	0.004	ND	0.0002	1.1	0.2	0.0083	0.002

Sample ID:	HTA32		HTA33		HTA34		HTA42		HTA43	
Sample date & time:	1/10/2007	1525	1/10/2007	1425	1/9/2007	1105	1/10/2007	1125	1/9/2007	1540
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Nitrate & Nitrite, MCAWW353.2 (mg/L)	8.1 Q	0.5	NR		NR		NR		NR	
Perchlorate, SW8321A (mg/L)	0.34	0.04	0.00093 J	0.002	ND	0.002	0.0046	0.002	0.044	0.004

Sample ID:	HTA45		HTA46		HTA50		HTA51		SMR1A	
Sample date & time:	1/9/2007	1350	1/10/2007	1250	1/10/2007	0955	1/9/2007	1435	1/10/2007	0905
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
2,4 - Dinitrotoluene	NR		0.14 J,COL	0.2	NR		NR		NR	
RDX	NR		5.8	0.2	NR		NR		NR	
Perchlorate, SW8321A (mg/L)	0.0033	0.002	ND	0.001	0.0023	0.001	0.037	0.004	0.001 J	0.002

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of Samples Collected April 9, 10, and 11, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
May 2007

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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HAT31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected April 9, 10, and 11, 2007. Wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31-34, 42, 43, 45, 46, 50, 51, and SMR1A (production well for the Small Missile Range) were sampled this round. Total explosives (method SW8330) were analyzed in ground-water samples from wells HTA11, 12, 14, 16, 19, 20, 22-27, 32, and 46. Nitrate plus nitrite (method MCAWW353.2) were analyzed in ground-water samples from wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31, and 32. Perchlorate (method 8321A) was analyzed in ground-water samples from all the wells sampled. Severn Trent Services (STL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the April 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and 11)

show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12 through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the April 2007 sampling round are listed below:

Ground water from wells HTA11, HTA14, HTA16, and HTA20 showed the largest RDX concentrations 96 micrograms per liter (µg/L), 38 µg/L, 33 µg/L, and 59 µg/L, respectively (table 1). RDX concentrations in water from wells HTA19, HTA25, and HTA26, ranged from 0.21 µg/L (HTA19) to 2.3 µg/L (HTA25).

Ground water from well HTA19 continued to show the largest concentration of nitrate plus nitrite (23 mg/L) (fig. 17). Wells HTA11, HTA14, HTA16, HTA18, HTA19, HTA20, and HTA28 showed concentrations at or larger than 10 mg/L (table 1).

Ground water from wells HTA16 and HTA20 show the largest concentrations of perchlorate (20 mg/L and 21 mg/L, respectively).

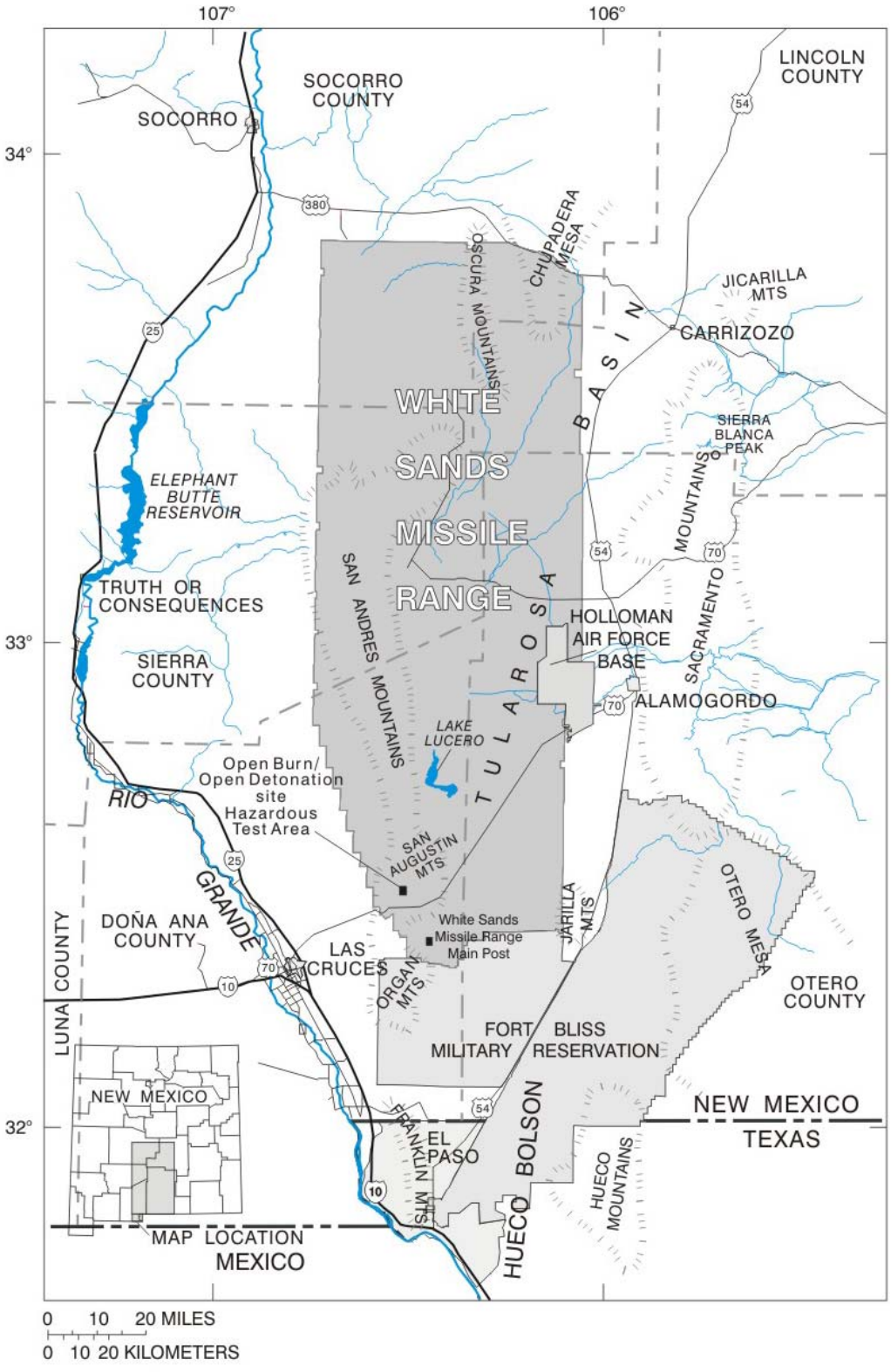
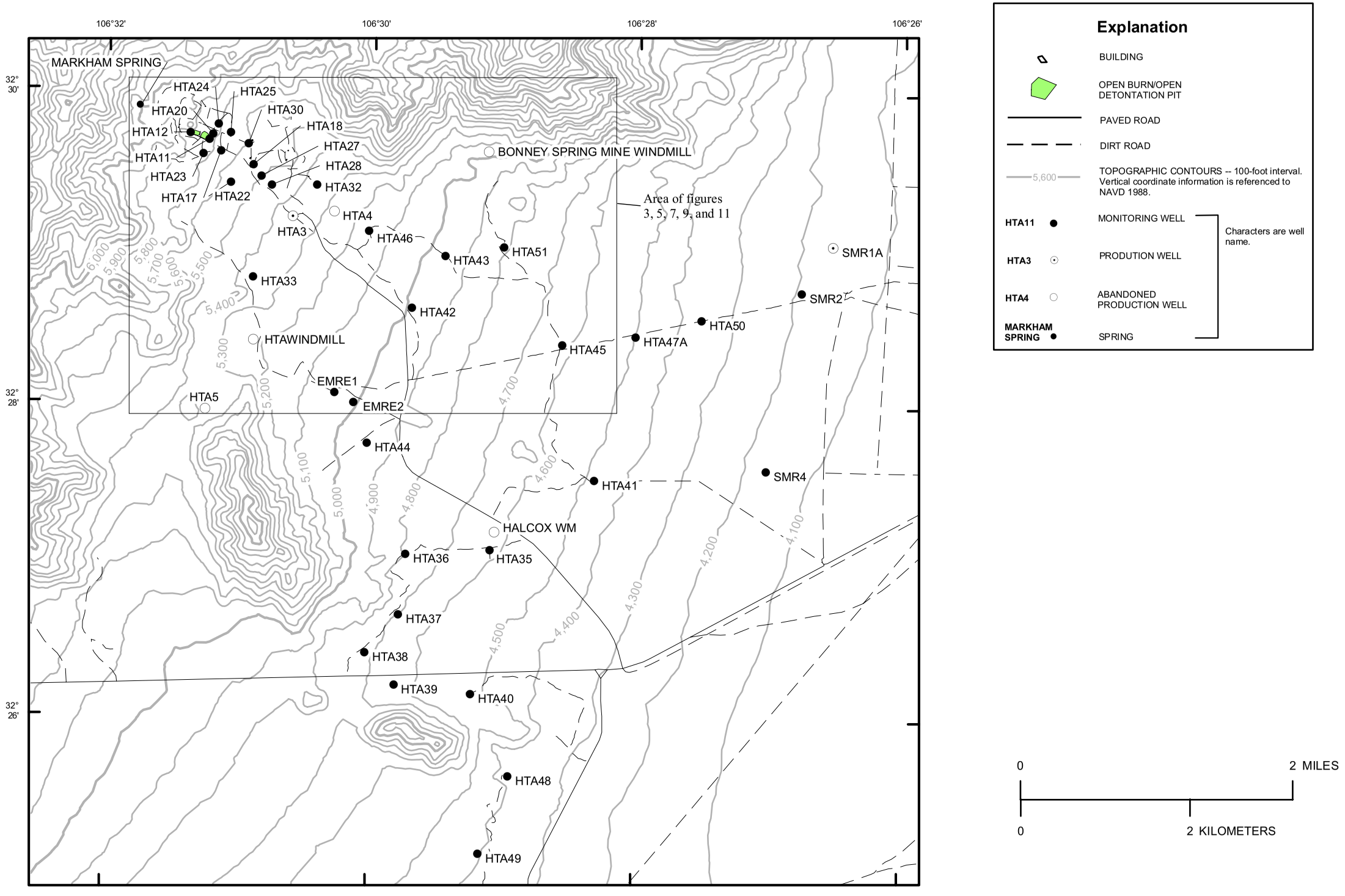


Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 — MONITORING WELL
- HTA3 — PRODUTION WELL
- HTA4 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING — SPRING

Characters are well name.

0 2 MILES

0 2 KILOMETERS

Figure 2. Location of wells at the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

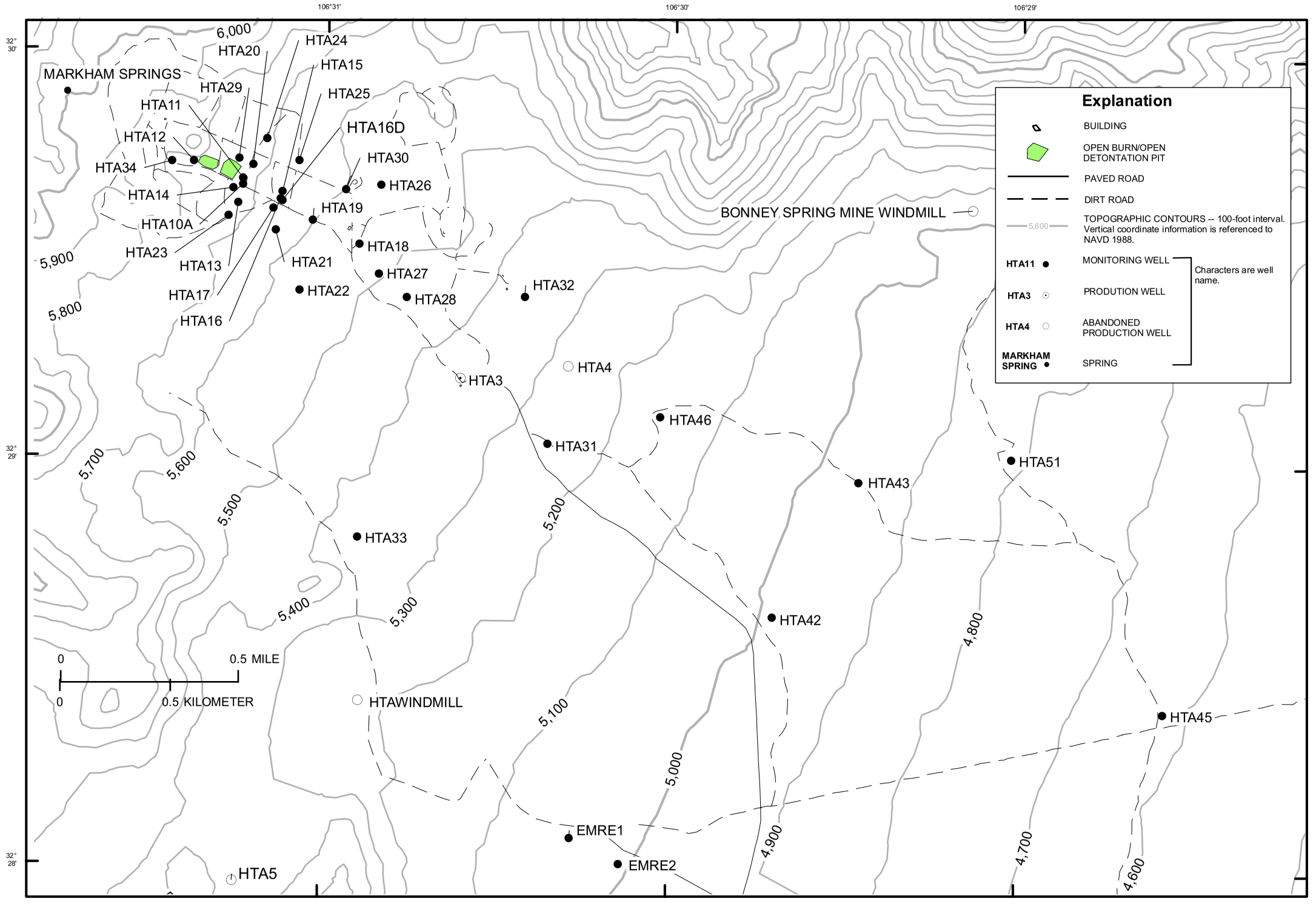
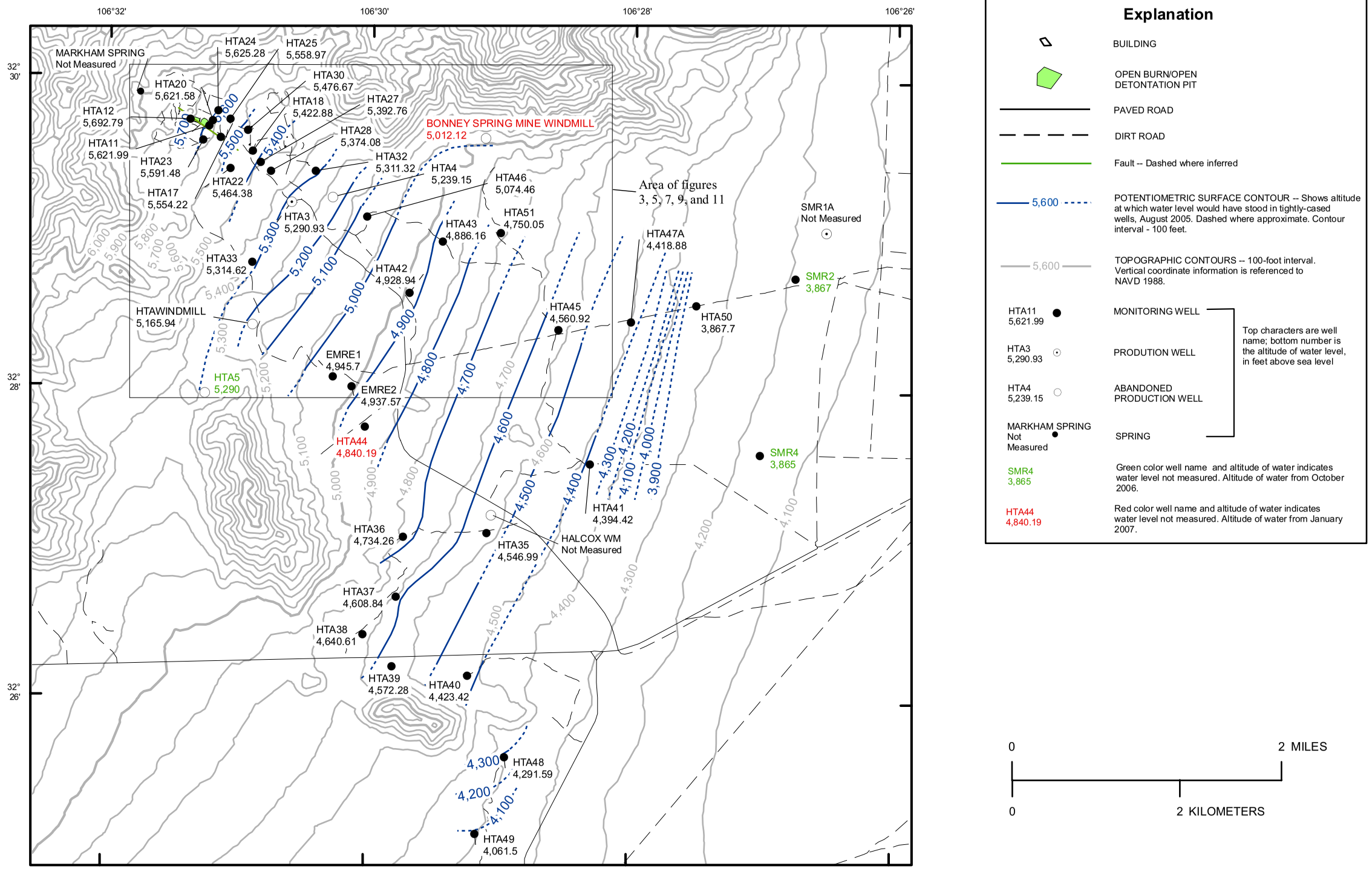


Figure 3. Location of wells at the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- Fault -- Dashed where inferred
- 5,600 — POTENTIOMETRIC SURFACE CONTOUR -- Shows altitude at which water level would have stood in tightly-cased wells, August 2005. Dashed where approximate. Contour interval - 100 feet.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 5,621.99 — MONITORING WELL
- HTA3 5,290.93 — PRODUTION WELL
- HTA4 5,239.15 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING Not Measured — SPRING

Top characters are well name; bottom number is the altitude of water level, in feet above sea level

- SMR4 3,865 — Green color well name and altitude of water indicates water level not measured. Altitude of water from October 2006.
- HTA44 4,840.19 — Red color well name and altitude of water indicates water level not measured. Altitude of water from January 2007.

0 2 MILES
0 2 KILOMETERS

Figure 4. Approximate altitude of the potentiometric surface, April 9, 10, and 11, 2007, in the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico

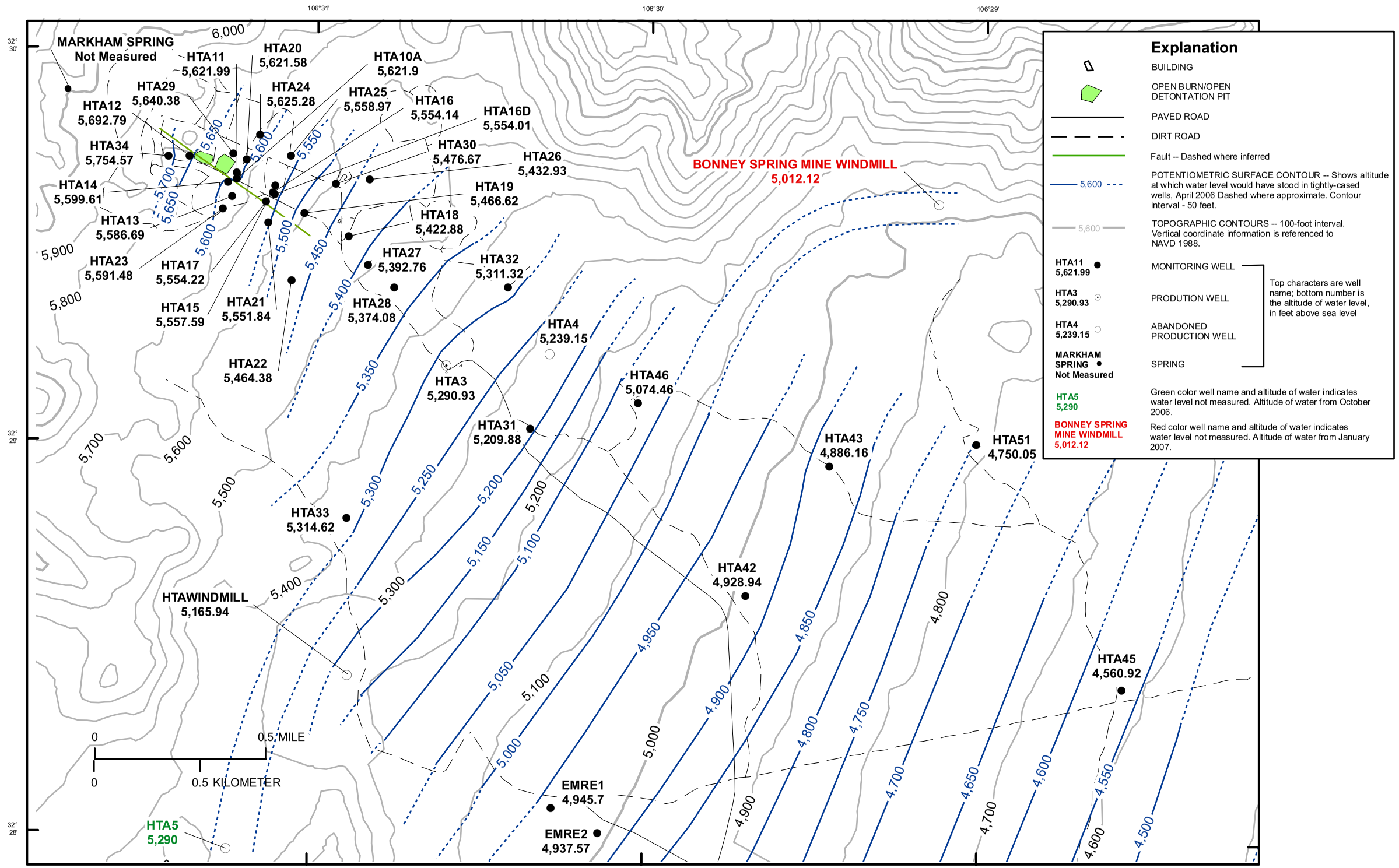
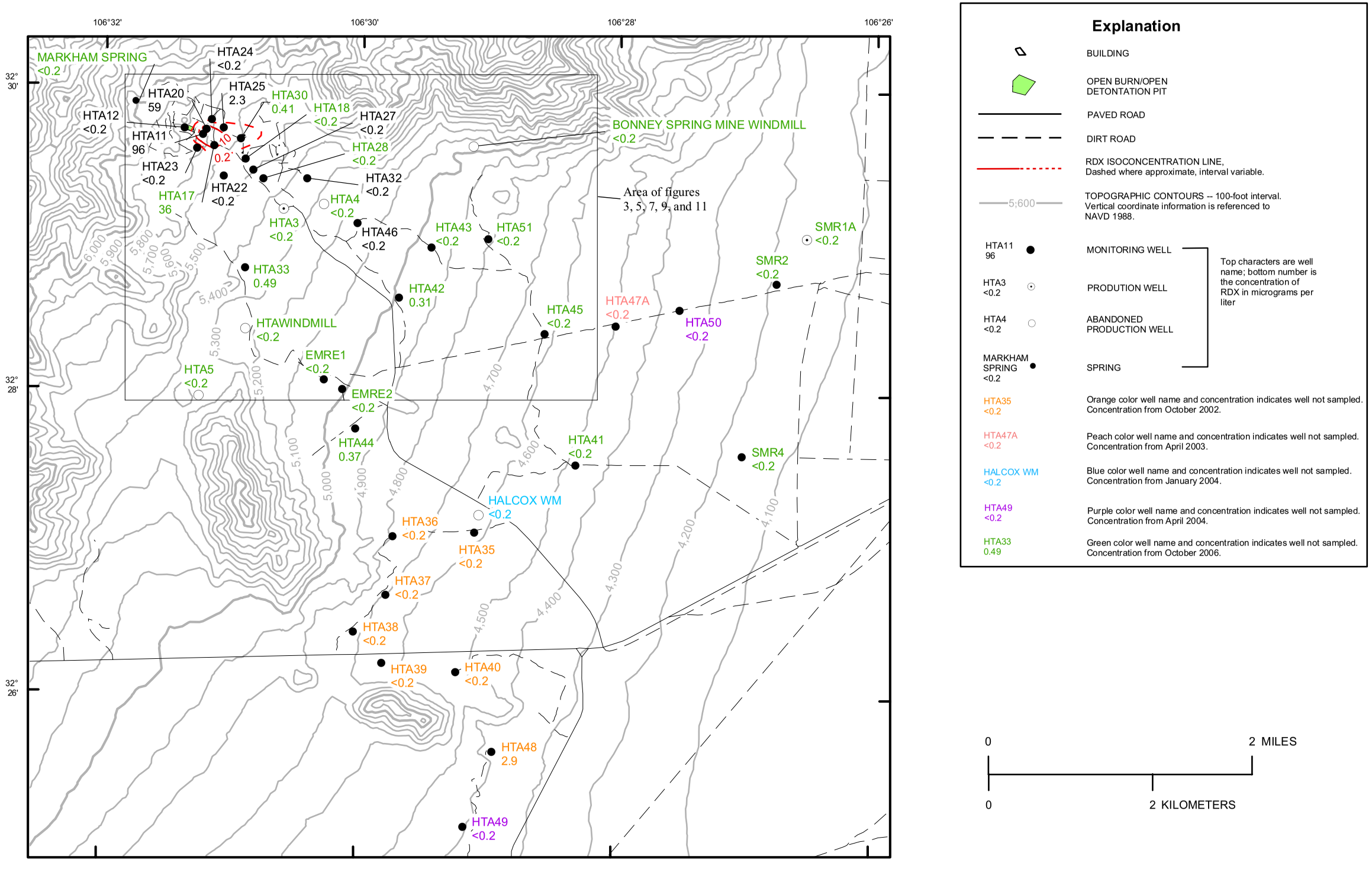


Figure 5. Approximate altitude of the potentiometric surface, April 9, 10, and 11, 2007, in the area downgradient from the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- RDX ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.

HTA11 96	MONITORING WELL
HTA3 <0.2	PRODUTION WELL
HTA4 <0.2	ABANDONED PRODUCTION WELL
MARKHAM SPRING <0.2	SPRING

Top characters are well name; bottom number is the concentration of RDX in micrograms per liter

HTA35 <0.2	Orange color well name and concentration indicates well not sampled. Concentration from October 2002.
HTA47A <0.2	Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
HALCOX WM <0.2	Blue color well name and concentration indicates well not sampled. Concentration from January 2004.
HTA49 <0.2	Purple color well name and concentration indicates well not sampled. Concentration from April 2004.
HTA33 0.49	Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 6. Selected concentrations of RDX in ground water in the Hazardous Test Area, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

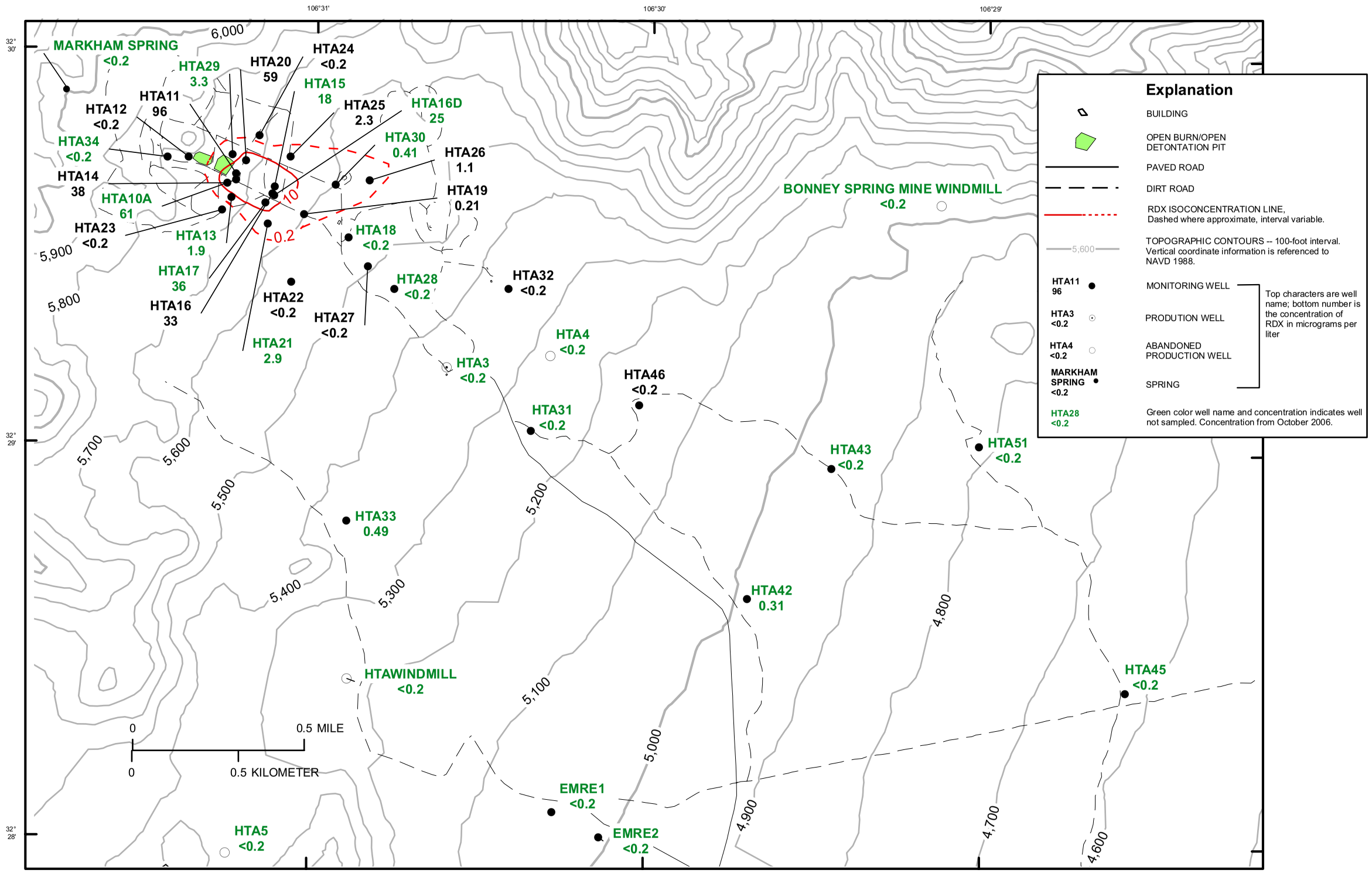
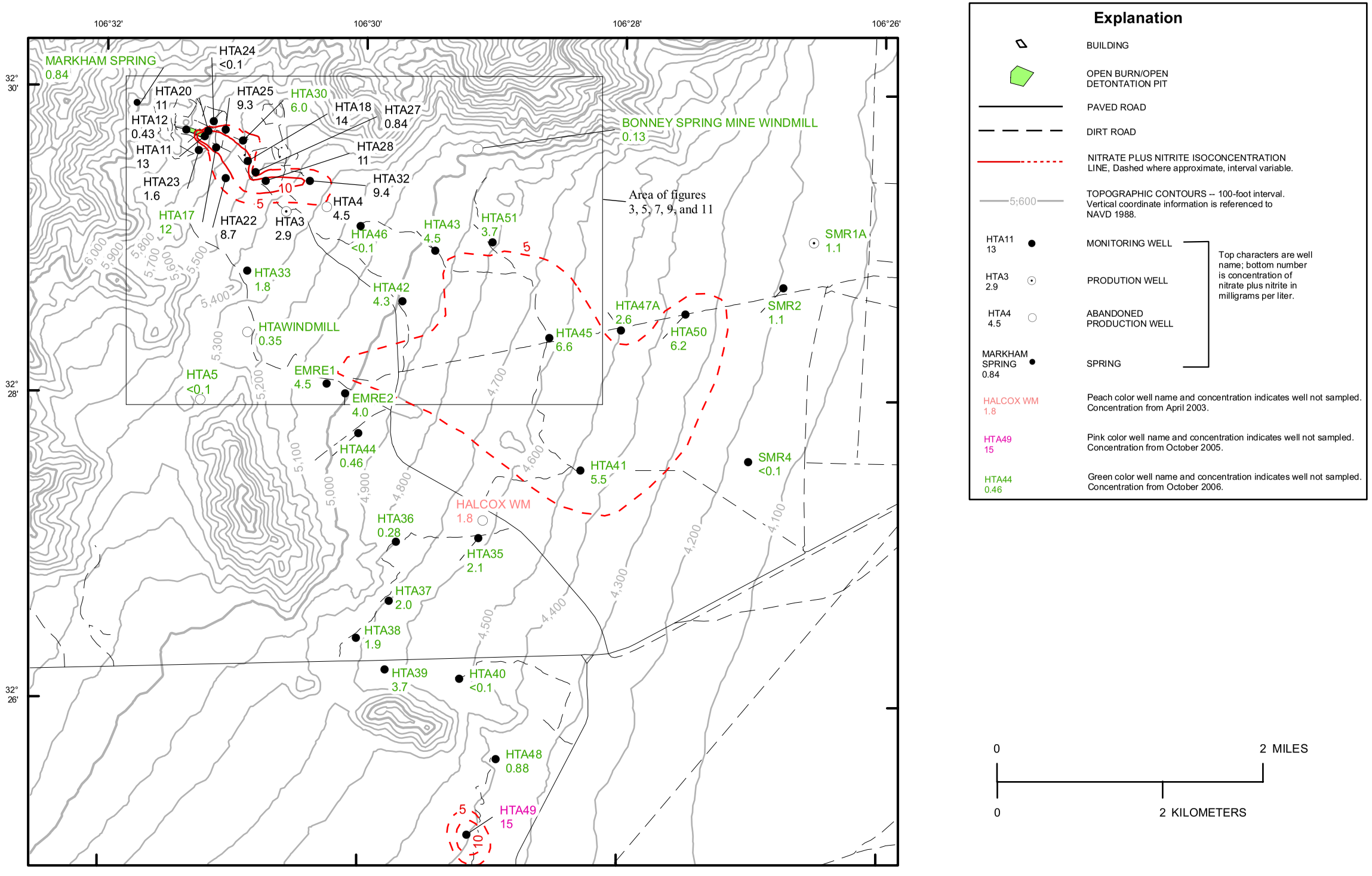


Figure 7. Concentrations of RDX in ground water downgradient from the Open Burn / Open Detonation Unit, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- NITRATE PLUS NITRITE ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 13 — MONITORING WELL
- HTA3 2.9 — PRODUTION WELL
- HTA4 4.5 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.84 — SPRING

Top characters are well name; bottom number is concentration of nitrate plus nitrite in milligrams per liter.

- HALCOX WM 1.8 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HTA49 15 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HTA44 0.46 — Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 8. Selected concentrations of nitrate plus nitrite in ground water in the Hazardous Test Area, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

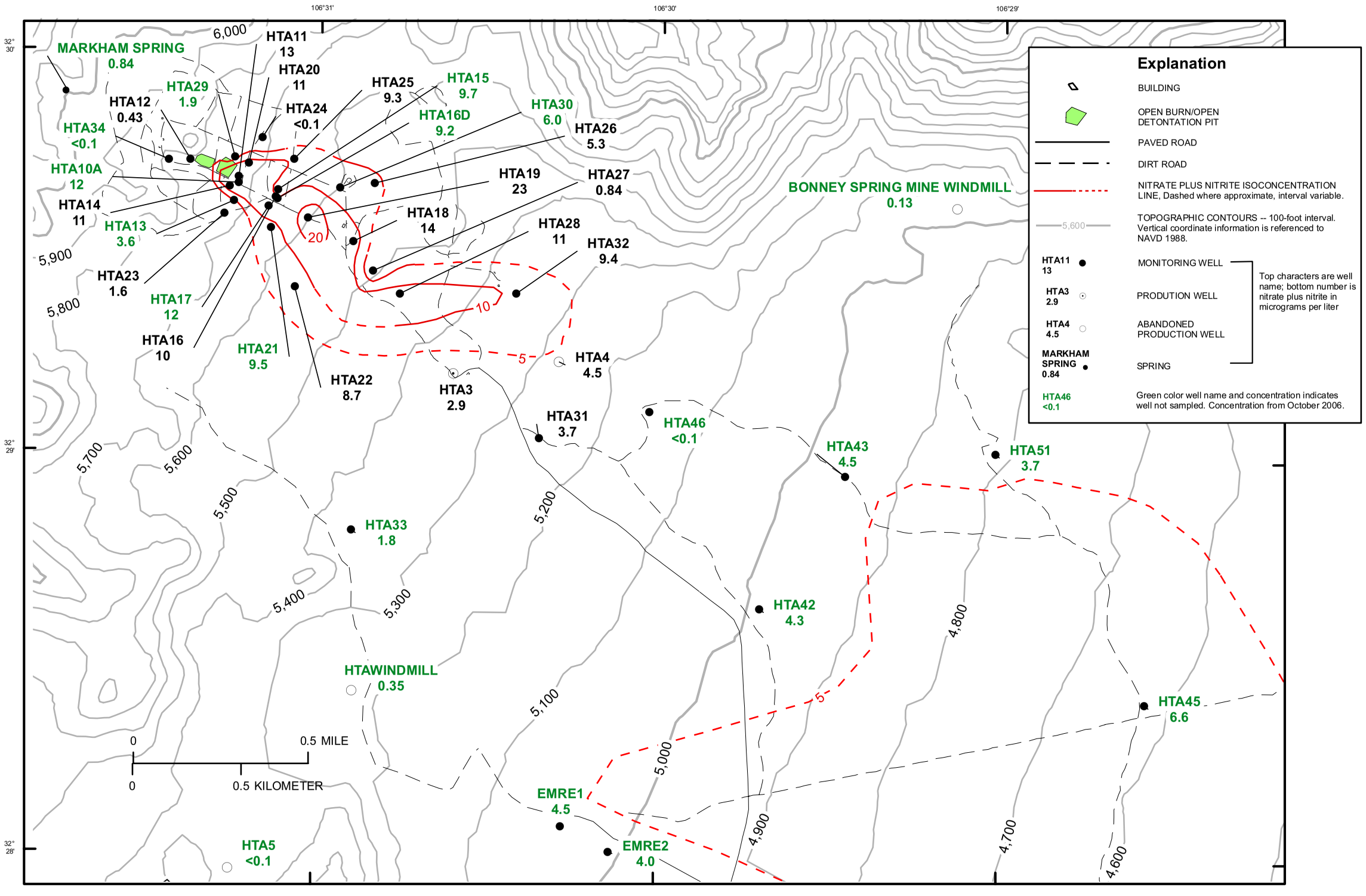
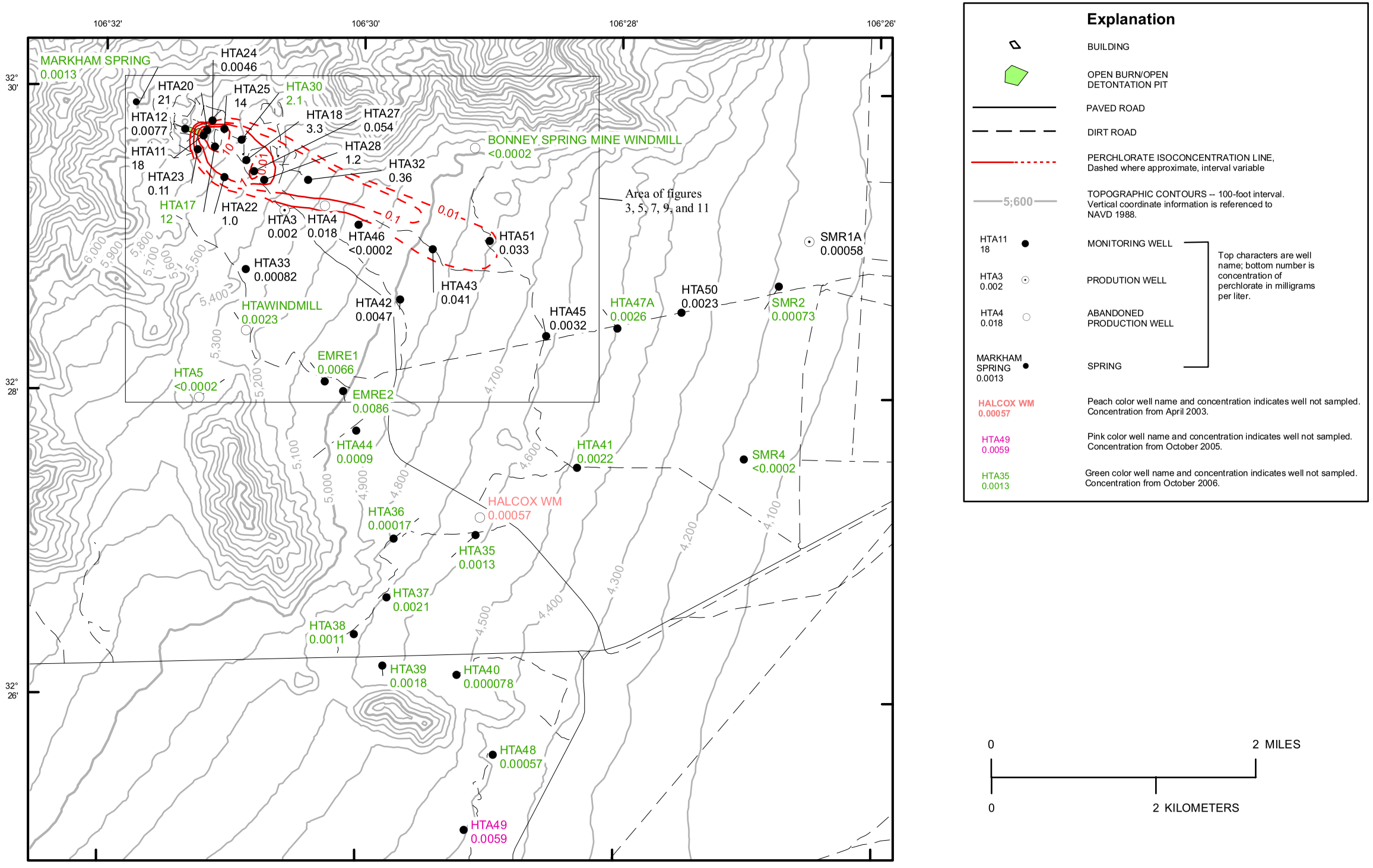


Figure 9. Concentrations of nitrate plus nitrite in ground water downgradient from the Open Burn / Open Detonation Unit, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- PERCHLORATE ISOCONCENTRATION LINE, Dashed where approximate, interval variable
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 18 — MONITORING WELL
- HTA3 0.002 — PRODUTION WELL
- HTA4 0.018 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.0013 — SPRING

Top characters are well name; bottom number is concentration of perchlorate in milligrams per liter.

- HALCOX WM 0.00057 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HTA49 0.0059 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HTA35 0.0013 — Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 10. Selected concentrations of perchlorate in ground water in the Hazardous Test Area, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

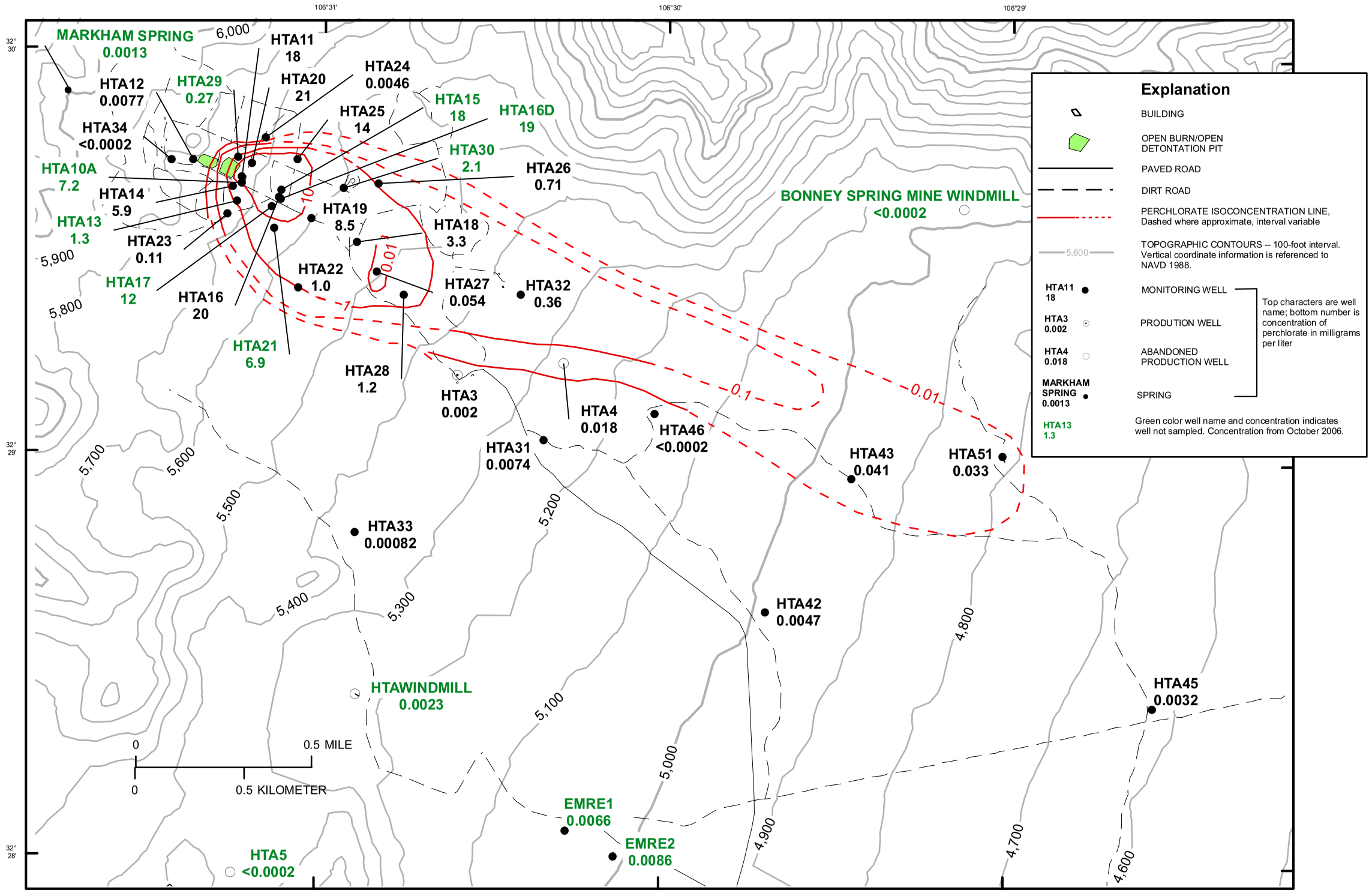


Figure 11. Concentrations of perchlorate in ground water downgradient from the Open Burn / Open Detonation Unit, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

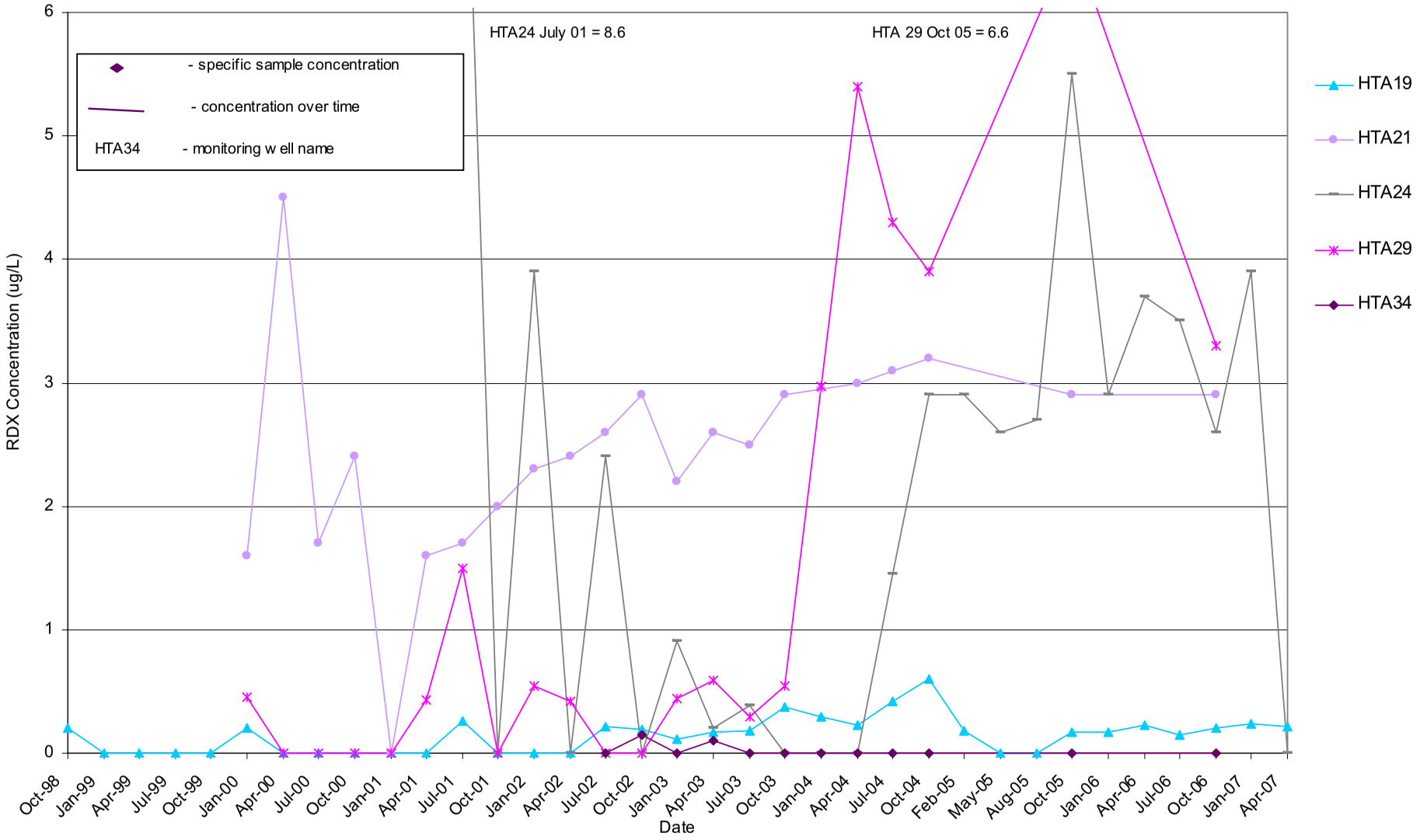


Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

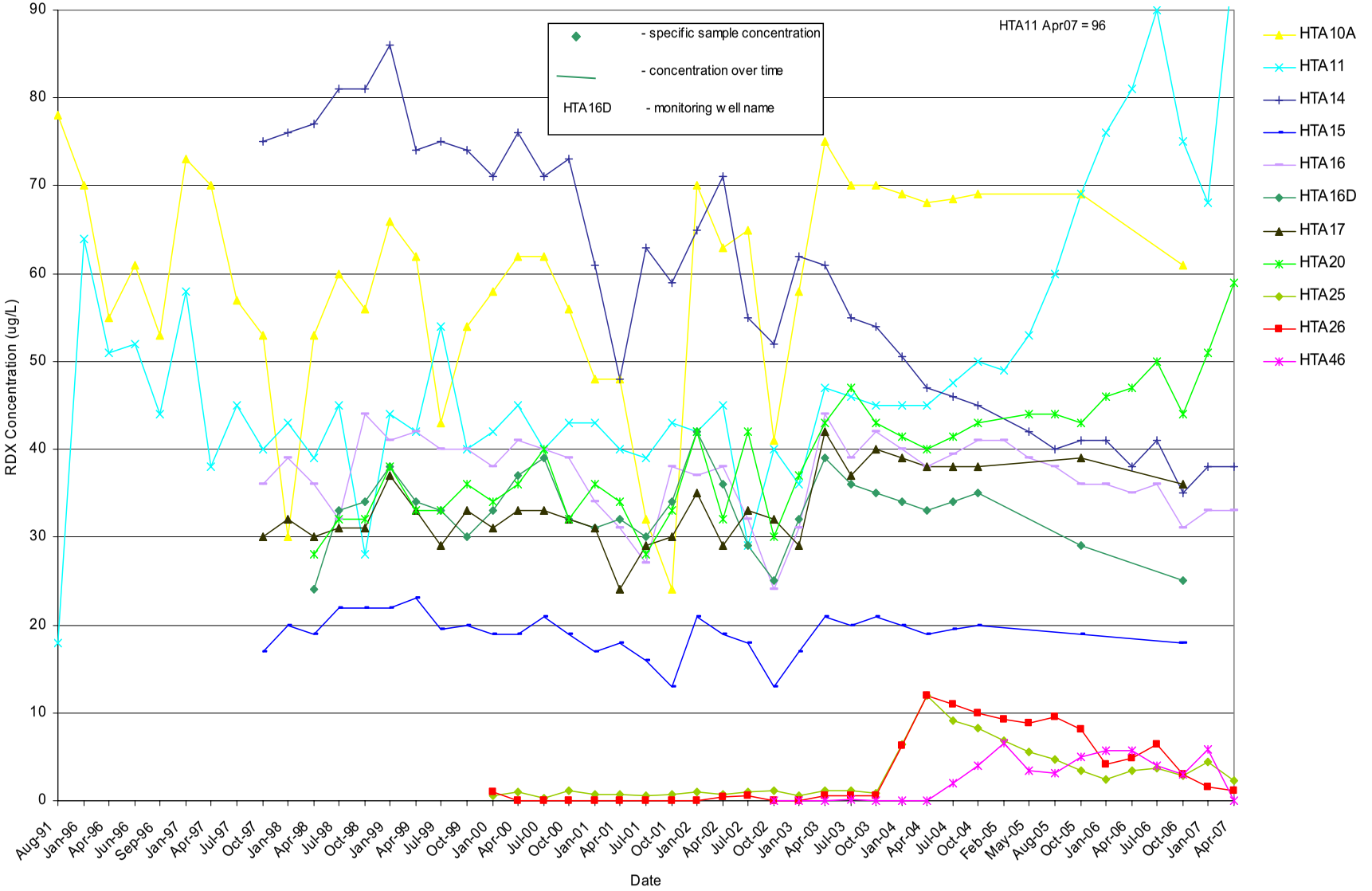


Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

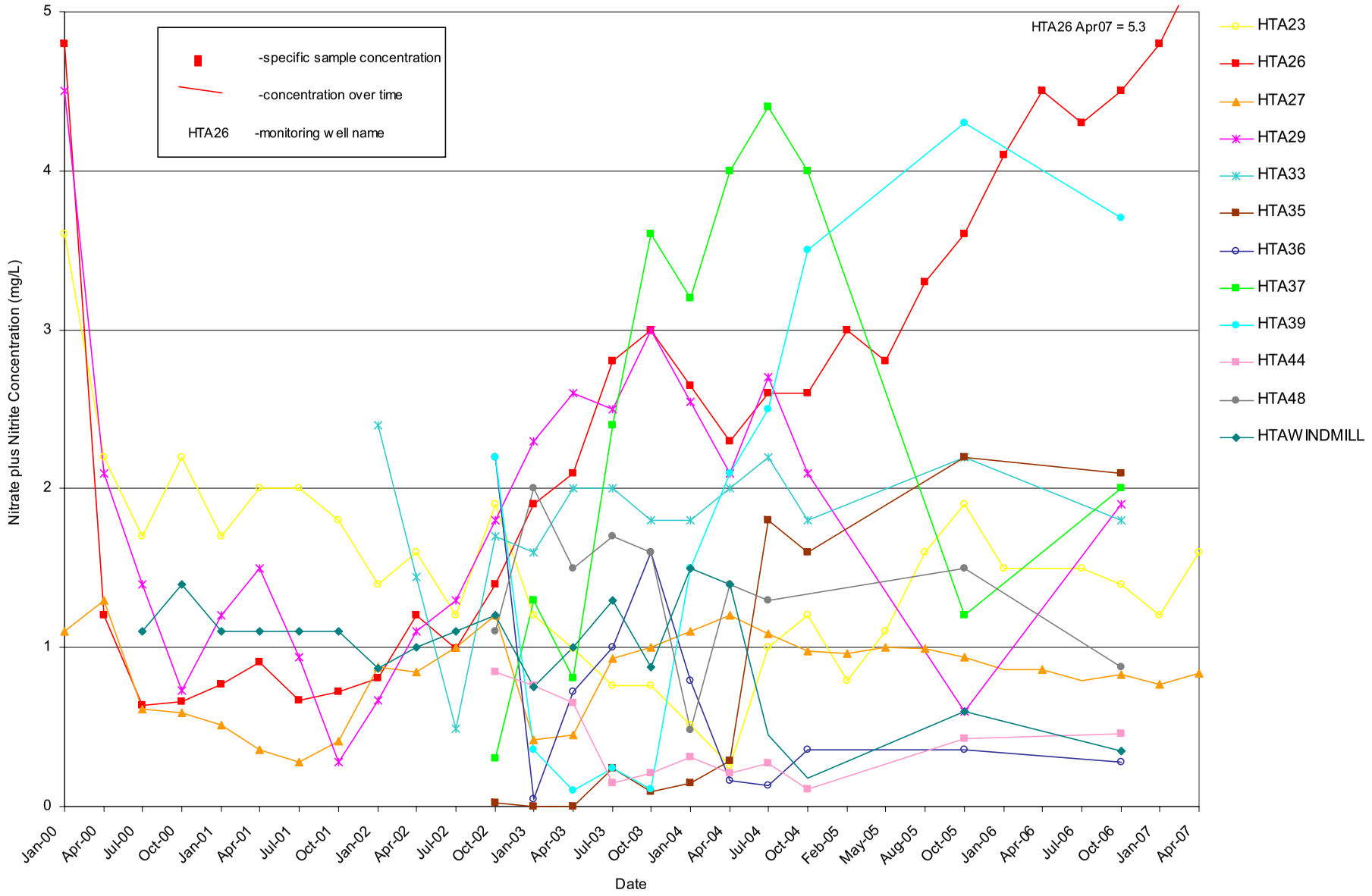


Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico

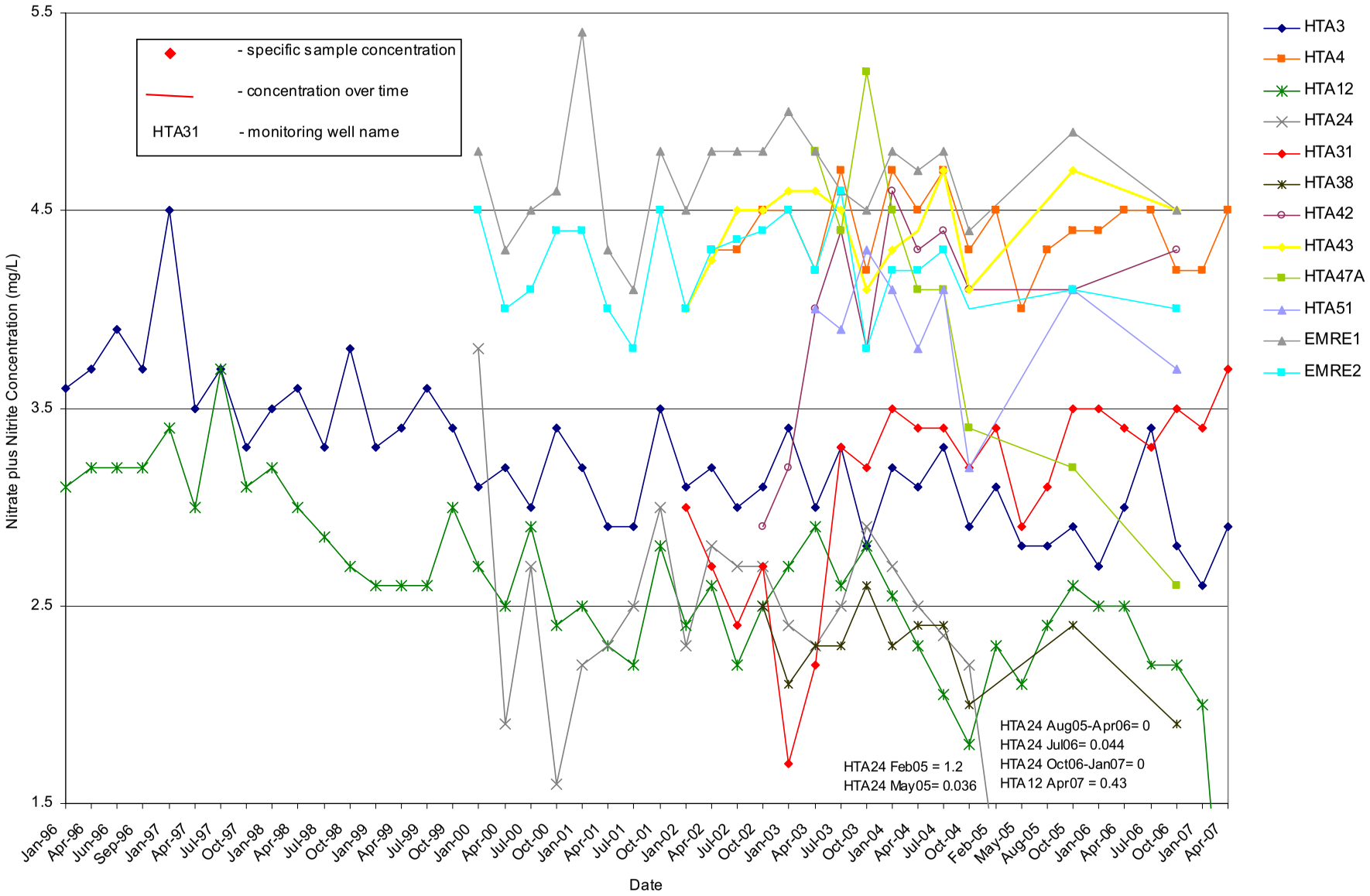


Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

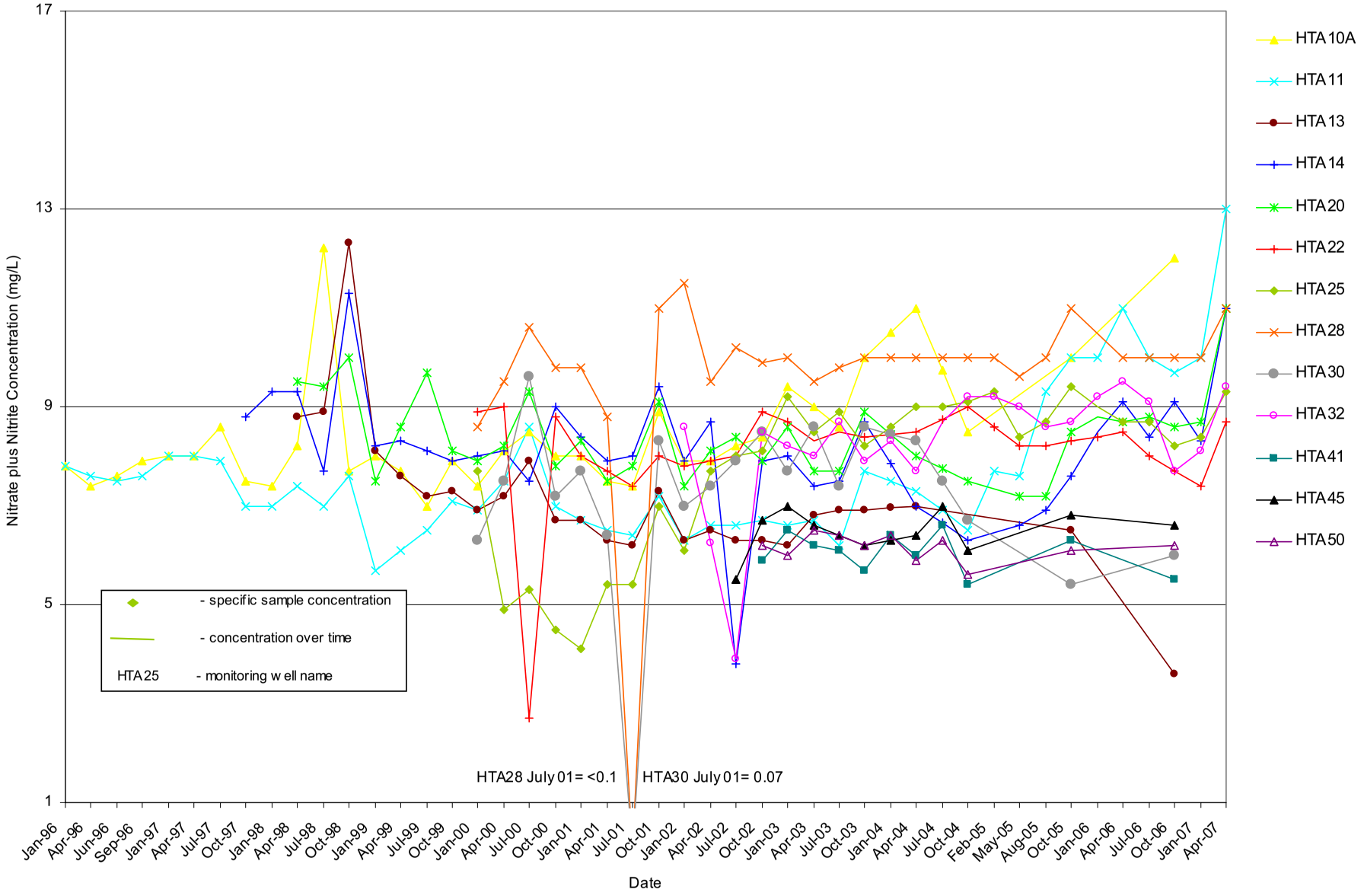


Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

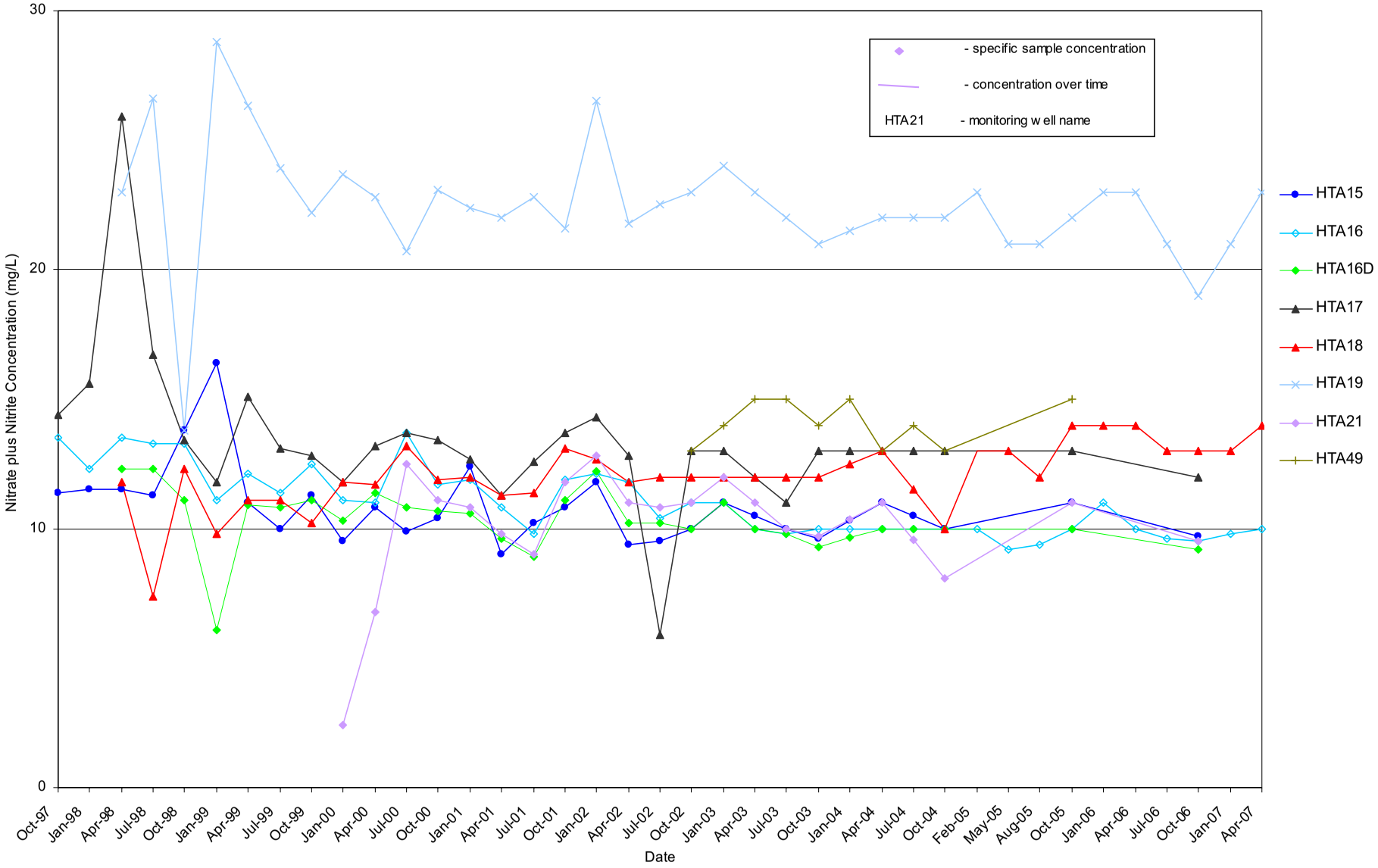


Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

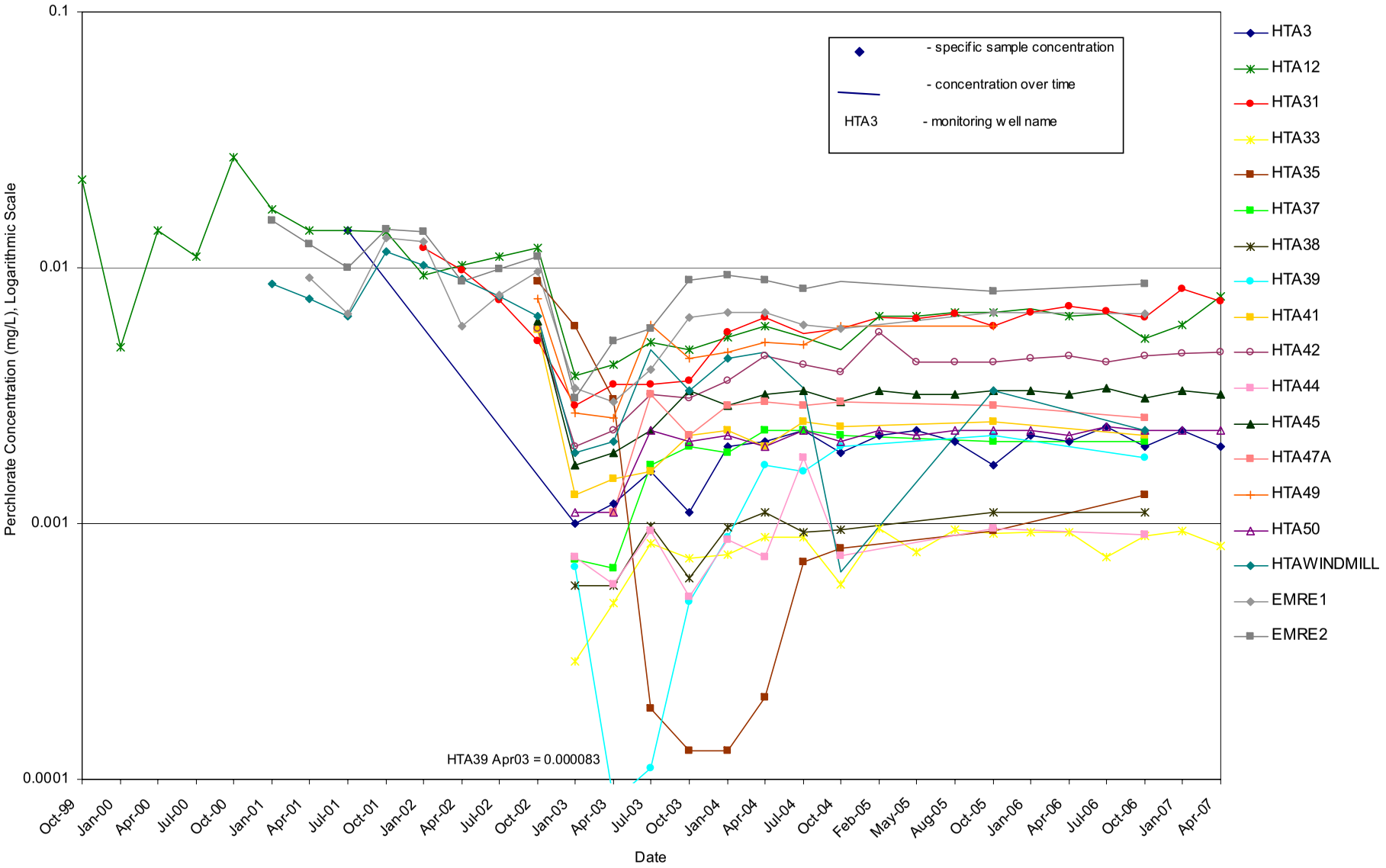


Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

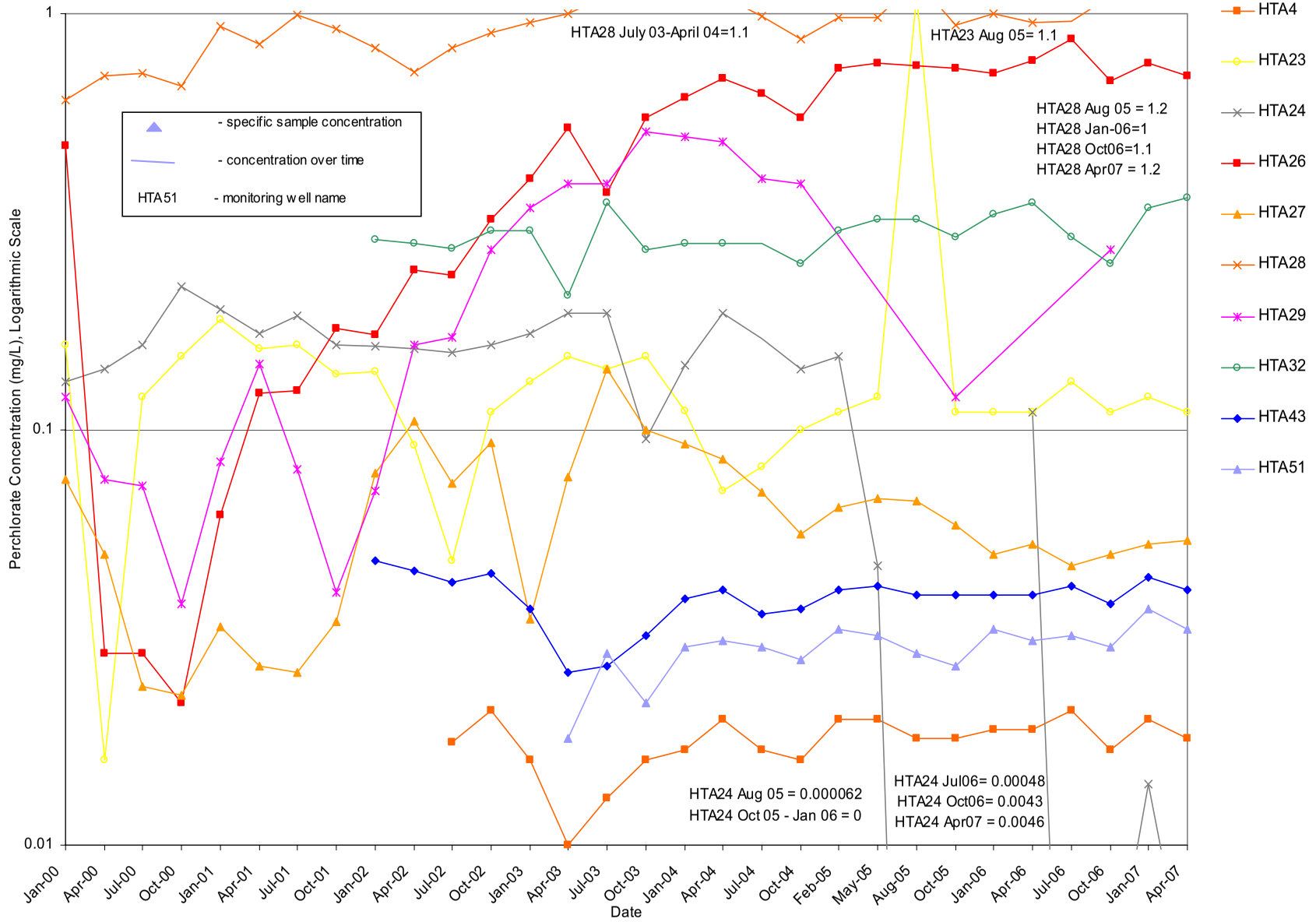


Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

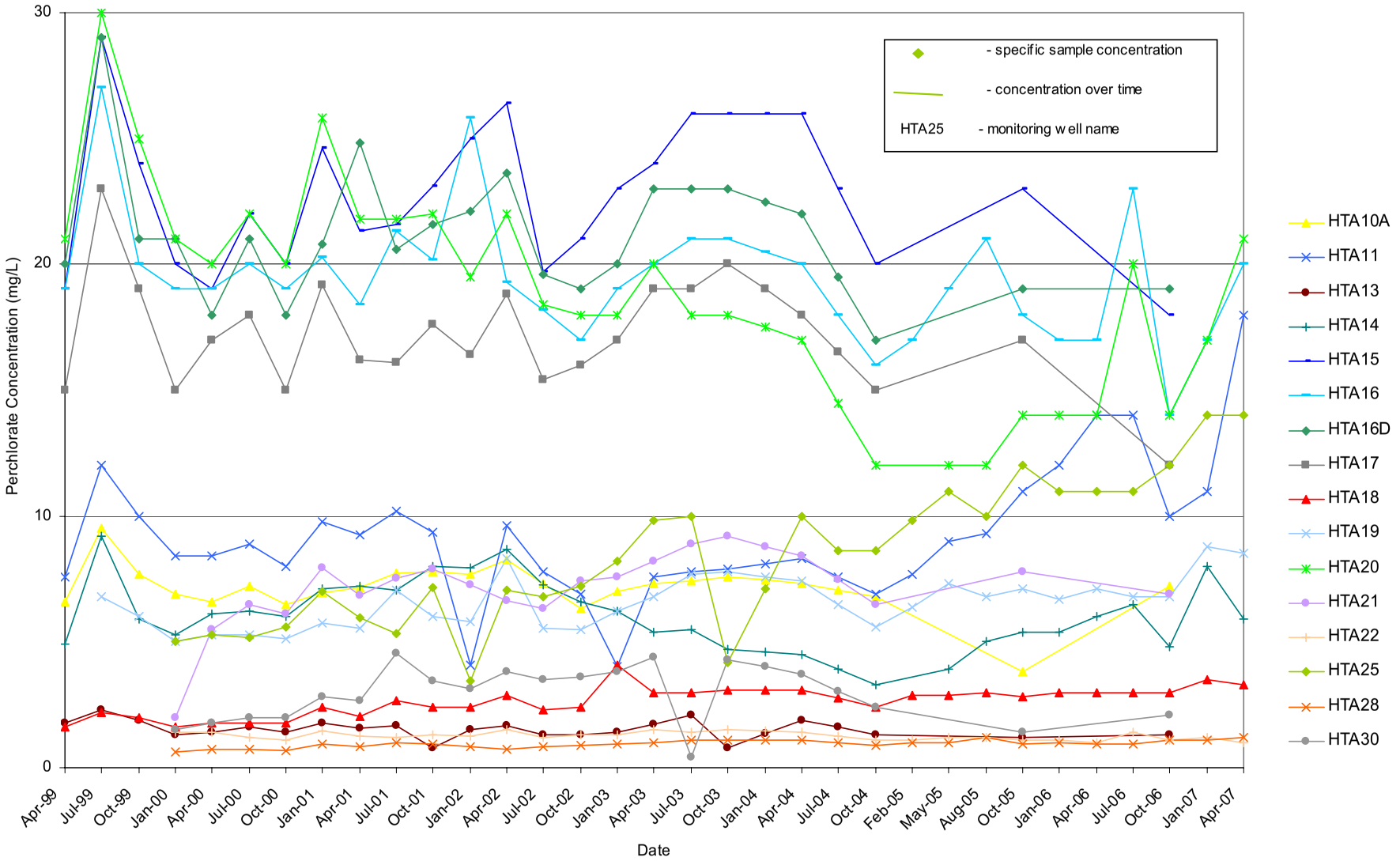


Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected April 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **NR**, analysis not requested; **ND**, not detected; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit, **COL**, more than 40% RPD between primary and confirmation detector results]

Sample ID:	HTA3		HTA4		HTA11		Field Duplicate HTA11-1		HTA12	
Sample date & time:	4/11/2007	1710	4/10/2007	1155	4/10/2007	1015	4/10/2007	1025	4/9/2007	1455
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	NR		NR		96	1.0	91	1.0	ND	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.9	0.1	4.5	0.1	13 Q	0.5	13 Q	0.5	0.43	0.1
Perchlorate, SW8321A (mg/L)	0.002	0.001	0.018	0.002	18.0	1.0	18.0	1.0	0.0077	0.001

Sample ID:	HTA14		Equipment Blank HTA14-EB		HTA16		HTA18		HTA19	
Sample date & time:	4/11/2007	1315	4/11/2007	1430	4/10/2007	1225	4/10/2007	1500	4/10/2007	1355
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	38	0.4	NR		33	0.4	NR		0.21	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	11 Q	0.5	NR		10 Q	0.5	14 Q	0.5	23 Q	0.5
Perchlorate, SW8321A (mg/L)	5.9	1.0	0.000031 J	0.0002	20.0	2.0	3.3	0.4	8.5	1.0

Sample ID:	HTA20		HTA22		HTA23		HTA24		HTA25	
Sample date & time:	4/9/2007	1550	4/10/2007	1800	4/11/2007	1425	4/11/2007	1230	4/9/2007	1645
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	59	1.0	ND	0.2	ND	0.2	ND	0.2	2.3 COL	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	11 Q	0.5	8.7 Q	0.5	1.6	0.1	ND	0.1	9.3 Q	0.5
Perchlorate, SW8321A (mg/L)	21.0	2.0	1.0	0.4	0.11	0.02	0.0046 J	0.01	14.0	1.0

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected April 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **COL**, more than 40% RPD between primary and confirmation detector results; **ND,** not detected; **NR**, analysis not requested; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA26		Field Duplicate HTA26-1		HTA27		HTA28		HTA31	
Sample date & time:	4/10/2007	1030	4/10/2007	1040	4/11/2007	1155	4/10/2007	1635	4/10/2007	1805
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	1.1 COL	0.2	1.3 COL	0.2	ND	0.2	NR		NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	5.3	0.1	5.4	0.1	0.84	0.1	11 Q	0.5	3.7	0.1
Perchlorate, SW8321A (mg/L)	0.71	0.1	0.74	0.1	0.054	0.01	1.2	0.1	0.0074	0.001

Sample ID:	HTA32		HTA33		HTA34		HTA42		HTA43	
Sample date & time:	4/9/2007	1750	4/11/2007	1625	4/9/2007	1405	4/10/2007	1315	4/10/2007	1600
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Nitrate & Nitrite, MCAWW353.2 (mg/L)	9.4 Q	0.5	NR		NR		NR		NR	
Perchlorate, SW8321A (mg/L)	0.36	0.04	0.00082 J	0.001	ND	0.001	0.0047	0.001	0.041	0.004

Sample ID:	HTA45		HTA46		HTA50		HTA51		SMR1A	
Sample date & time:	4/10/2007	1705	4/10/2007	1445	4/11/2007	1010	4/11/2007	1055	4/11/2007	0900
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perchlorate, SW8321A (mg/L)	0.0032	0.001	ND	0.001	0.0023	0.001	0.033	0.004	0.00058 J	0.001

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of
Samples Collected July 9, 10, and 11, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
October 2007

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Analytical Results from Severn Trent Services Laboratory for Ground Water Samples Collected July 9, 10, and 11, 2007

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Container and Preservation Requirements and Field Data

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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HAT31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected July 9, 10, and 11, 2007. Wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31-34, 42, 43, 45, 46, 50, 51, and SMR1A (production well for the Small Missile Range) were sampled this round. Total explosives (method SW8330) were analyzed in ground-water samples from wells HTA11, 12, 14, 16, 19, 20, 22-27, 32, and 46. Nitrate plus nitrite (method MCAWW353.2) were analyzed in ground-water samples from wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31, and 32. Perchlorate (method 8321A) was analyzed in ground-water samples from all the wells sampled. TestAmerica Laboratories (TAL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the July 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and 11)

show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12 through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the July 2007 sampling round are listed below:

Ground water from wells HTA11, HTA14, HTA16, and HTA20 showed the largest RDX concentrations, at 110 micrograms per liter (µg/L), 36 µg/L, 29 µg/L, and 58 µg/L, respectively (table 1). RDX concentrations in water from wells HTA19, HTA25, and HTA26, ranged from 0.20 µg/L (HTA19) to 2.1 µg/L (HTA25).

Ground water from well HTA19 continued to show the largest concentration of nitrate plus nitrite (21 mg/L) (fig. 17). Wells HTA11, HTA18, HTA19, HTA20, and HTA28 showed concentrations at or larger than 10 mg/L (table 1).

Ground water from wells HTA11, HTA16 and HTA20 show the largest concentrations of perchlorate, at 26 mg/L, 19 mg/L, and 25 mg/L, respectively. HTA11 showed the largest increase in perchlorate over the previous sampling round, going from 18 mg/L to 26 mg/L.

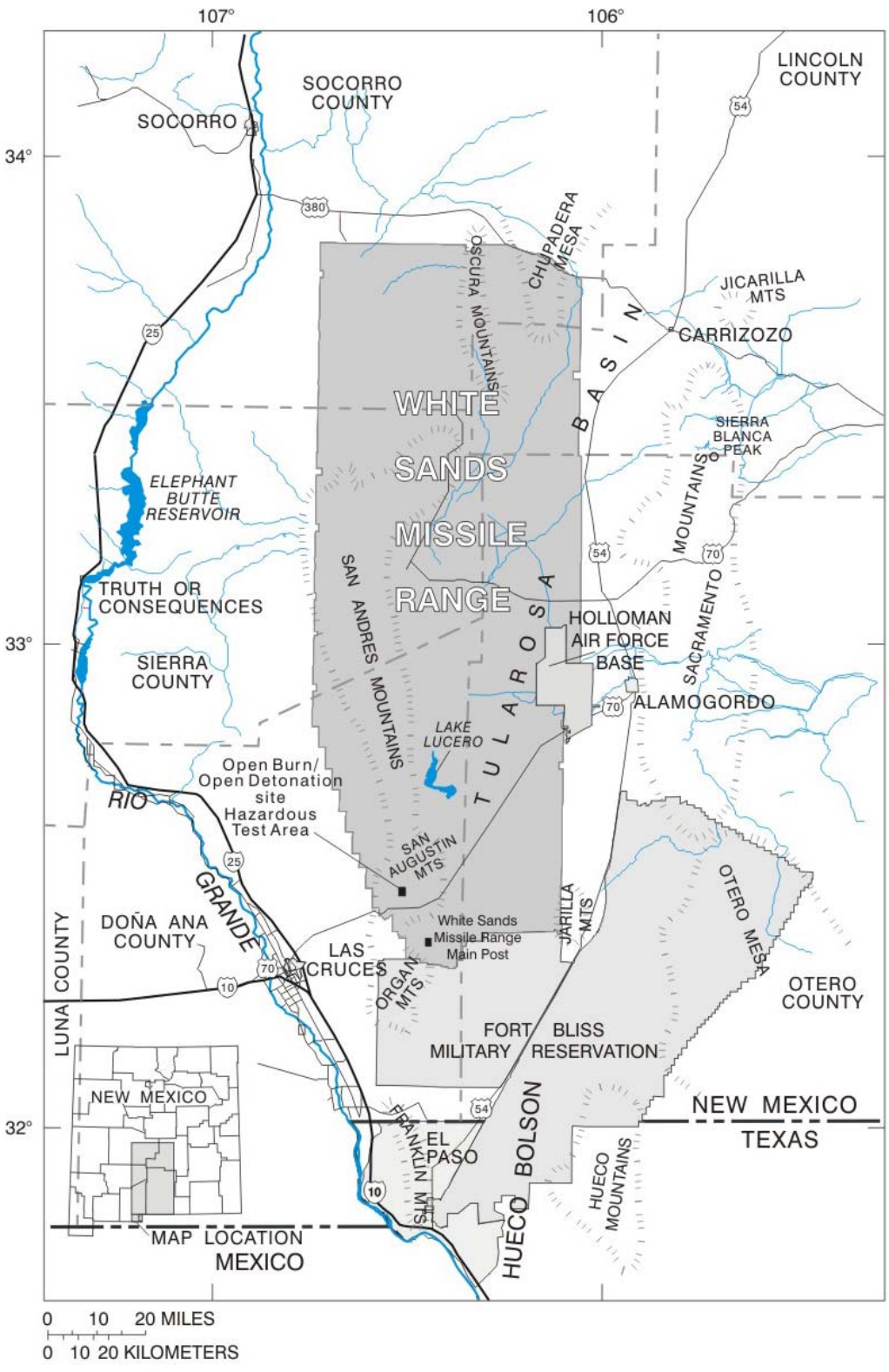


Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

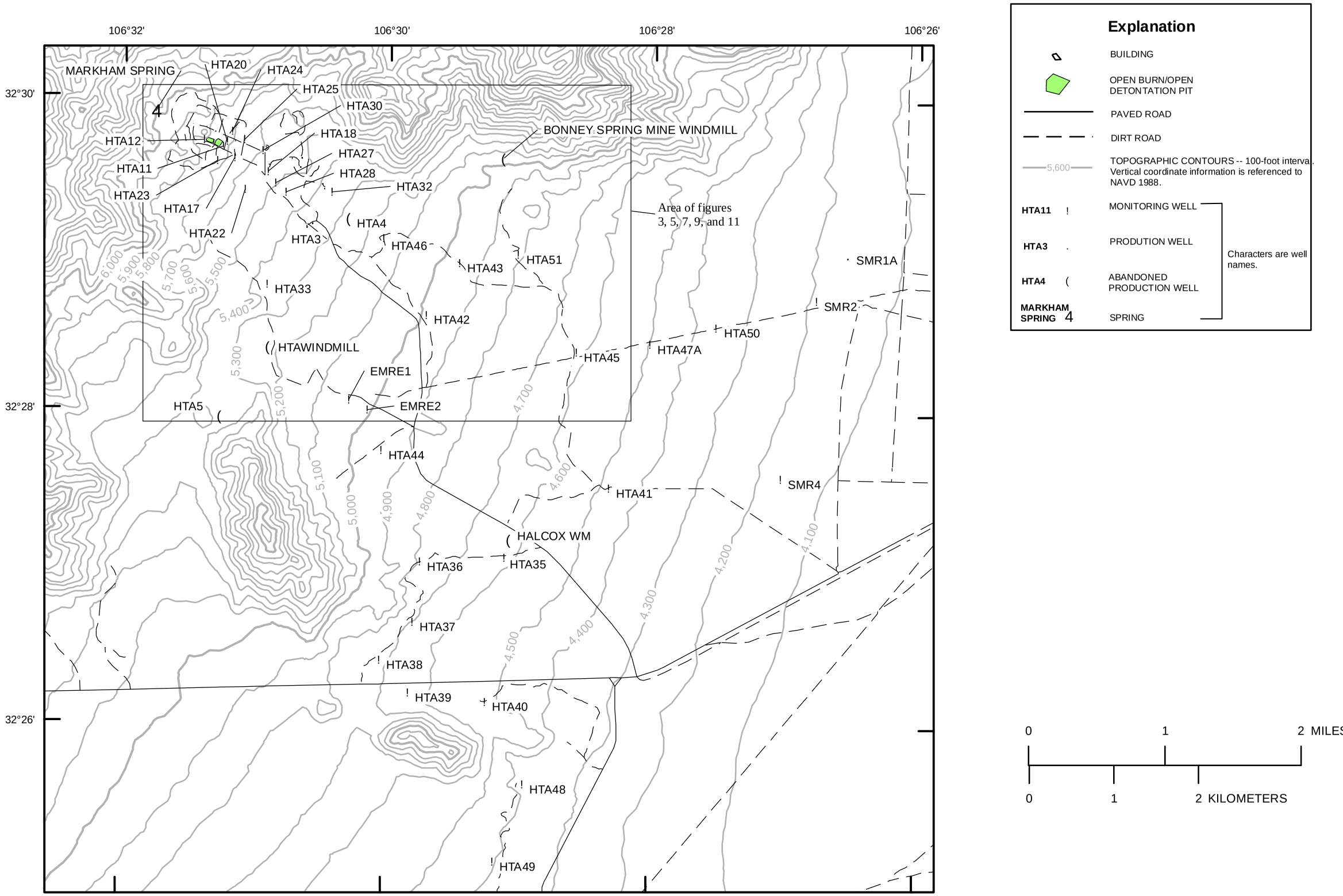


Figure 2. Location of wells at the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

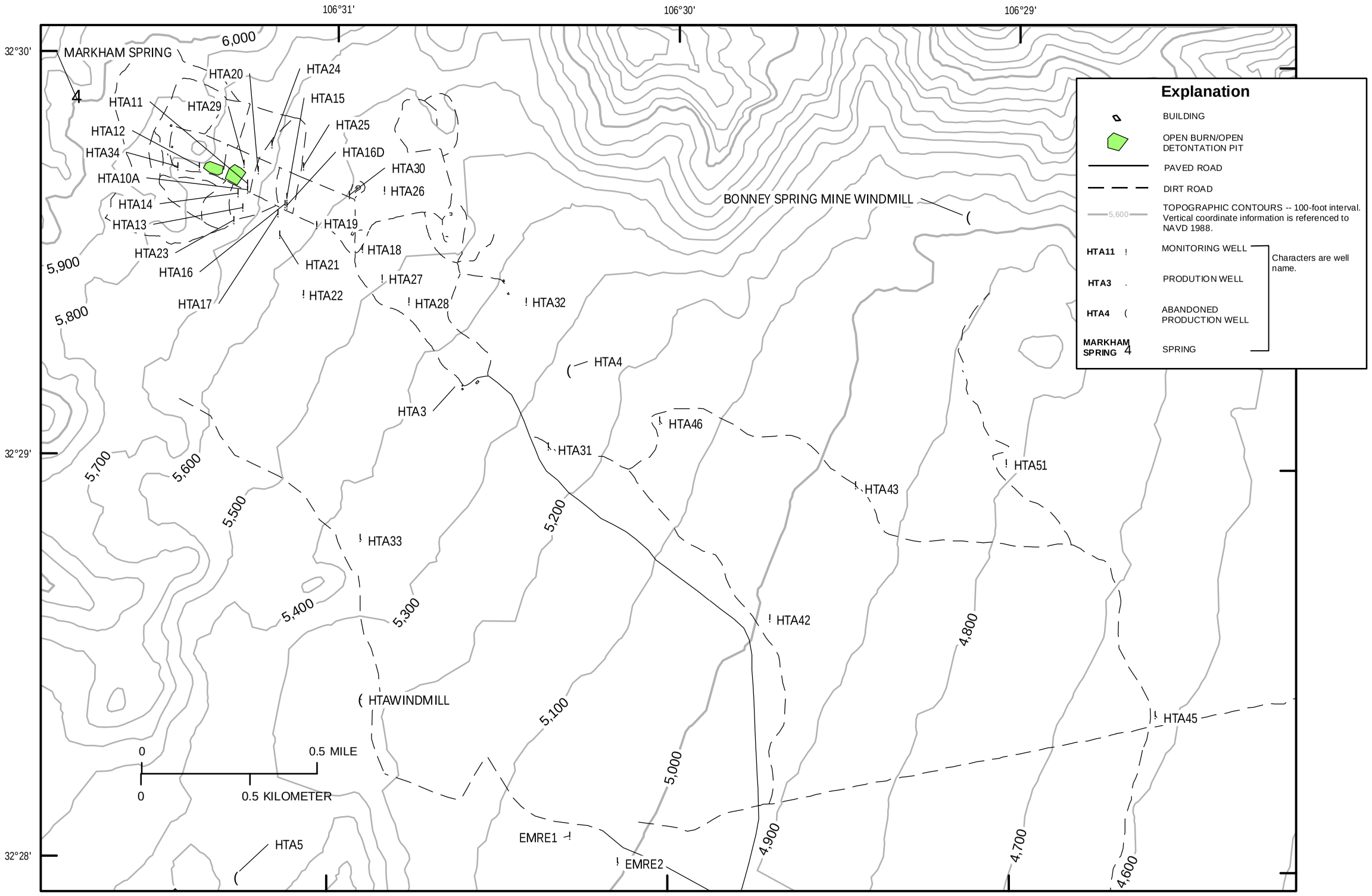
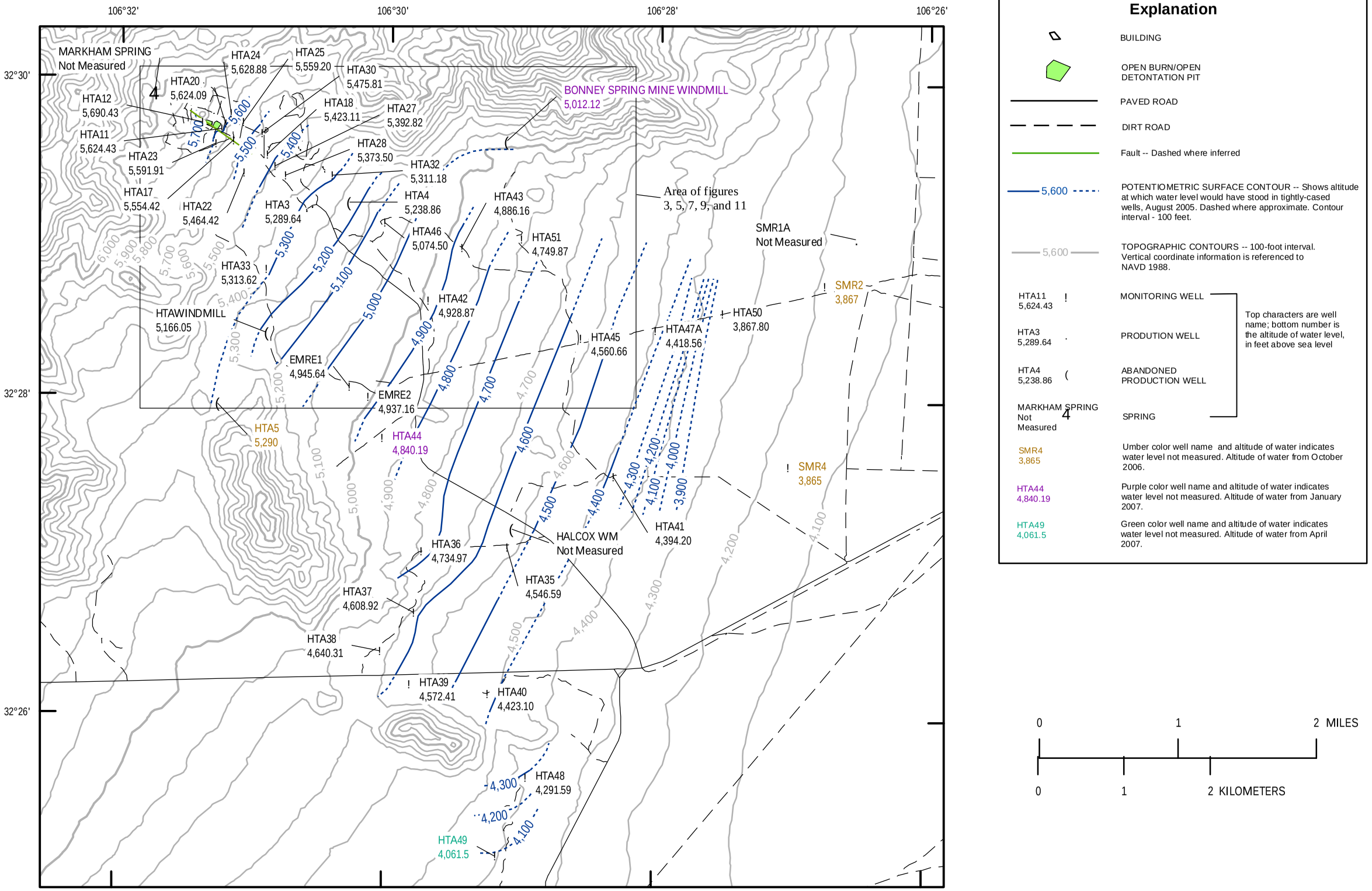


Figure 3. Location of wells at the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- Fault -- Dashed where inferred
- 5,600 — POTENTIOMETRIC SURFACE CONTOUR -- Shows altitude at which water level would have stood in tightly-cased wells, August 2005. Dashed where approximate. Contour interval - 100 feet.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 5,624.43 — MONITORING WELL
- HTA3 5,289.64 — PRODUTION WELL
- HTA4 5,238.86 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING Not Measured — SPRING

Top characters are well name; bottom number is the altitude of water level, in feet above sea level

- SMR4 3,865 — Umber color well name and altitude of water indicates water level not measured. Altitude of water from October 2006.
- HTA44 4,840.19 — Purple color well name and altitude of water indicates water level not measured. Altitude of water from January 2007.
- HTA49 4,061.5 — Green color well name and altitude of water indicates water level not measured. Altitude of water from April 2007.

0 1 2 MILES
0 1 2 KILOMETERS

Figure 4. Approximate altitude of the potentiometric surface, July 9, 10, and 11, 2007, in the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

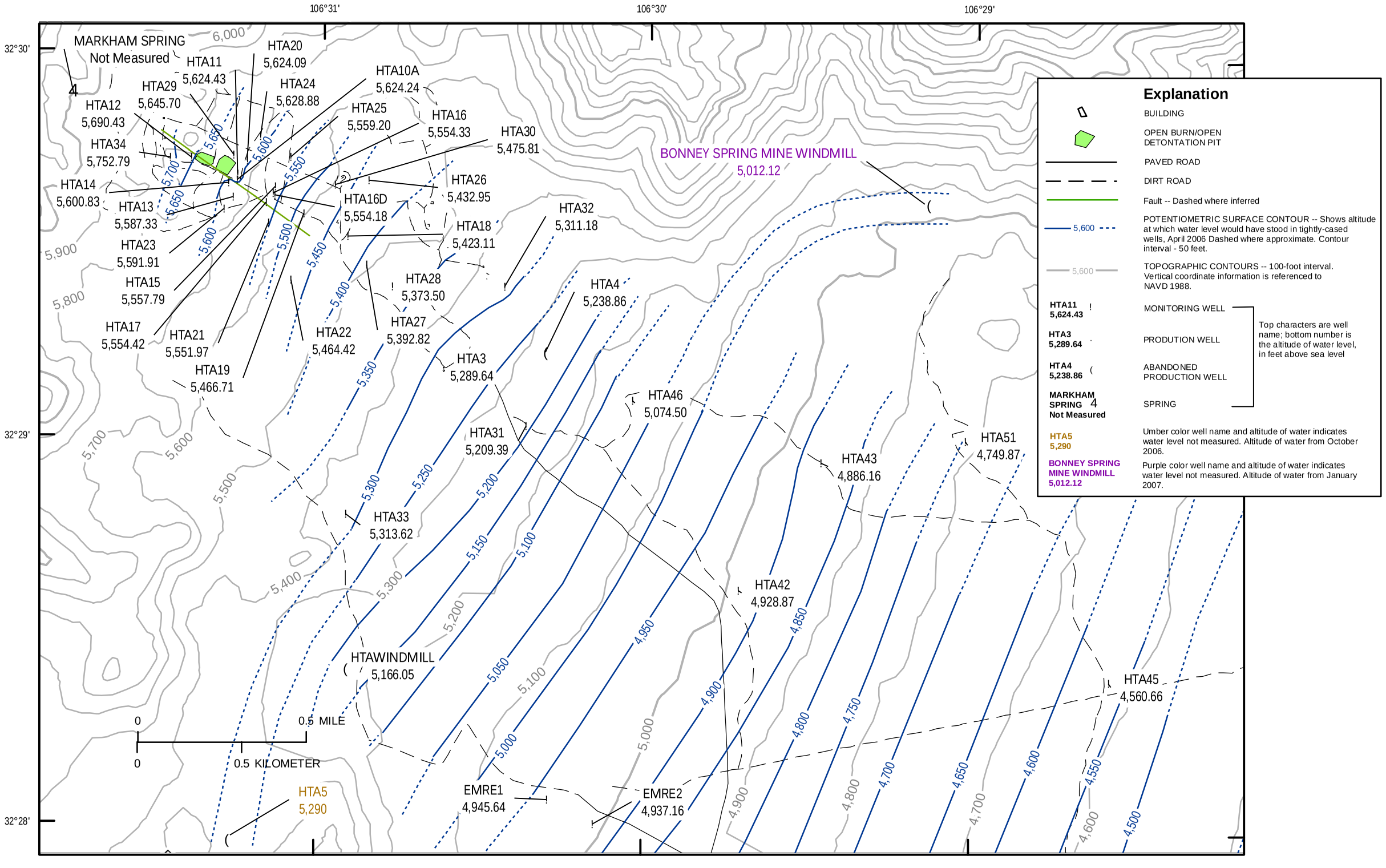


Figure 5. Approximate altitude of the potentiometric surface, July 9, 10, and 11, 2007, in the area downgradient from the Open Burn / Open Demolition Unit, U.S. Army White Sands Missile Range, New Mexico.

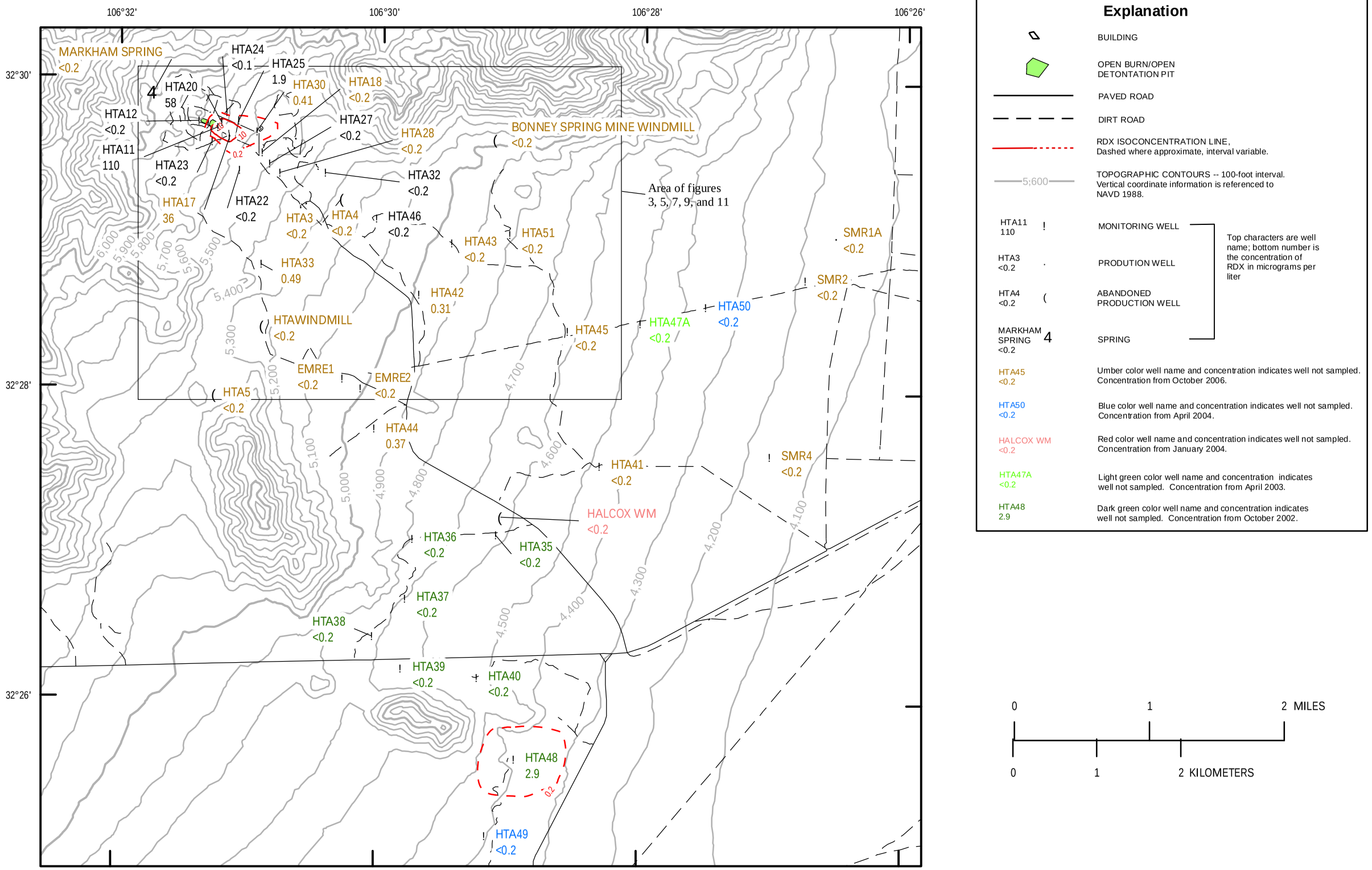


Figure 6. Selected concentrations of RDX in ground water in the Hazardous Test Area, July 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

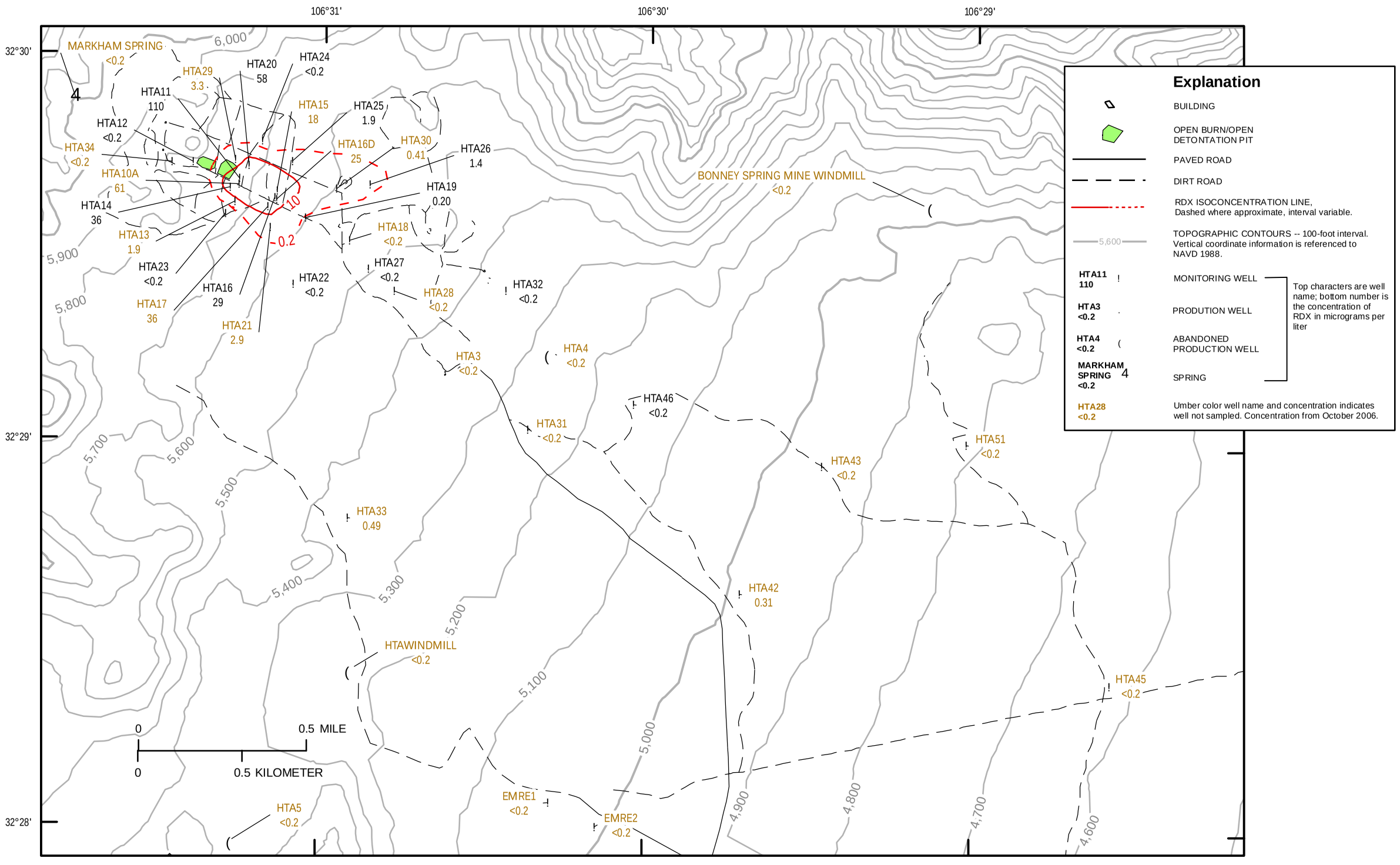
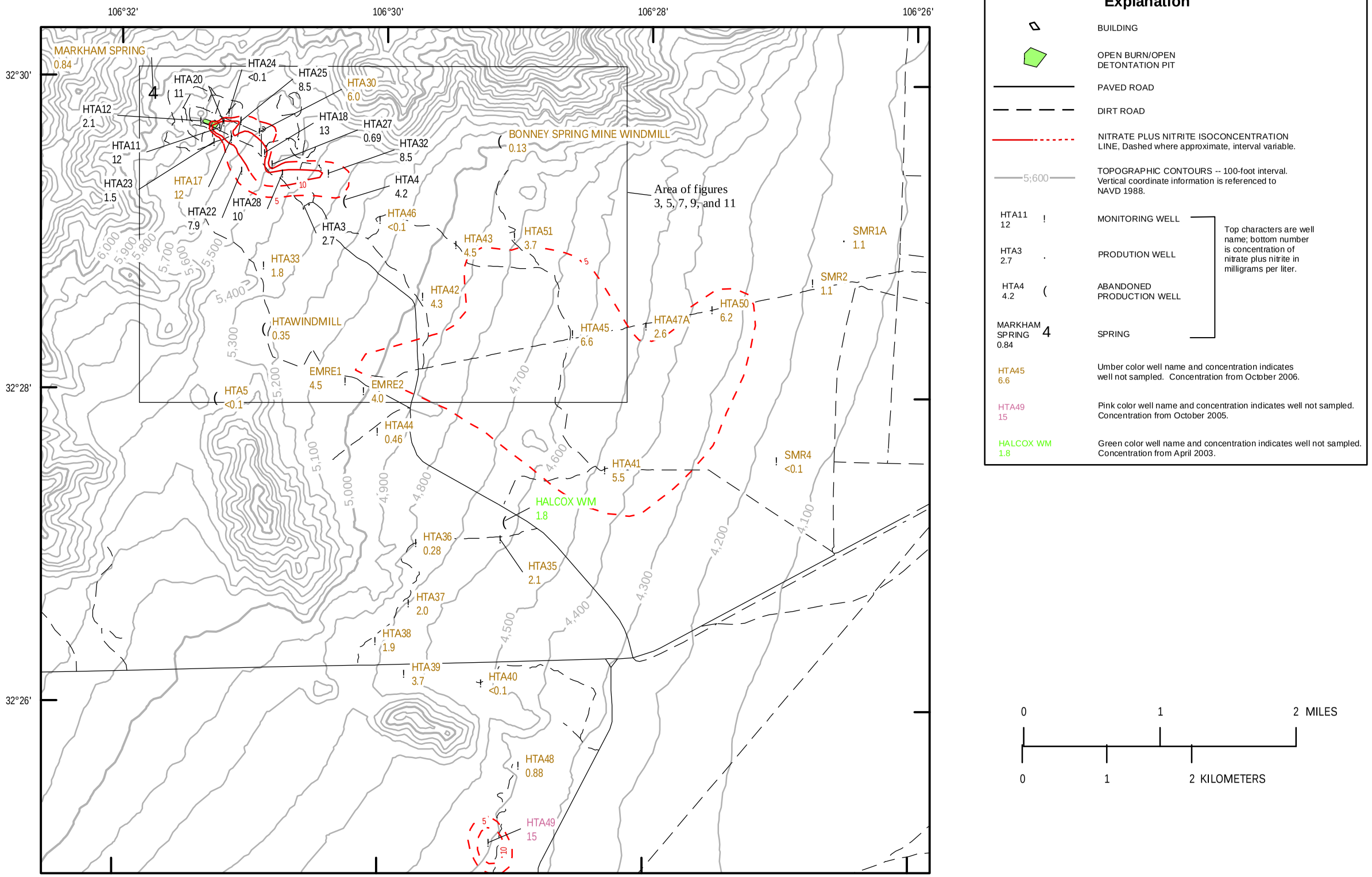


Figure 7. Concentrations of RDX in ground water downgradient from the Open Burn / Open Demolition Unit, July 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- NITRATE PLUS NITRITE ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 12 — MONITORING WELL
- HTA3 2.7 — PRODUTION WELL
- HTA4 4.2 — ABANDONED PRODUCTION WELL

  Top characters are well name; bottom number is concentration of nitrate plus nitrite in milligrams per liter.
- MARKHAM SPRING 0.84 — 4 — SPRING
- HTA45 6.6 — Umber color well name and concentration indicates well not sampled. Concentration from October 2006.
- HTA49 15 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HALCOX WM 1.8 — Green color well name and concentration indicates well not sampled. Concentration from April 2003.

0 1 2 MILES

0 1 2 KILOMETERS

Figure 8. Selected concentrations of nitrate plus nitrite in ground water in the Hazardous Test Area, June 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

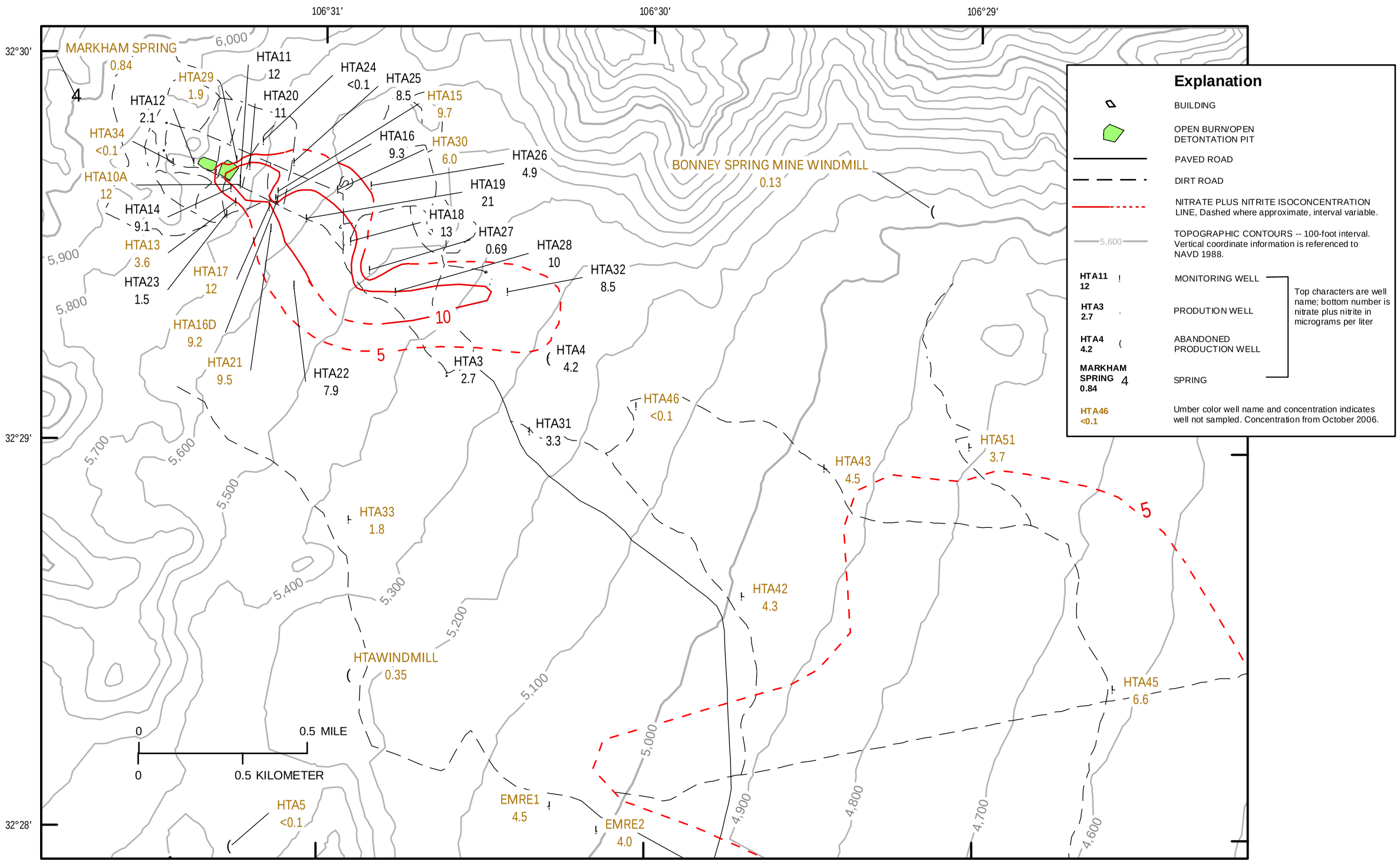
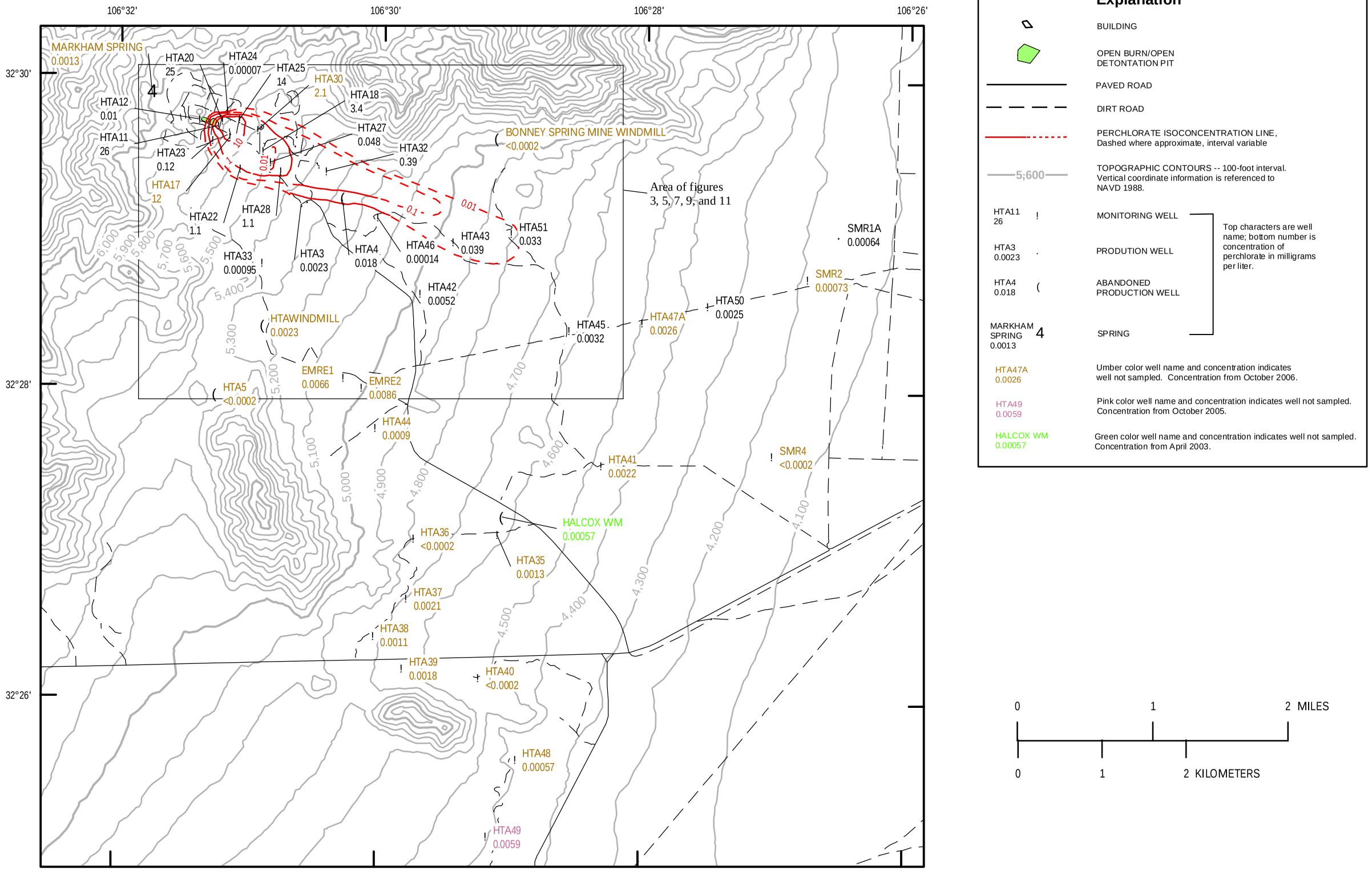


Figure 9. Concentration of nitrate plus nitrite in ground water downgradient from the Open Burn / Open Demolition Unit, June 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- PERCHLORATE ISOCONCENTRATION LINE, Dashed where approximate, interval variable
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 26 — MONITORING WELL
- HTA3 0.0023 — PRODUTION WELL
- HTA4 0.018 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.0013 — SPRING

Top characters are well name; bottom number is concentration of perchlorate in milligrams per liter.

- HTA47A 0.0026 — Umber color well name and concentration indicates well not sampled. Concentration from October 2006.
- HTA49 0.0059 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HALCOX WM 0.00057 — Green color well name and concentration indicates well not sampled. Concentration from April 2003.

0 1 2 MILES

0 1 2 KILOMETERS

Figure 10. Selected concentrations of perchlorate in ground water in the Hazardous Test Area, July 9, 10,and 11, U.S. Army White Sands Missile Range, New Mexico.

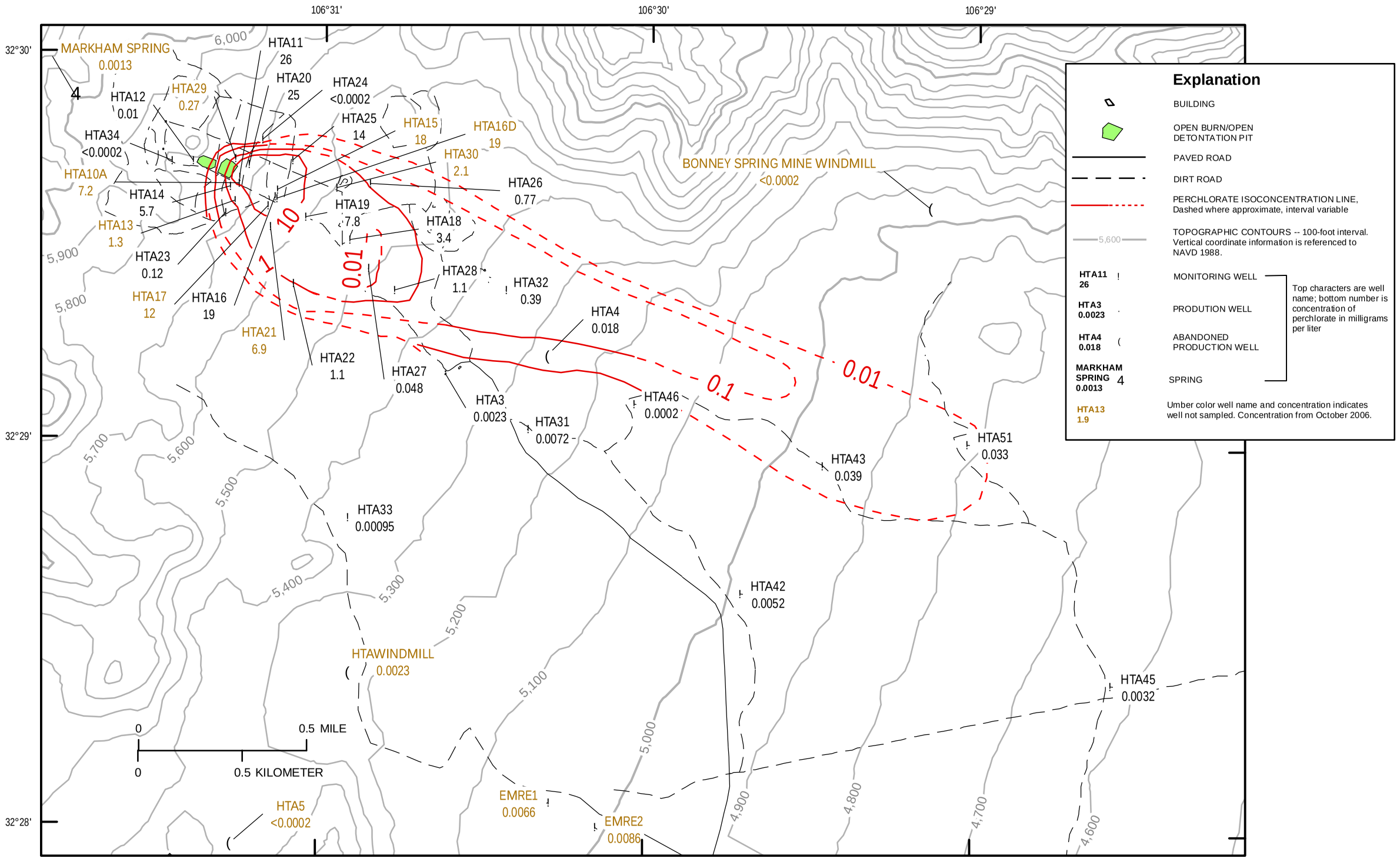


Figure 11. Concentrations of perchlorate in ground water downgradient from the Open Burn / Open Demolition Unit, July 9,10,and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

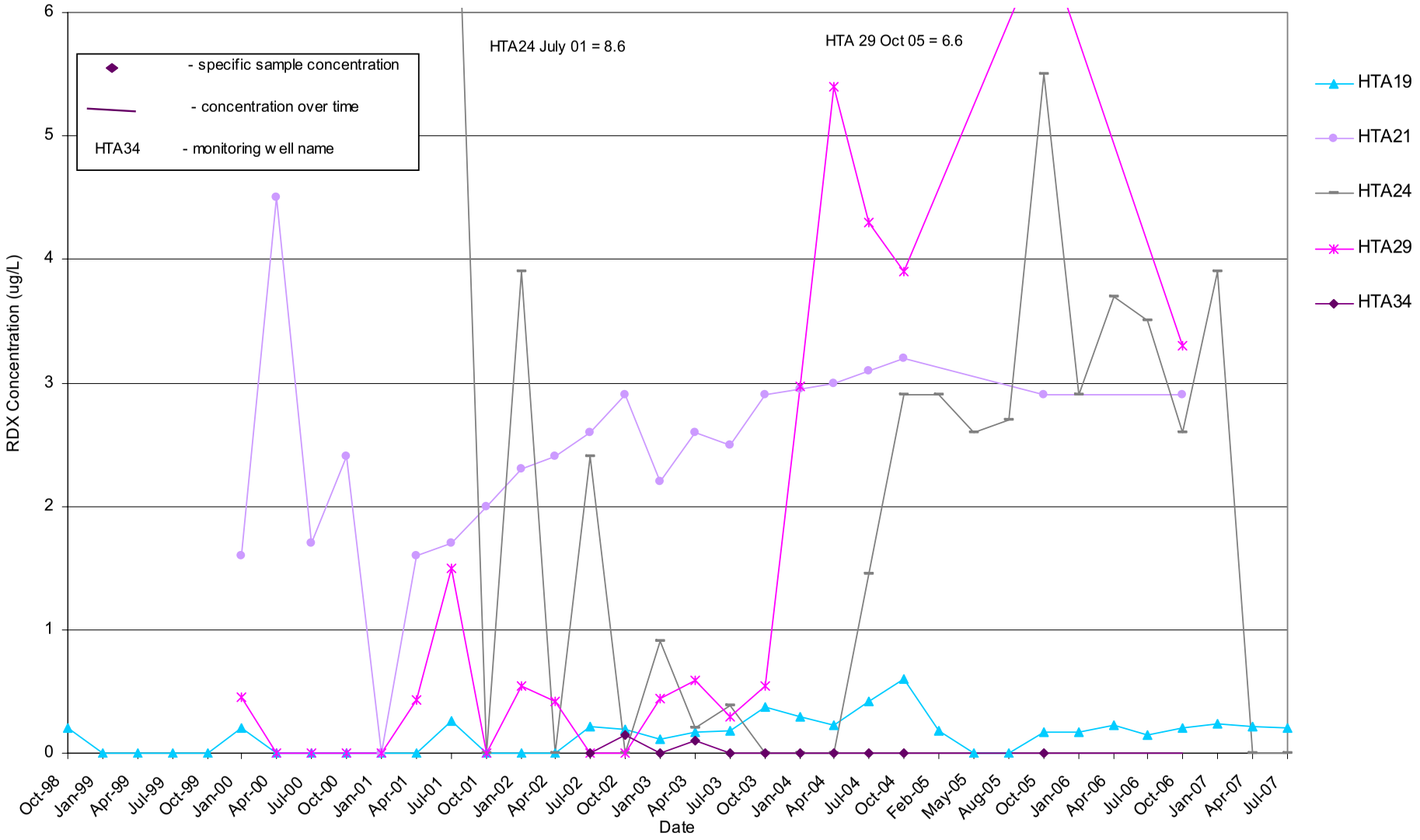


Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

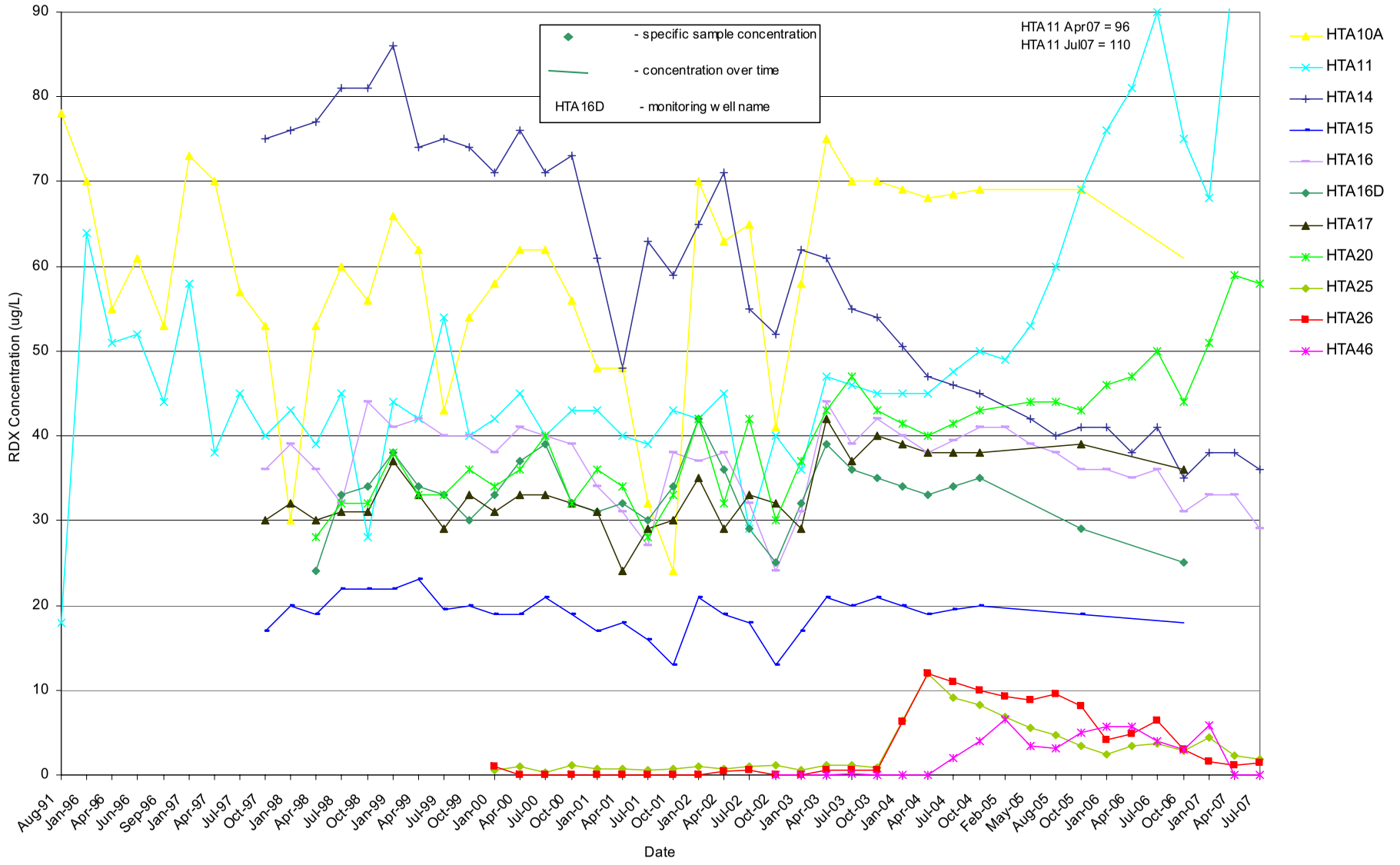


Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

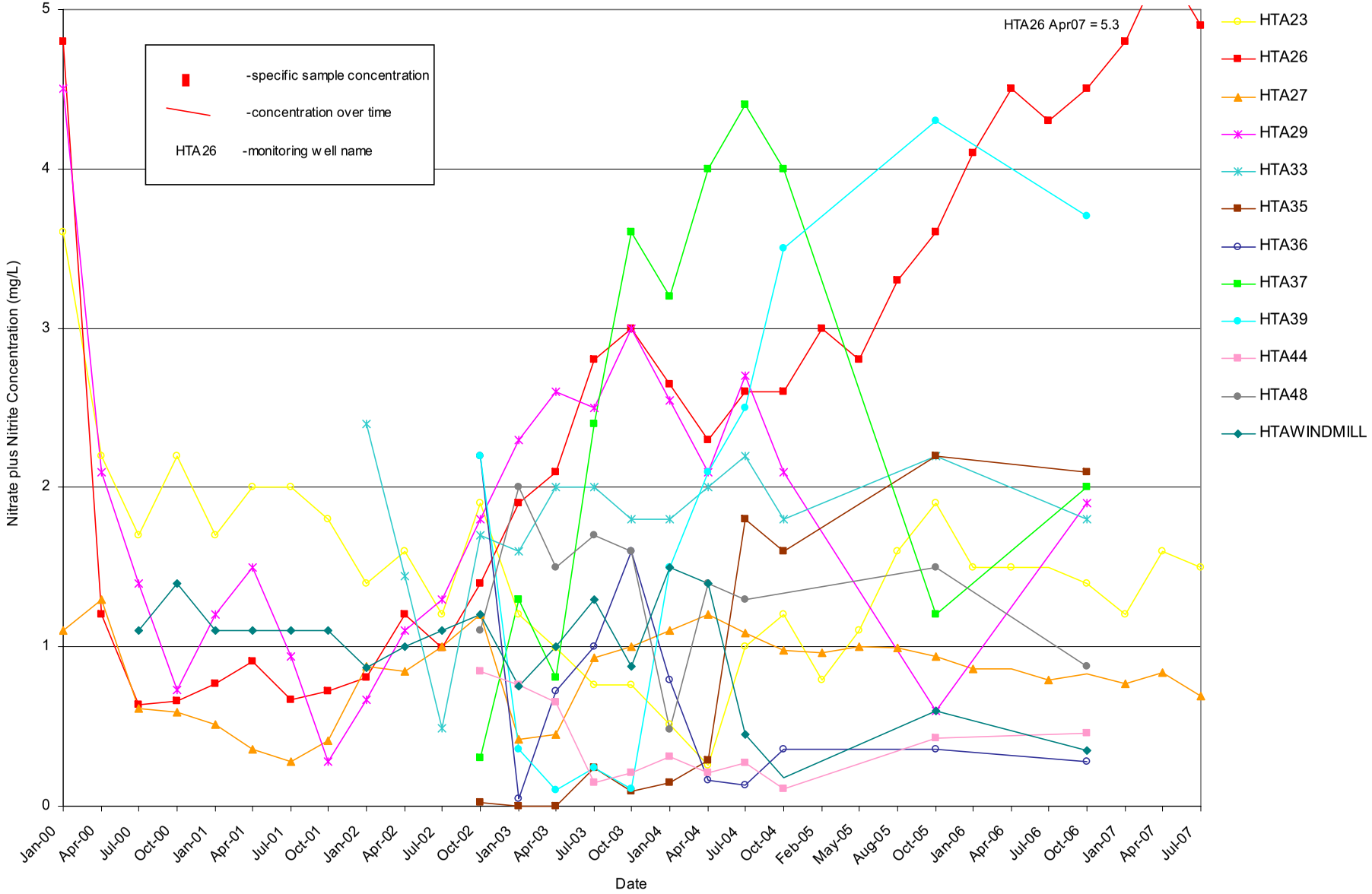


Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico

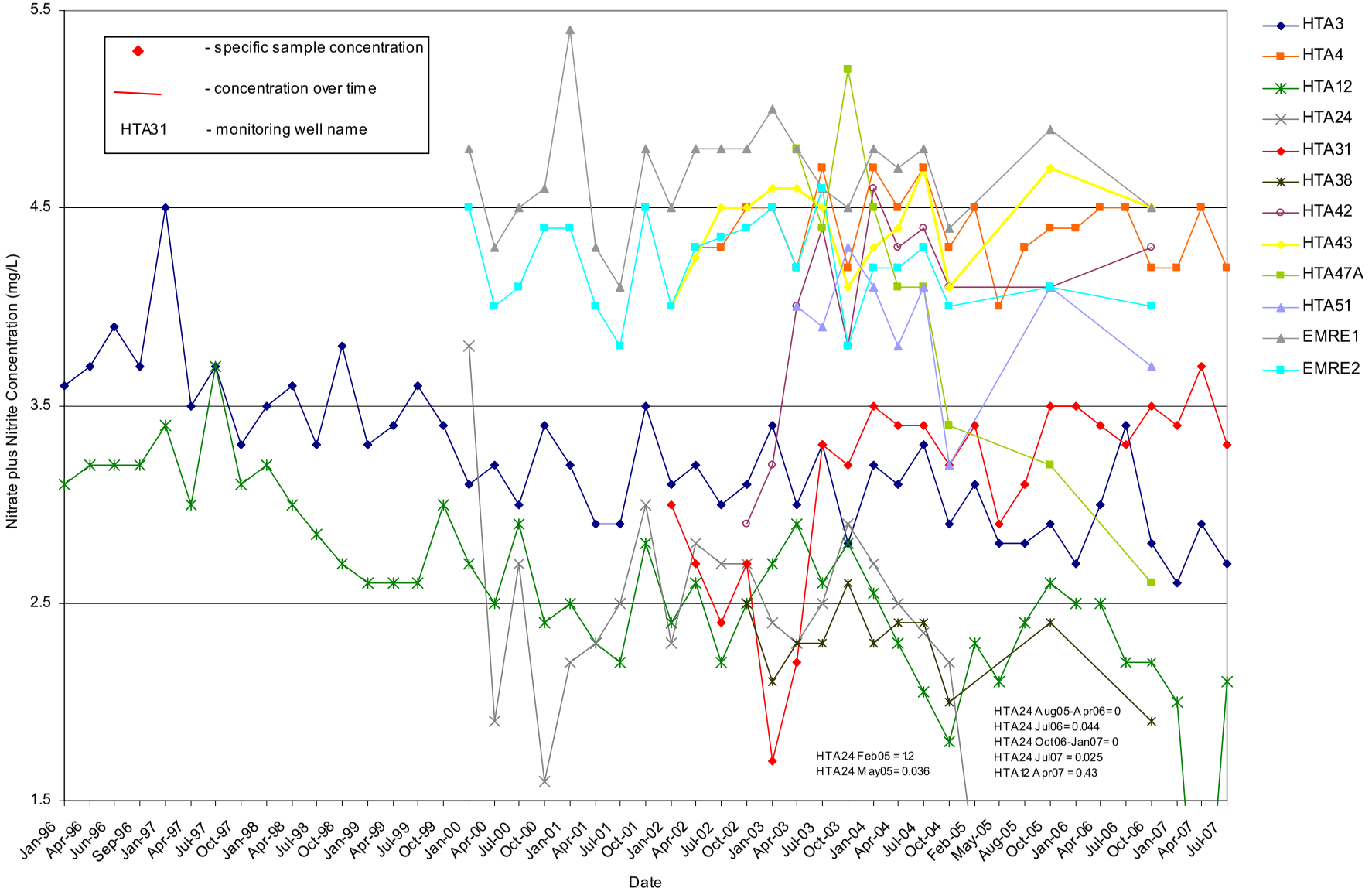


Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

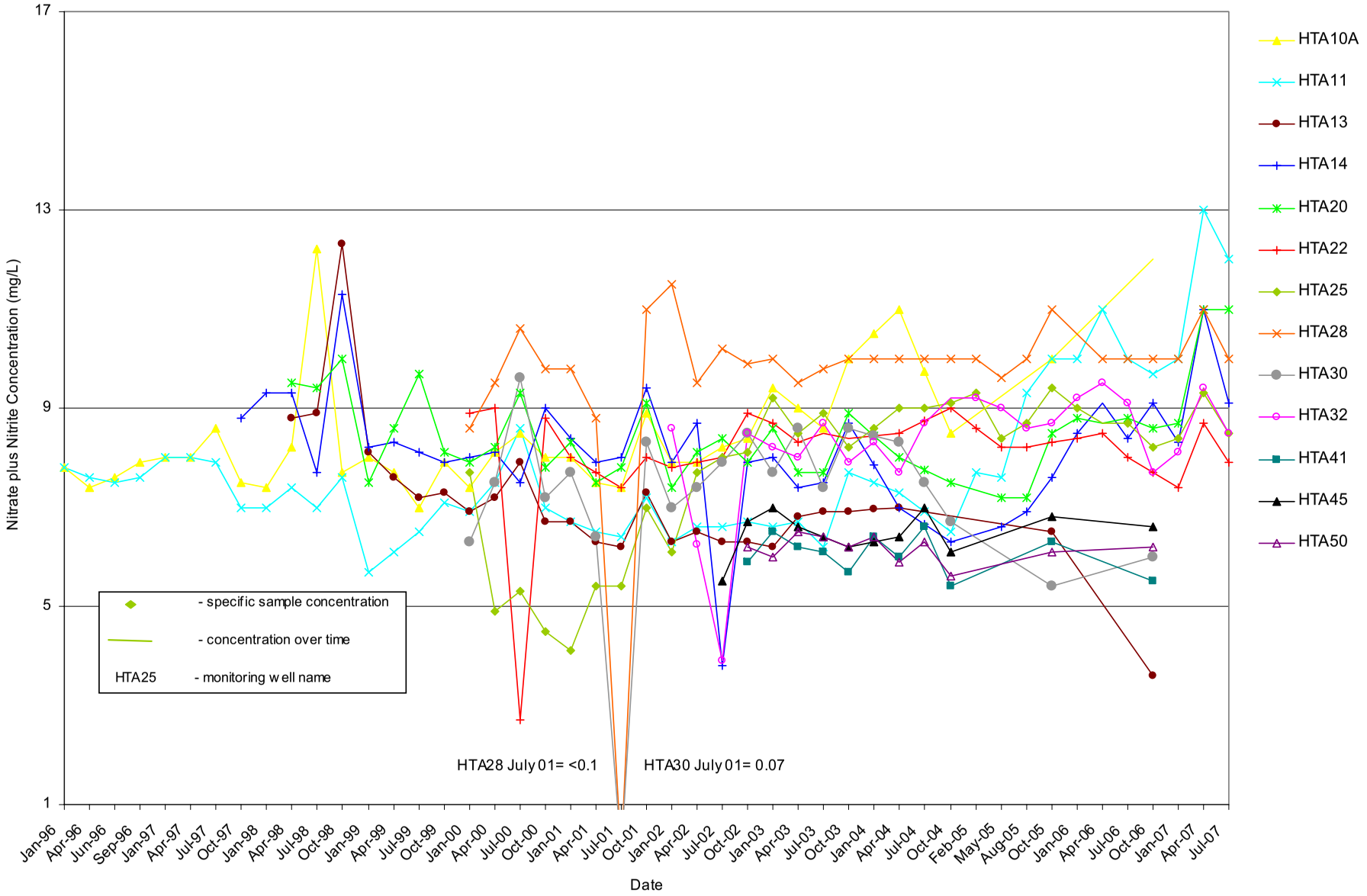


Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

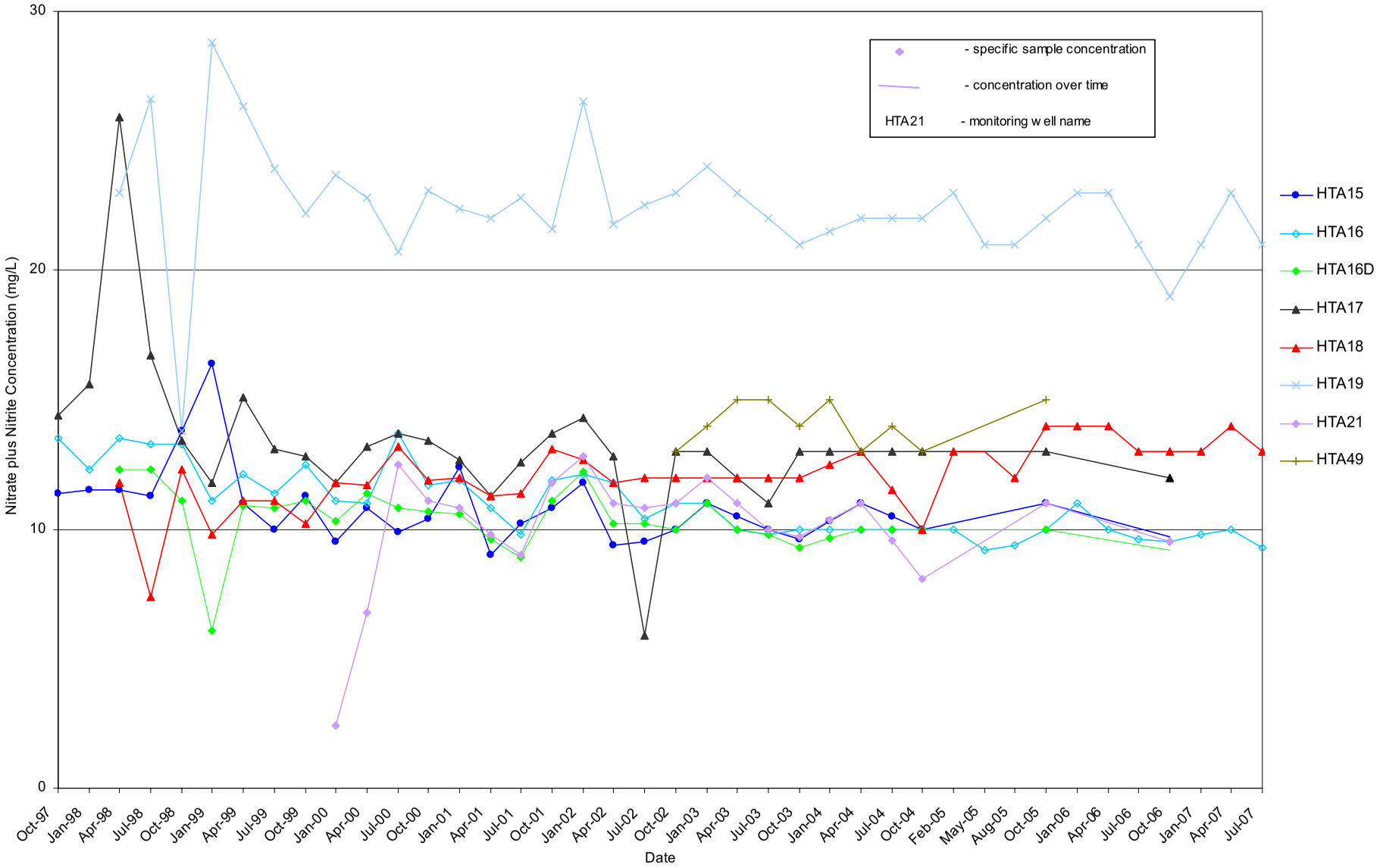


Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

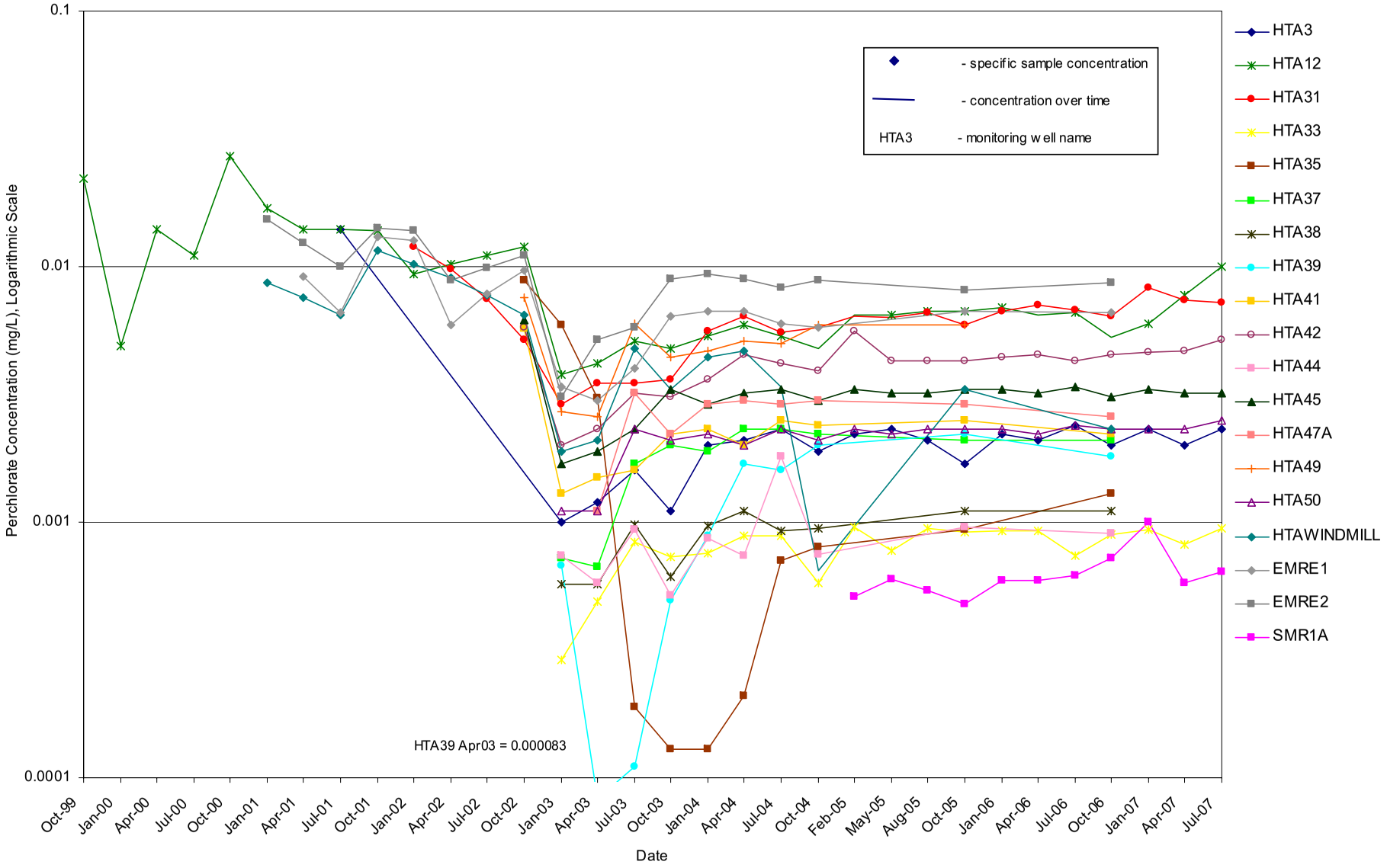


Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

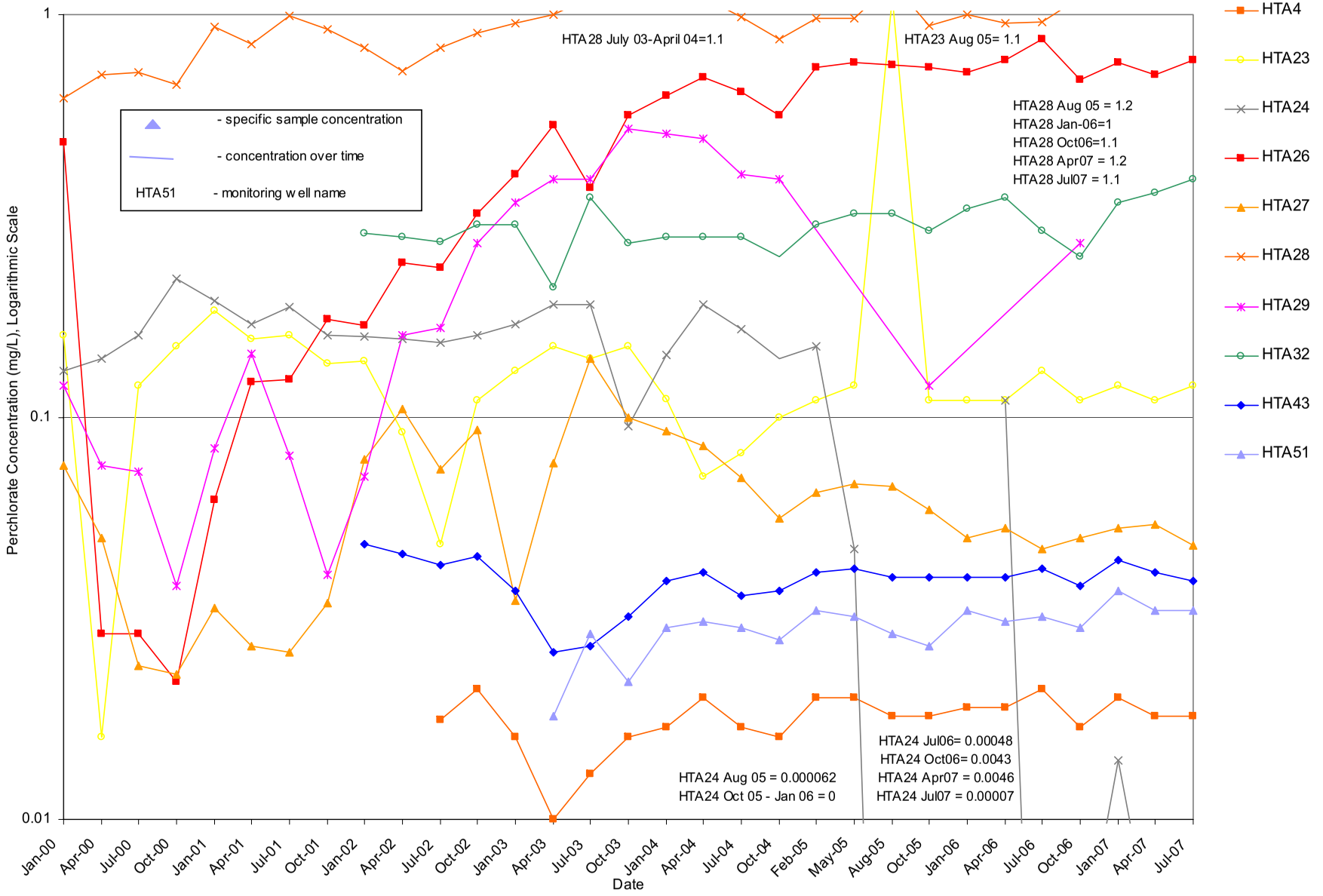


Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to

July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

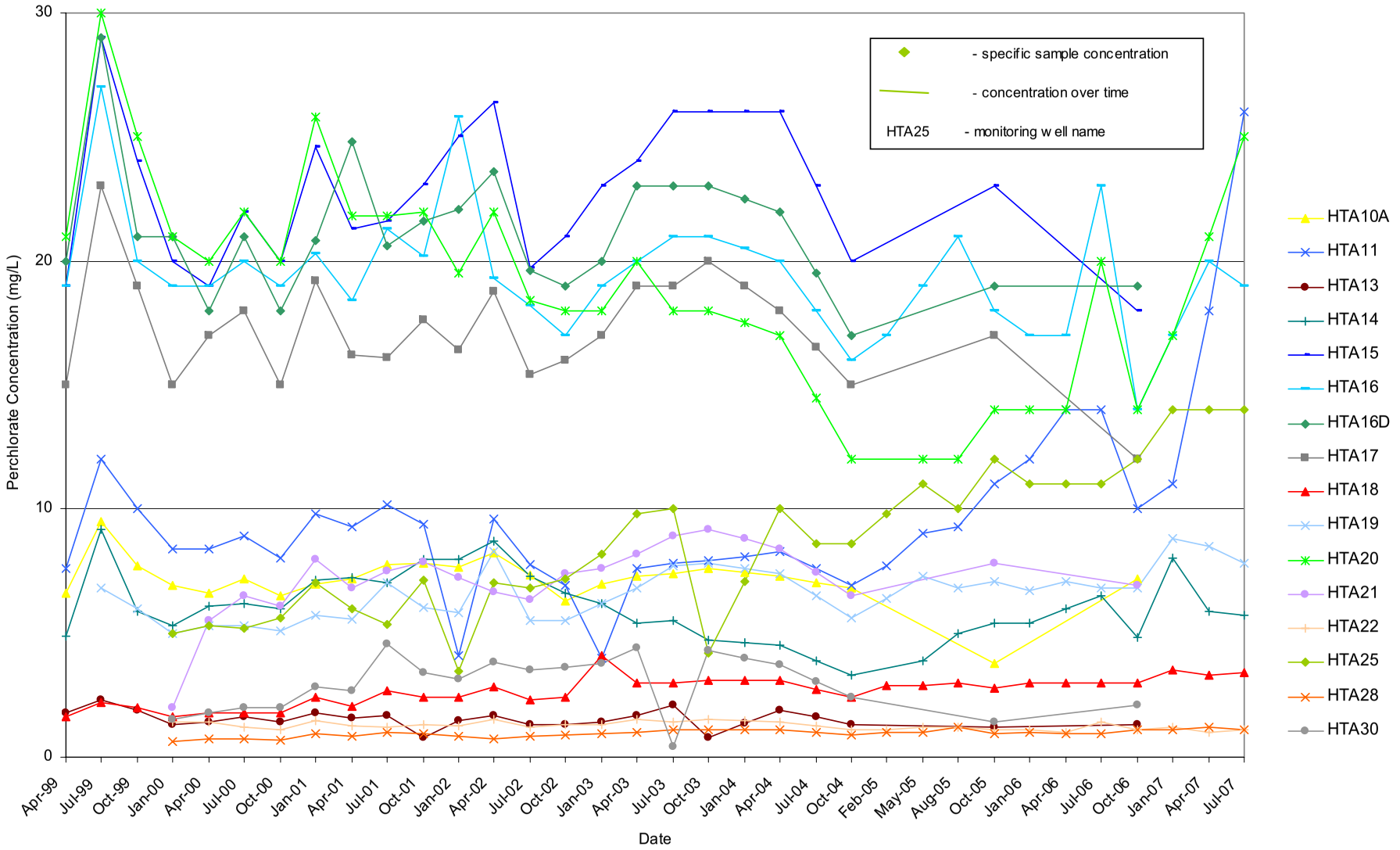


Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected July 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **NR**, analysis not requested; **ND**, not detected; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit, **COL**, more than 40% RPD between primary and confirmation detector results]

Sample ID:	HTA3		HTA4		HTA11		HTA12		HTA14	
Sample date & time:	7/11/2007	1710	7/10/2007	1615	7/10/2007	1240	7/10/2007	1130	7/11/2007	1720
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	NR		NR		110.0	2.0	ND	0.2	36.0	0.4
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.7	0.1	4.2	0.1	12 Q	0.2	2.1	0.1	9.1 Q	0.5
Perchlorate, SW8321A (mg/L)	0.0023	0.001	0.018	0.0005	26.0	1.0	0.01	0.0002	5.7	0.1

Sample ID:	HTA16		HTA18		HTA19		HTA20		Field Duplicate HTA20	
Sample date & time:	7/10/2007	1345	7/10/2007	1540	7/10/2007	1450	7/10/2007	1640	7/10/2007	1645
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	29	0.4	NR		0.20	0.2	58	1.0	60	1.0
Nitrate & Nitrite, MCAWW353.2 (mg/L)	9.3 Q	0.5	13 Q	0.5	21Q	0.5	11 Q	0.5	10 Q	0.2
Perchlorate, SW8321A (mg/L)	19.0	5.0	3.4	1.0	7.8	0.2	25.0	10	24.0	1.0

Sample ID:	HTA22		HTA23		HTA24		HTA25		HTA26	
Sample date & time:	7/11/2007	1610	7/11/2007	1320	7/9/2007	1415	7/11/2007	1415	7/11/2007	1510
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	ND	0.2	ND	0.2	1.9 COL	0.2	1.4 COL	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	7.9	0.1	1.5	0.1	0.025 J	0.1	8.5 Q	0.5	4.9	0.1
Perchlorate, SW8321A (mg/L)	1.1	0.05	0.12	0.005	0.00007 J	0.0001	14.0	5.0	0.77	0.02

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected July 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **NR**, analysis not requested; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA27		HTA28		HTA31		HTA32		HTA33	
Sample date & time:	7/9/2007	1500	7/9/2007	1620	7/10/2007	1515	7/10/2007	1710	7/11/2007	1140
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	NR		NR		ND	0.2	NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	0.69	0.1	10 Q	0.5	3.3	0.1	8.5 Q	0.5	NR	
Perchlorate, SW8321A (mg/L)	0.048	0.005	1.1	0.5	0.0072	0.0002	0.39	0.2	0.00095	0.00001

Sample ID:	HTA34		HTA42		HTA43		HTA45		HTA46	
Sample date & time:	7/10/2007	1040	7/10/2007	1050	7/10/2007	1320	7/10/2007	1420	7/10/2007	1205
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	NR		NR		NR		NR		ND	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	NR		NR		NR		NR		NR	
Perchlorate, SW8321A (mg/L)	ND	0.00001	0.0052	0.002	0.039	0.001	0.0032	0.001	0.00014	0.00001

Sample ID:	Field Duplicate HTA46		HTA50		HTA51		Equipment Blank HTA51		SMR1A	
Sample date & time:	7/10/2007	1215	7/11/2007	0955	7/9/2007	1715	7/9/2007	1800	7/11/2007	0825
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	NR		NR		ND		NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	NR		NR		NR		0.036 J	0.10	NR	
Perchlorate, SW8321A (mg/L)	0.00014	0.0001	0.0025	0.001	0.033	0.001	ND	0.0001	0.00064	0.0001

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of Samples Collected October 1, 2, 3, 4, 10, and 11, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
April 2008

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Analytical Results from Severn Trent Services Laboratory for Ground Water Samples Collected October 1, 2, 3, 4, 10, and 11, 2007

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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HTA31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected October 1, 2, 3, 4, 10 and 11, 2007. All wells were sampled this round. Explosives (method SW8330); metals (methods SW6020 and SW6010B); mercury (method SW7470A); bromide, chloride, fluoride, sulfate, and orthophosphate by method MCAWW300.0A; dissolved solids (method MCAWW160.1); alkalinity (method SW310.1); nitrate plus nitrite (method MCAWW353.2); and perchlorate (method SW6860) were analyzed in ground-water samples from all the wells sampled. TestAmerica Laboratories (TAL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the October 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and 11) show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12

through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the October 2007 sampling round are listed below:

Ground water from wells HTA10A, HTA11, HTA14, HTA15, HTA16, HTA16D, HTA17, and HTA20 showed the largest RDX concentrations, at 64 micrograms per liter (µg/L), 110 µg/L, 34 µg/L, 19 µg/L, 30 µg/L, 25 µg/L, 38 µg/L, and 46 µg/L, respectively (table 1). RDX concentrations in water from the remaining wells, ranged from non-detected (ND) to 3.1 µg/L.

Ground water from wells HTA10A, HTA11, HTA15, HTA16, HTA17, HTA18, HTA19, and HTA22 showed the largest concentrations of nitrate plus nitrite at 14 milligrams per liter (mg/L), 12 mg/L, 10 mg/L, 10 mg/L, 13 mg/L, 13 mg/L, 20 mg/L, and 20 mg/L, respectively (fig. 17). The remaining wells had concentrations below 10 mg/L (table 1).

Ground water from wells HTA10A, HTA11, HTA13, HTA15, HTA16, HTA16D, HTA17, and HTA20 showed the largest concentrations of perchlorate, at 15 mg/L, 21 mg/L, 12 mg/L, 21 mg/L, 18 mg/L, 18 mg/L, 15 mg/L and 20 mg/L, respectively. The remaining wells had concentrations below 10 mg/L (table 1).

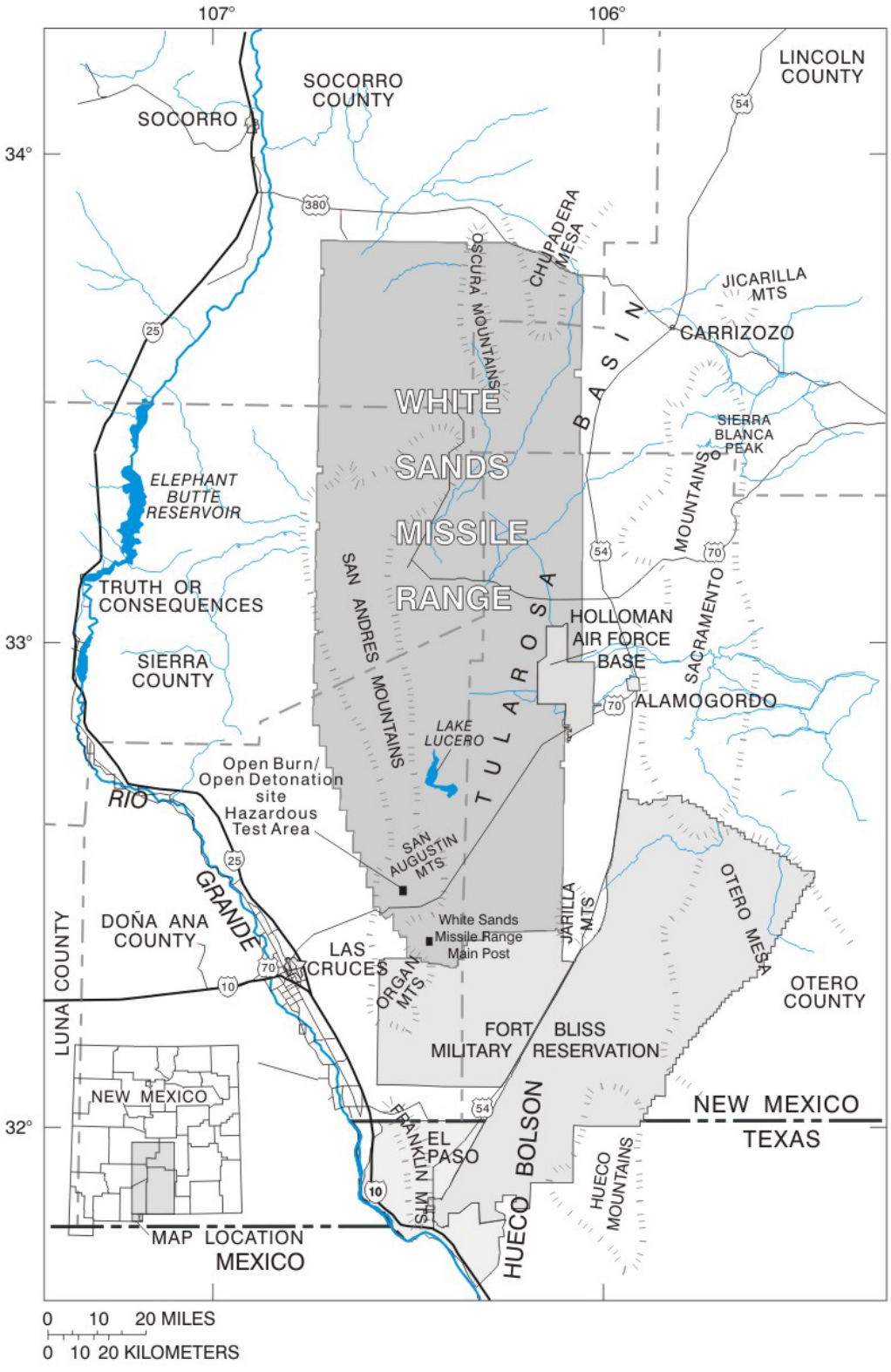


Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

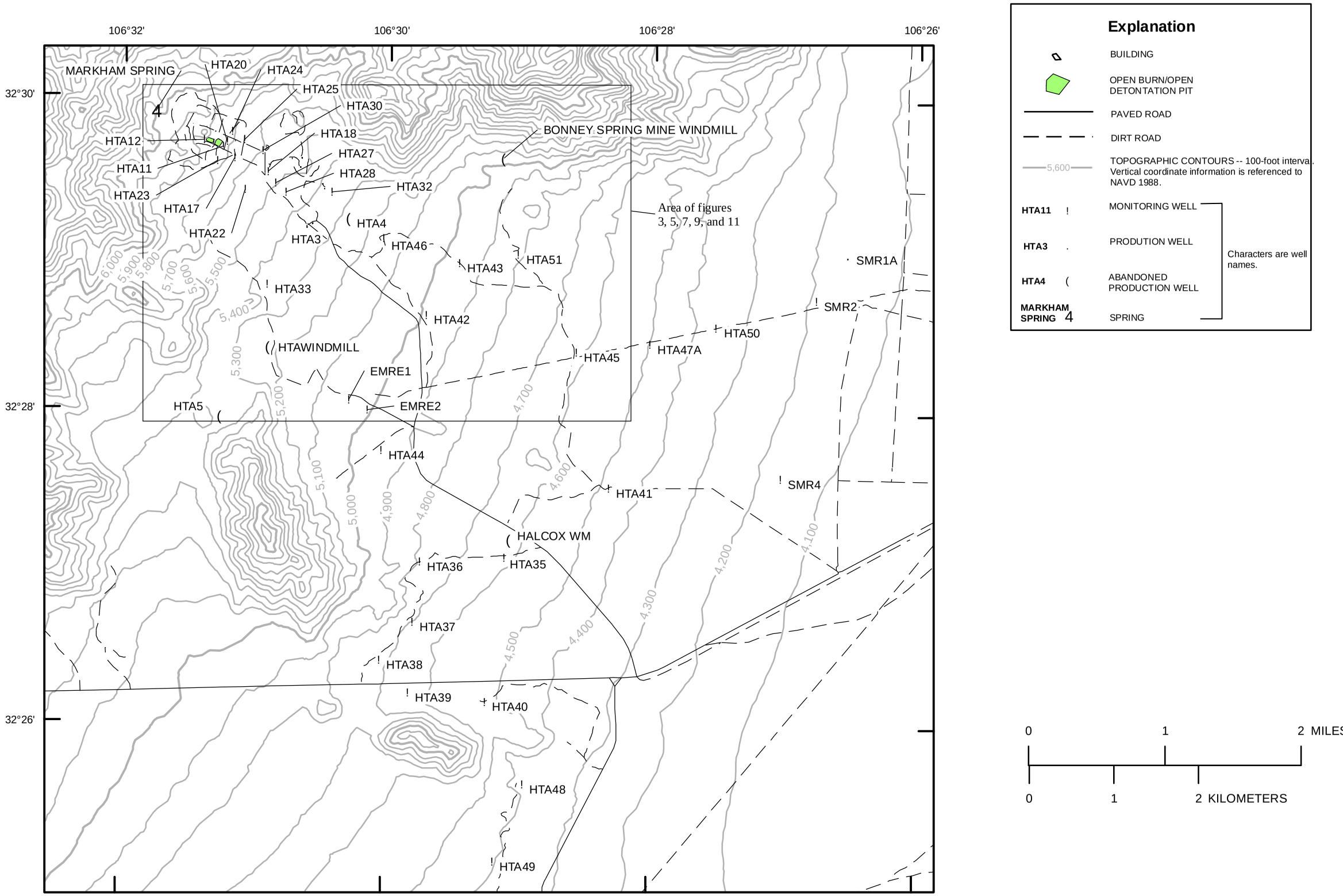


Figure 2. Location of wells at the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

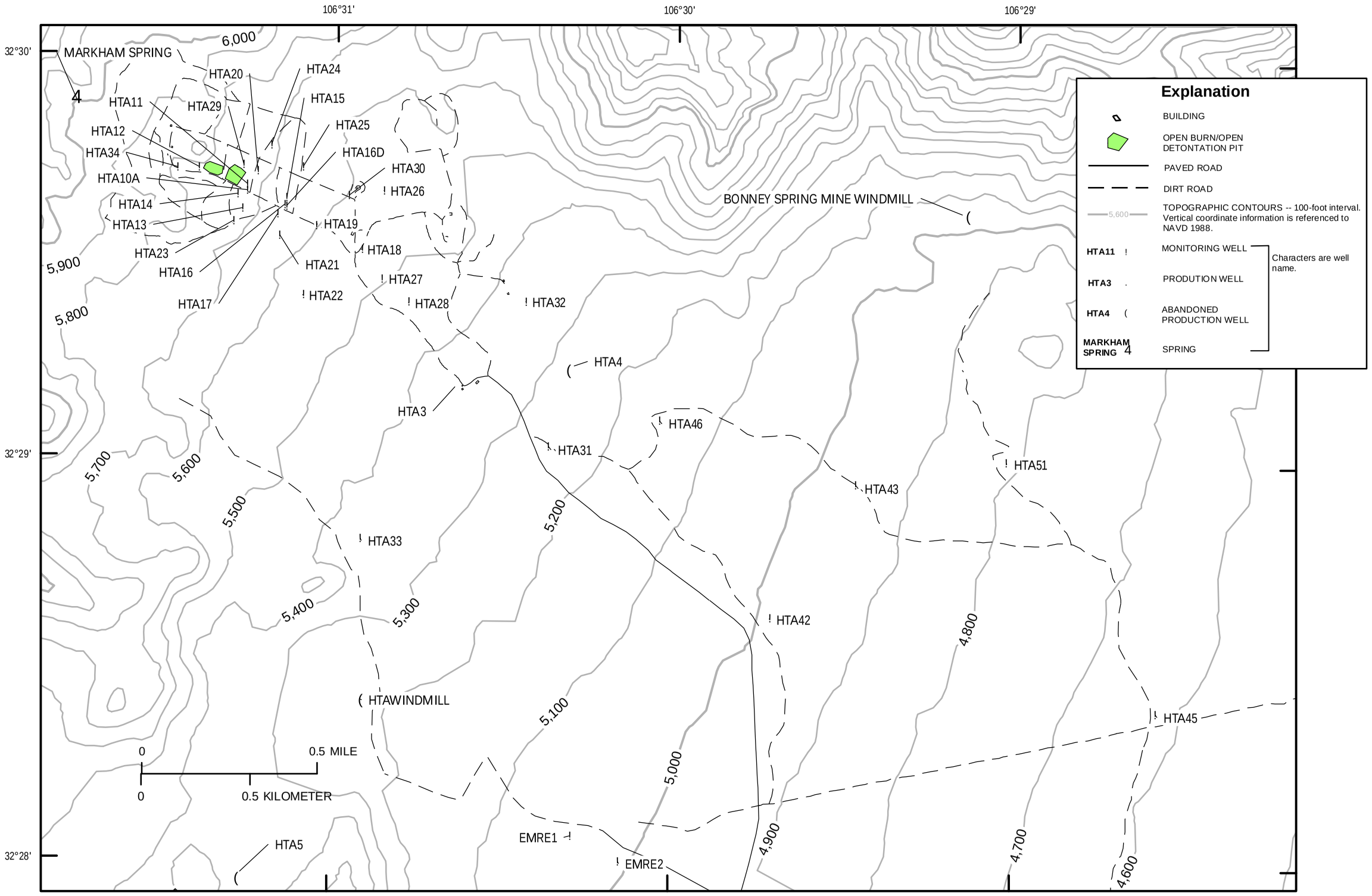
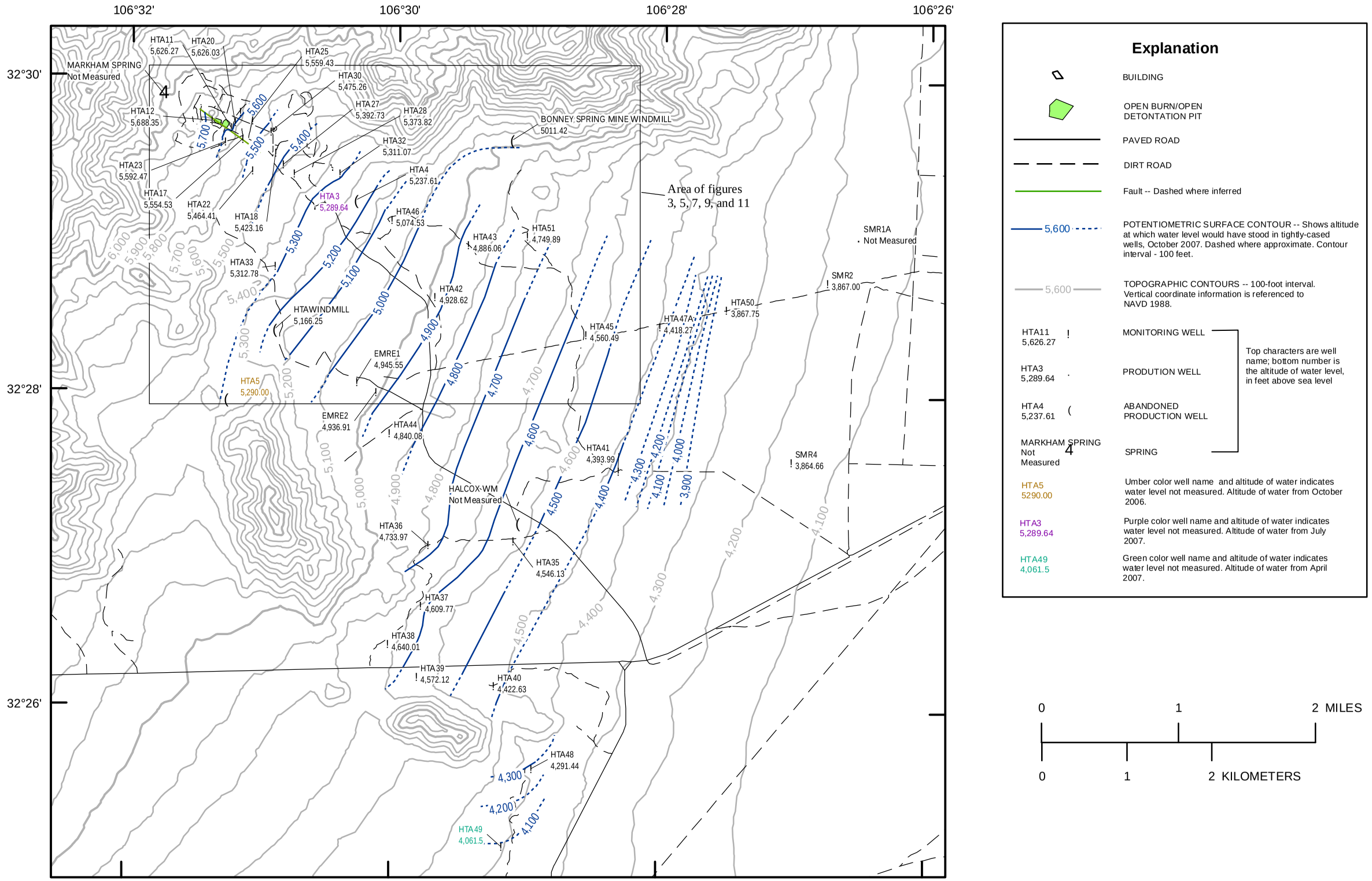


Figure 3. Location of wells at the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- Fault -- Dashed where inferred
- 5,600 — POTENTIOMETRIC SURFACE CONTOUR -- Shows altitude at which water level would have stood in tightly-cased wells, October 2007. Dashed where approximate. Contour interval - 100 feet.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 5,626.27 — MONITORING WELL
- HTA3 5,289.64 — PRODUTION WELL
- HTA4 5,237.61 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING Not Measured — SPRING

Top characters are well name; bottom number is the altitude of water level, in feet above sea level

- HTA5 5290.00 — Umber color well name and altitude of water indicates water level not measured. Altitude of water from October 2006.
- HTA3 5,289.64 — Purple color well name and altitude of water indicates water level not measured. Altitude of water from July 2007.
- HTA49 4,061.5 — Green color well name and altitude of water indicates water level not measured. Altitude of water from April 2007.

0 1 2 MILES

0 1 2 KILOMETERS

Figure 4. Approximate altitude of the potentiometric surface, October 1, 2, 3, 4, 10 & 11, 2007, in the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

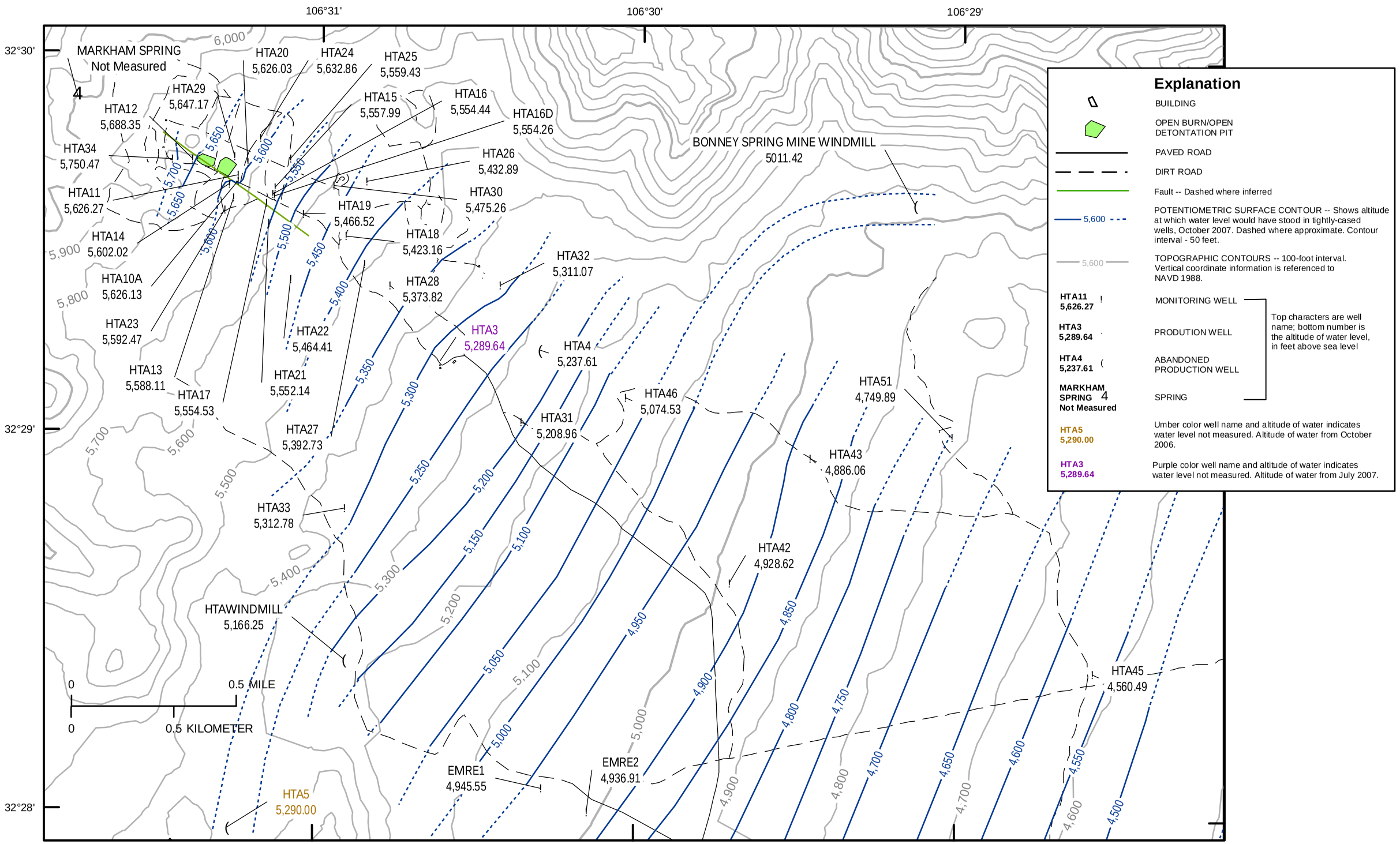


Figure 5. Approximate altitude of the potentiometric surface, October 1, 2, 3, 4, 10 & 11, 2007, in the area downgradient from the Open Burn / Open Demolition Unit, U.S. Army White Sands Missile Range, New Mexico.

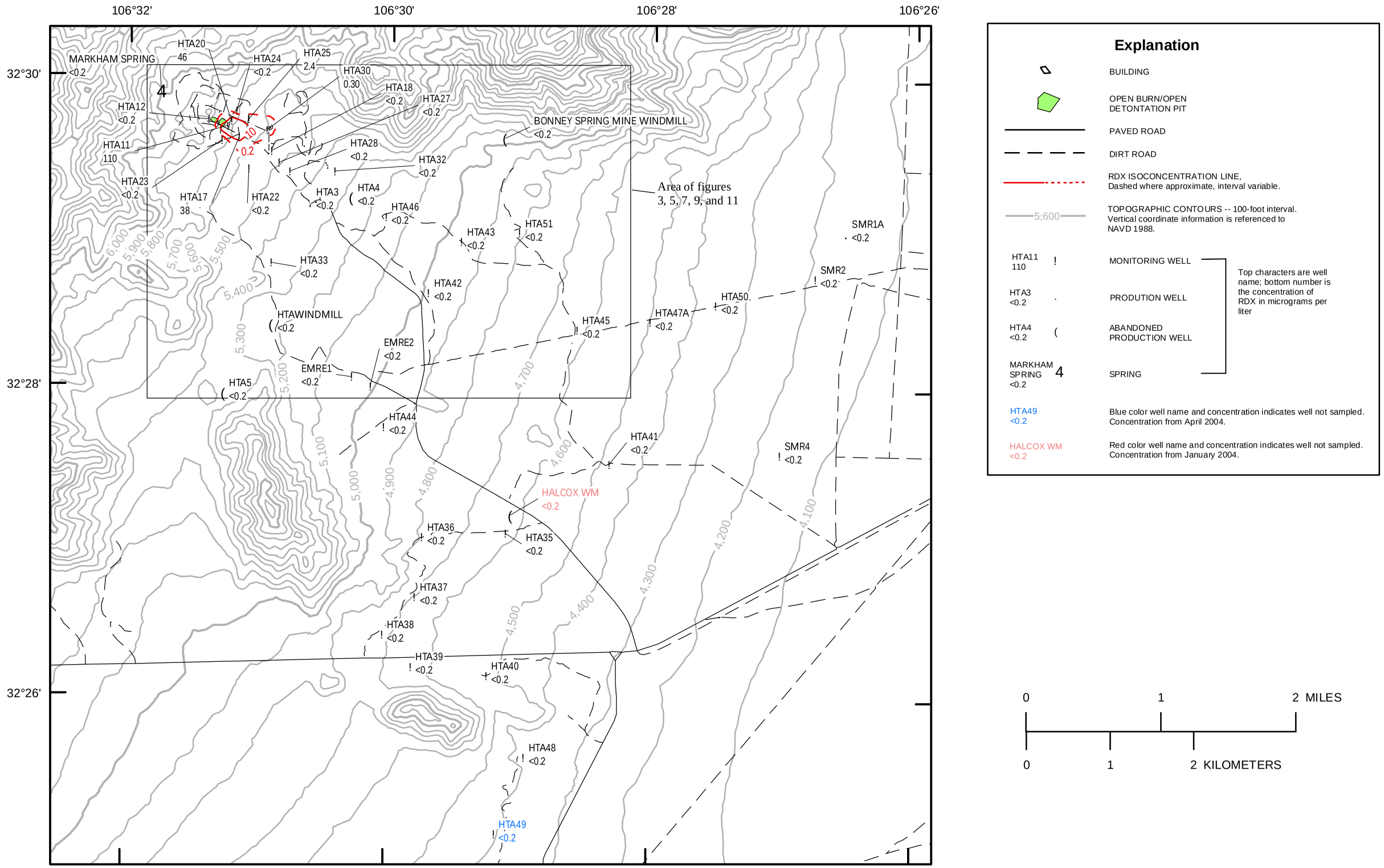


Figure 6. Selected concentrations of RDX in ground water in the Hazardous Test Area, October 1, 2, 3, 4, 10 & 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

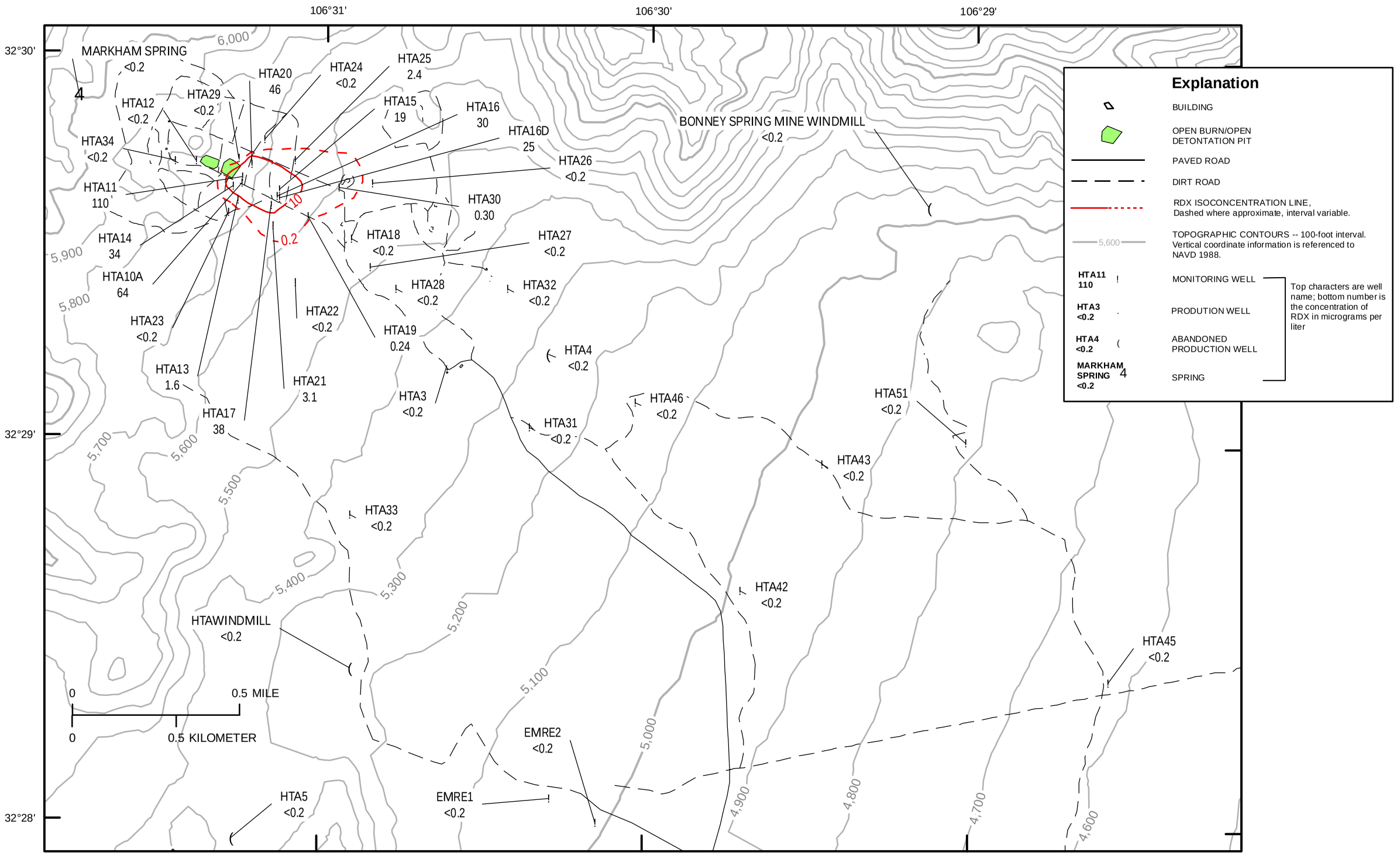


Figure 7. Concentrations of RDX in ground water downgradient from the Open Burn / Open Demolition Unit, October 1, 2, 3, 4, 10 & 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

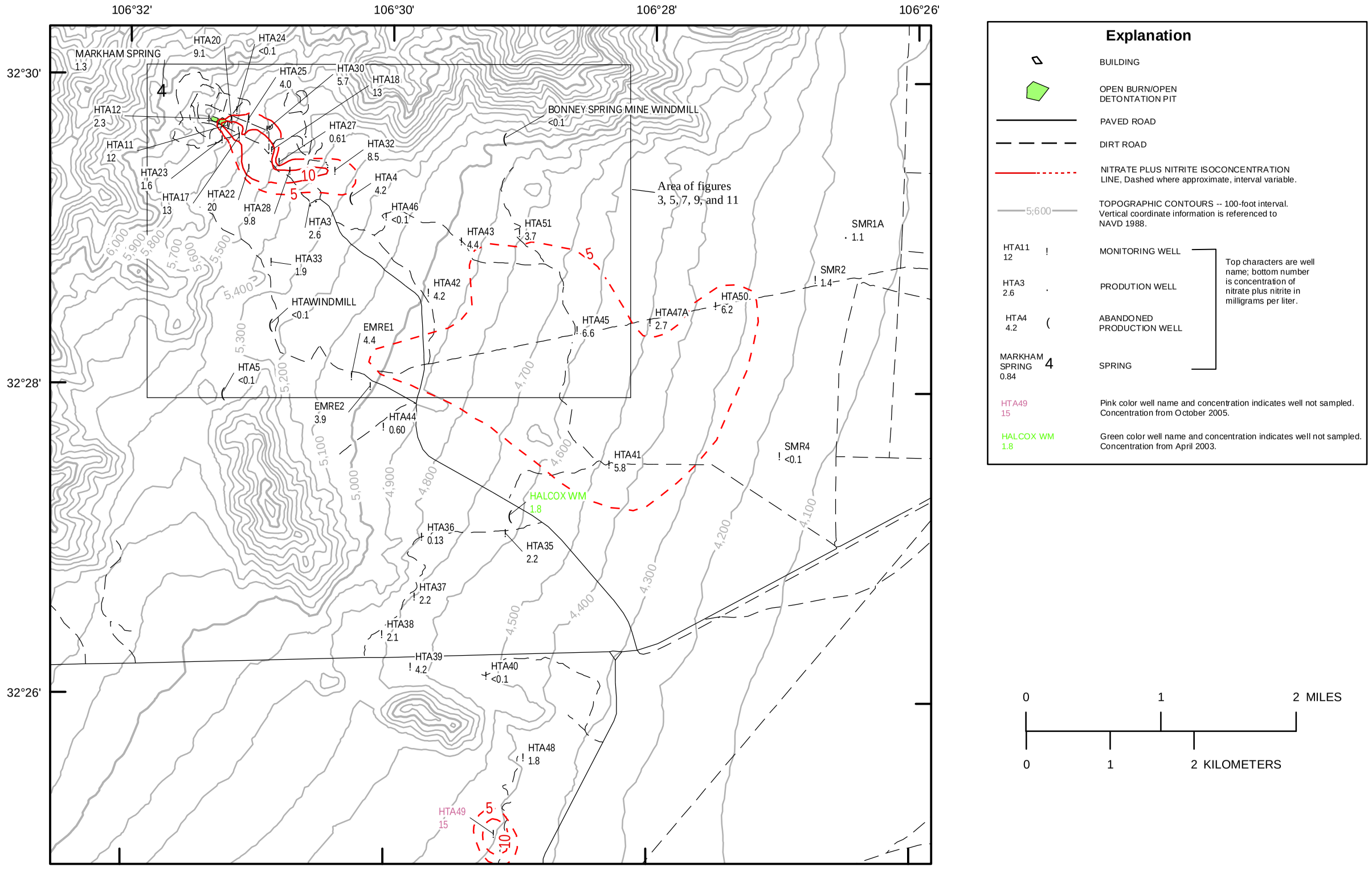


Figure 8. Selected concentrations of nitrate plus nitrite in ground water in the Hazardous Test Area, October 1, 2, 3, 4, 10 & 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

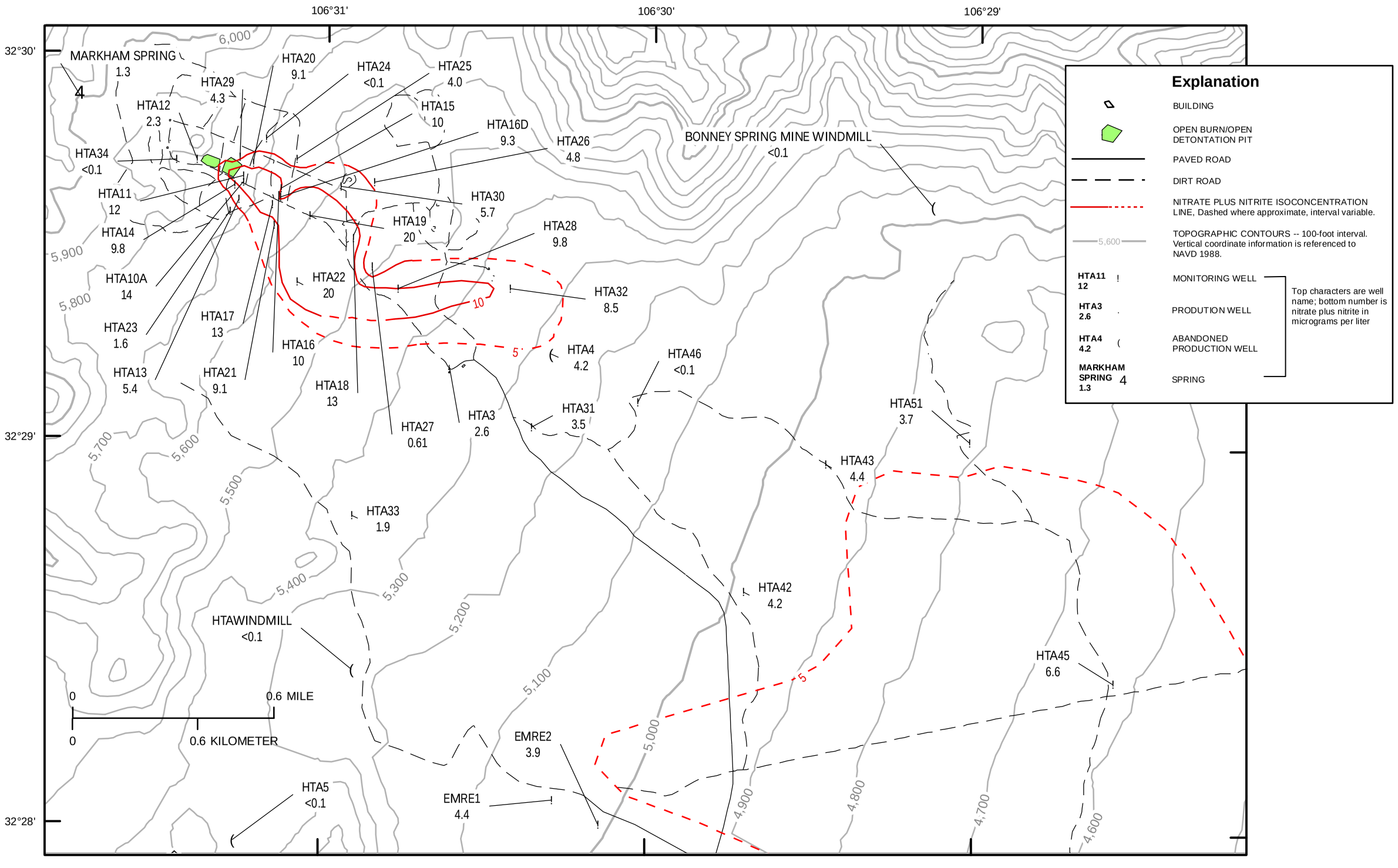
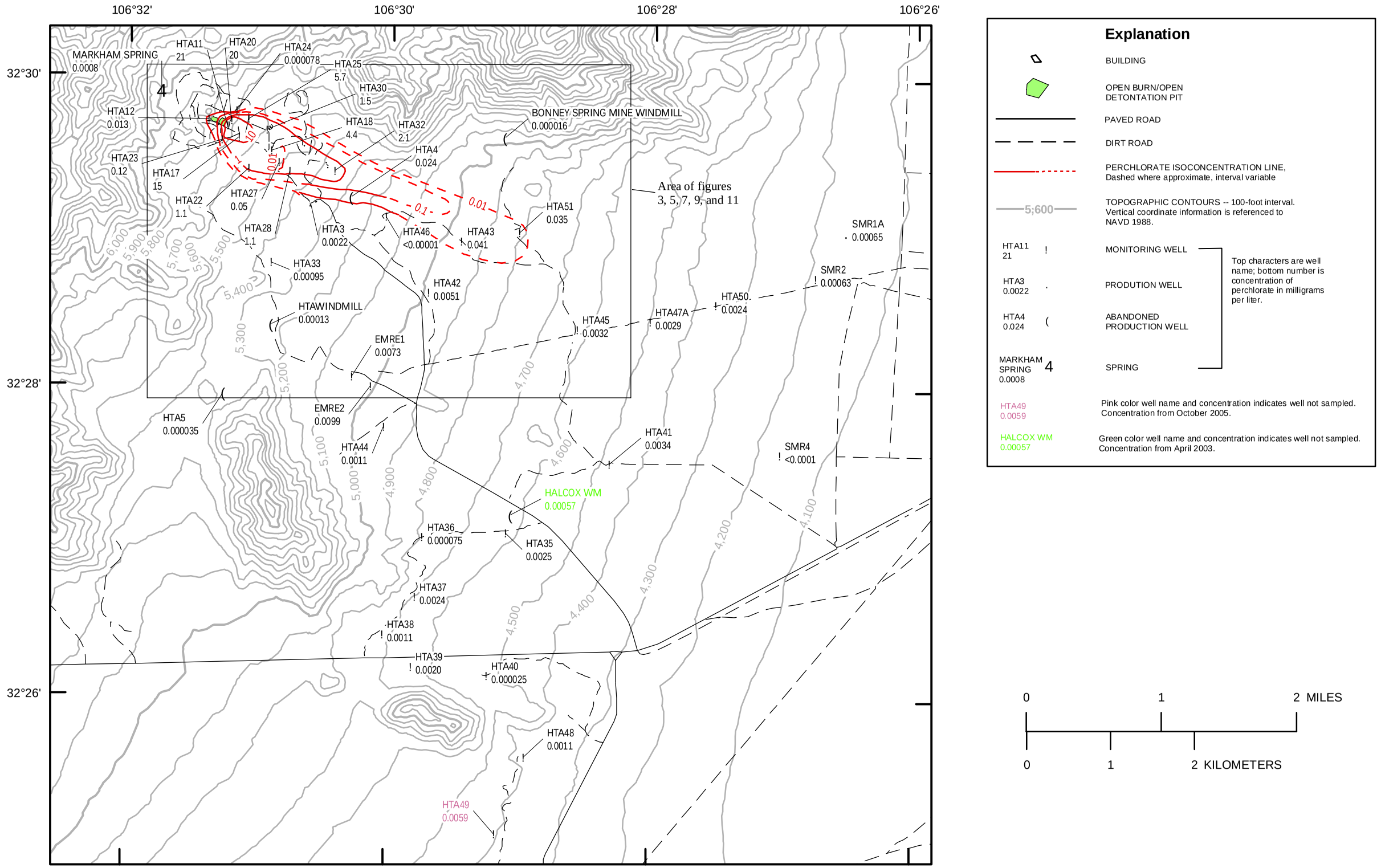


Figure 9. Concentration of nitrate plus nitrite in ground water downgradient from the Open Burn / Open Demolition Unit, October 1, 2, 3, 4, 10 & 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- PERCHLORATE ISOCONCENTRATION LINE, Dashed where approximate, interval variable
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 21 — MONITORING WELL
- HTA3 0.0022 — PRODUTION WELL
- HTA4 0.024 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.0008 — 4 — SPRING

Top characters are well name; bottom number is concentration of perchlorate in milligrams per liter.

HTA49 0.0059 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.

HALCOX WM 0.00057 — Green color well name and concentration indicates well not sampled. Concentration from April 2003.

0 1 2 MILES

0 1 2 KILOMETERS

Figure 10. Selected concentrations of perchlorate in ground water in the Hazardous Test Area, October 1, 2, 3, 4, 10 & 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

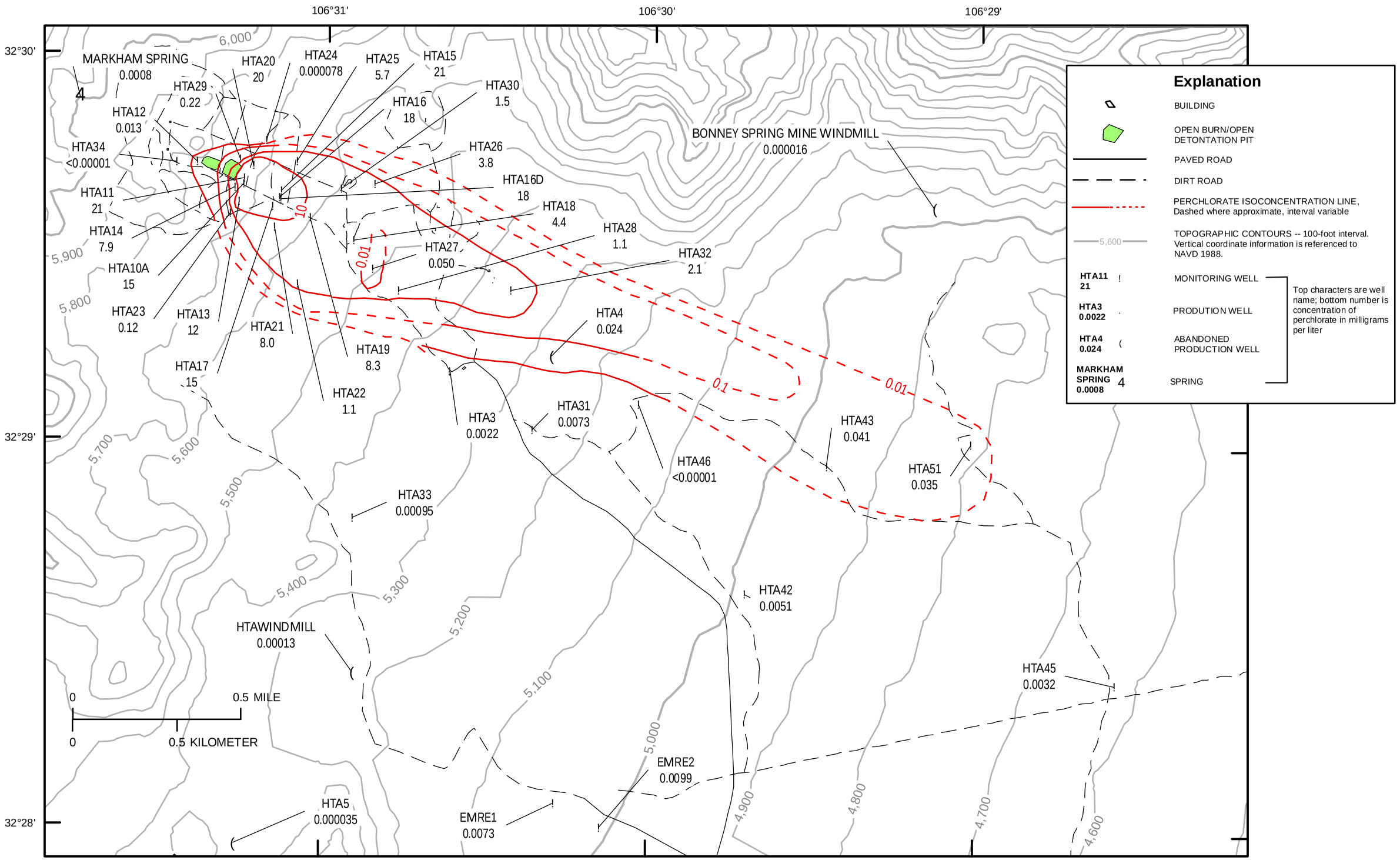


Figure 11. Concentrations of perchlorate in ground water downgradient from the Open Burn / Open Demolition Unit, July 9,10,and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

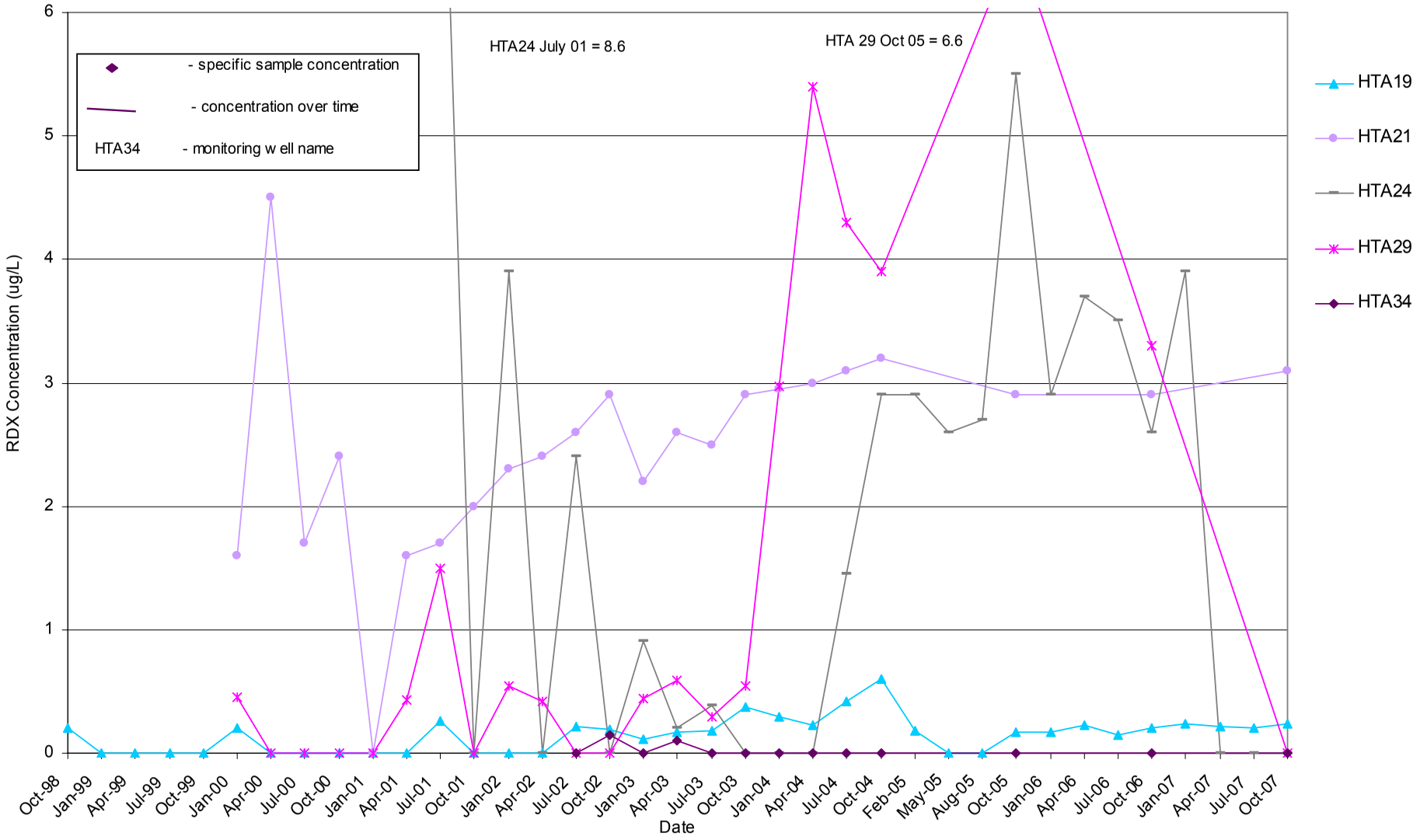


Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

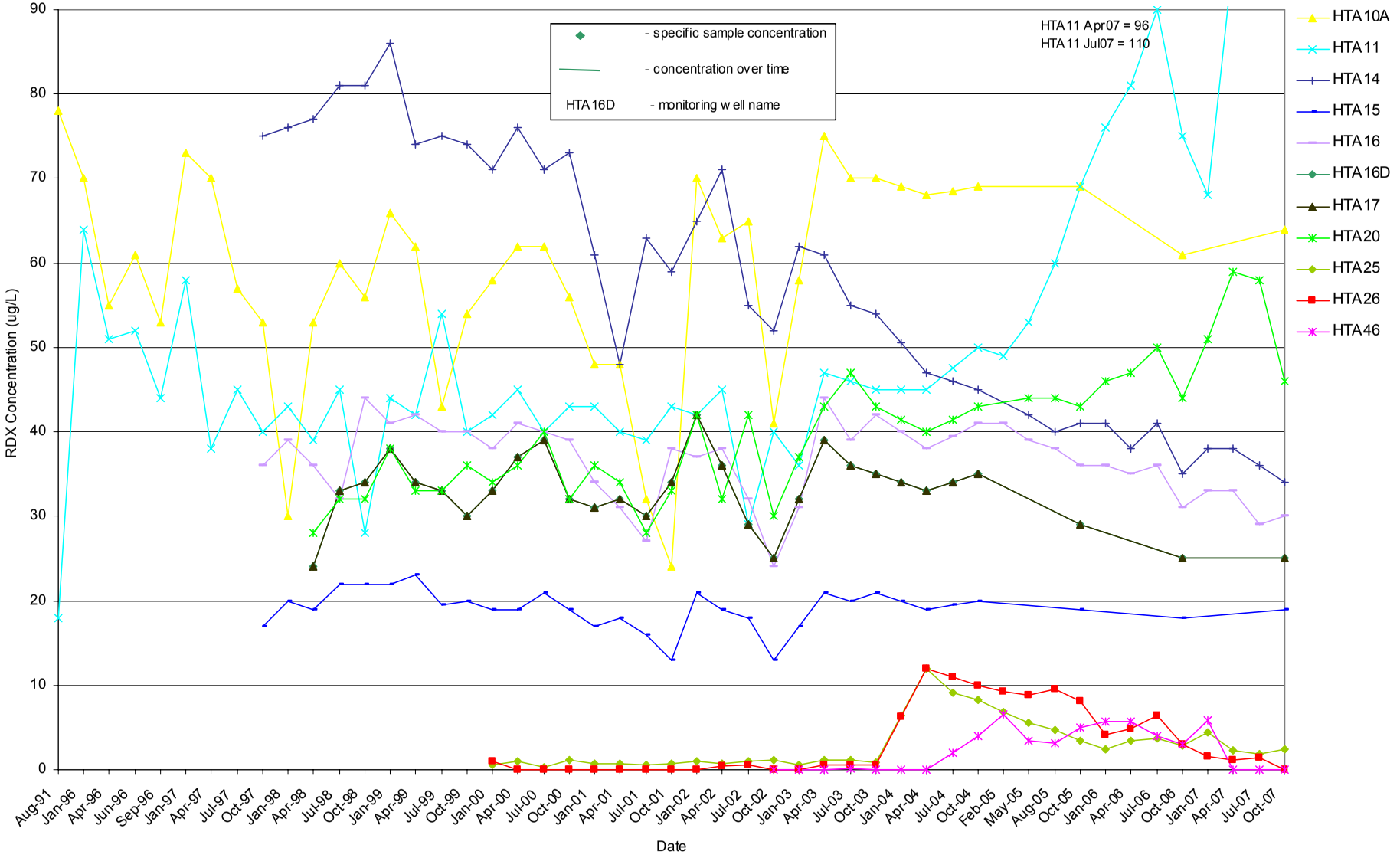


Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

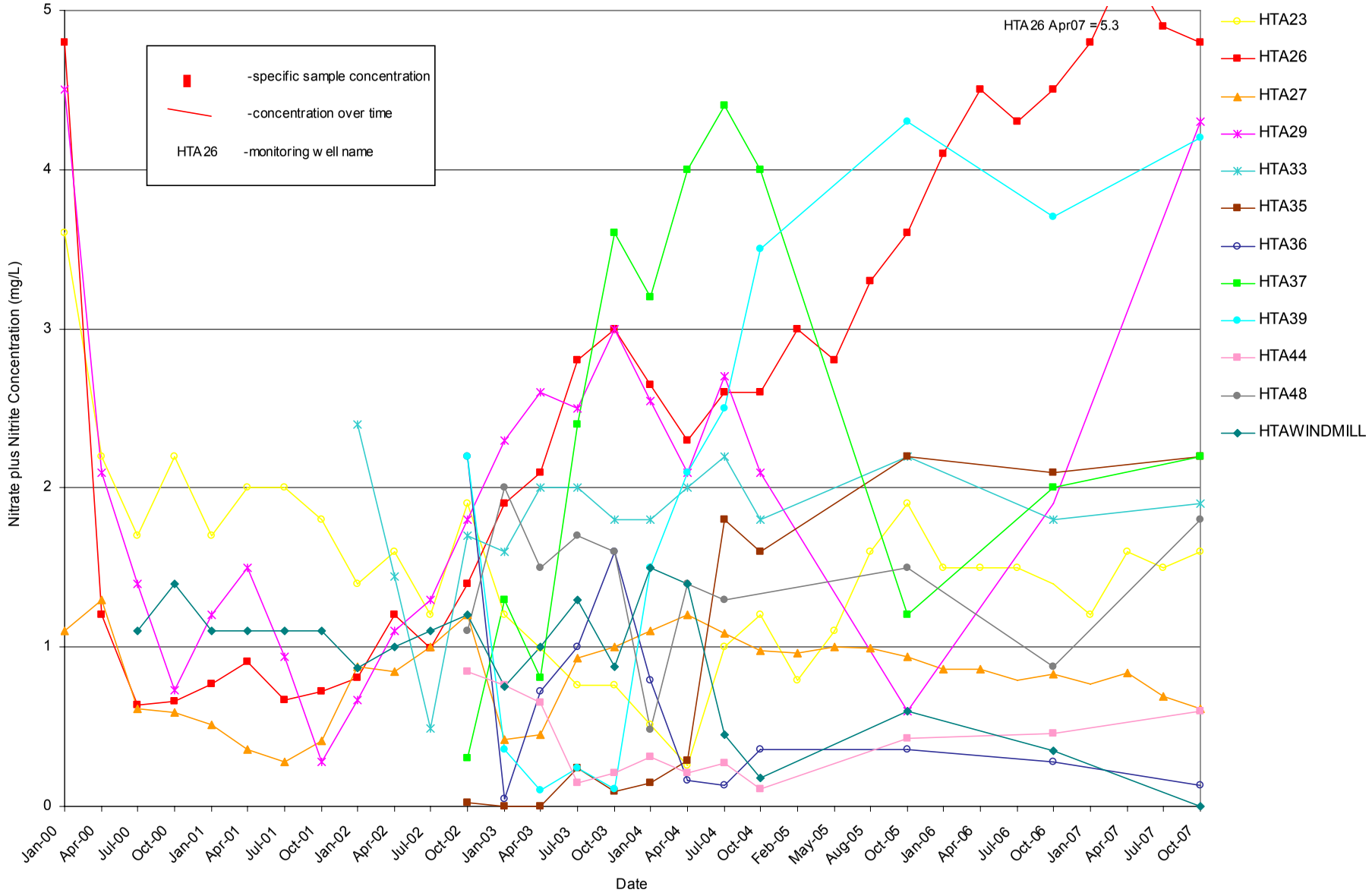


Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

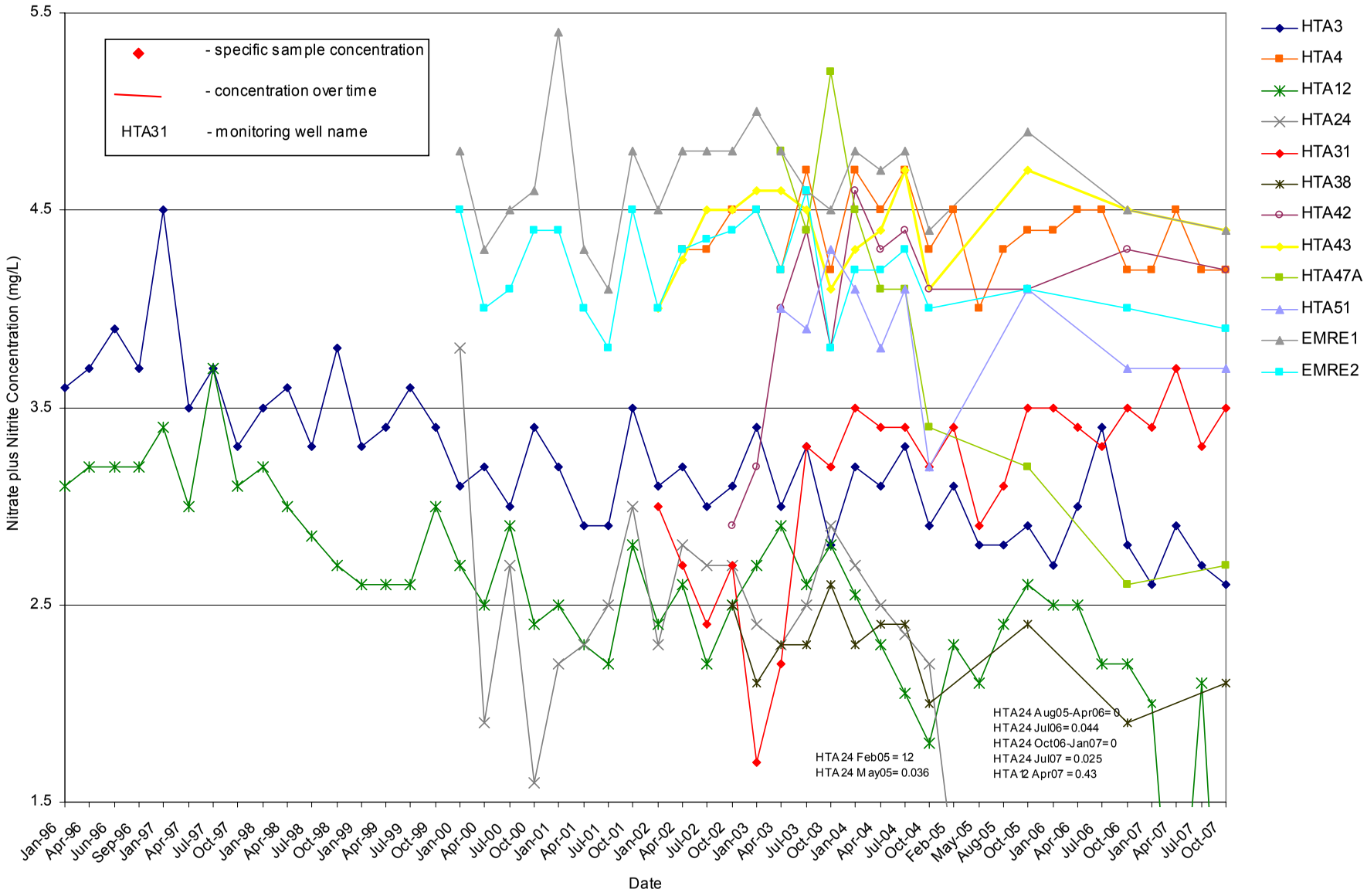


Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

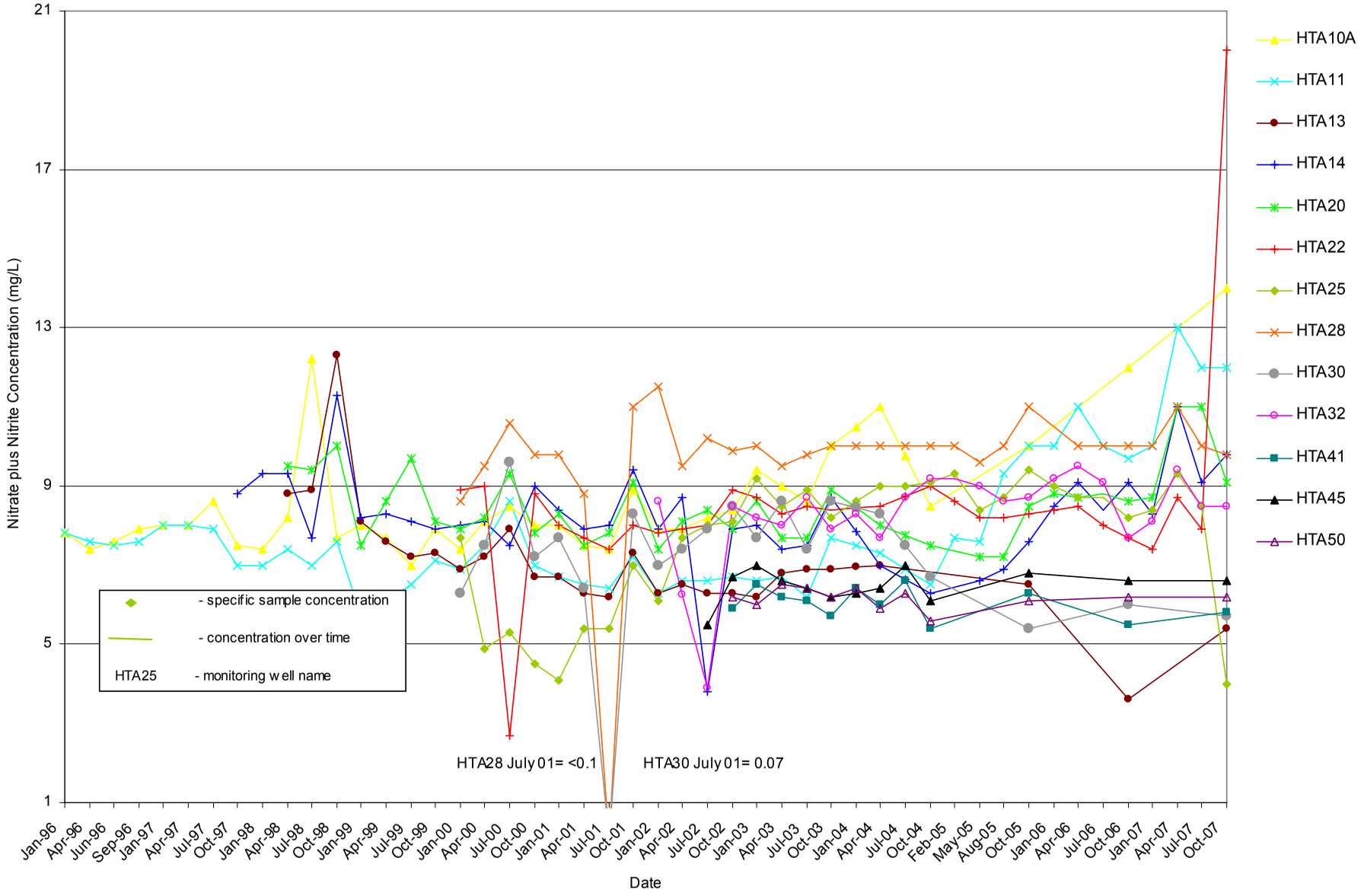


Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

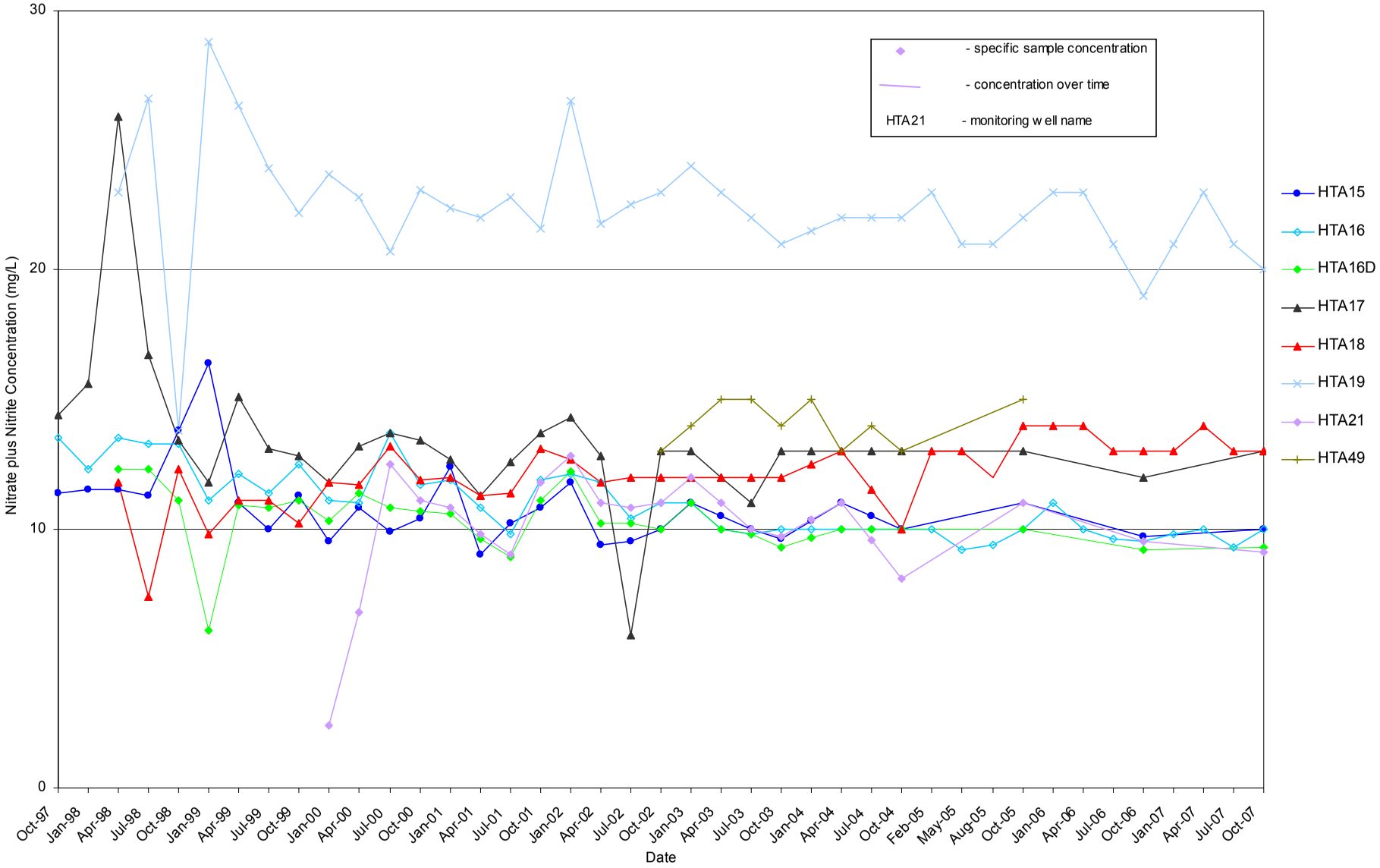


Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

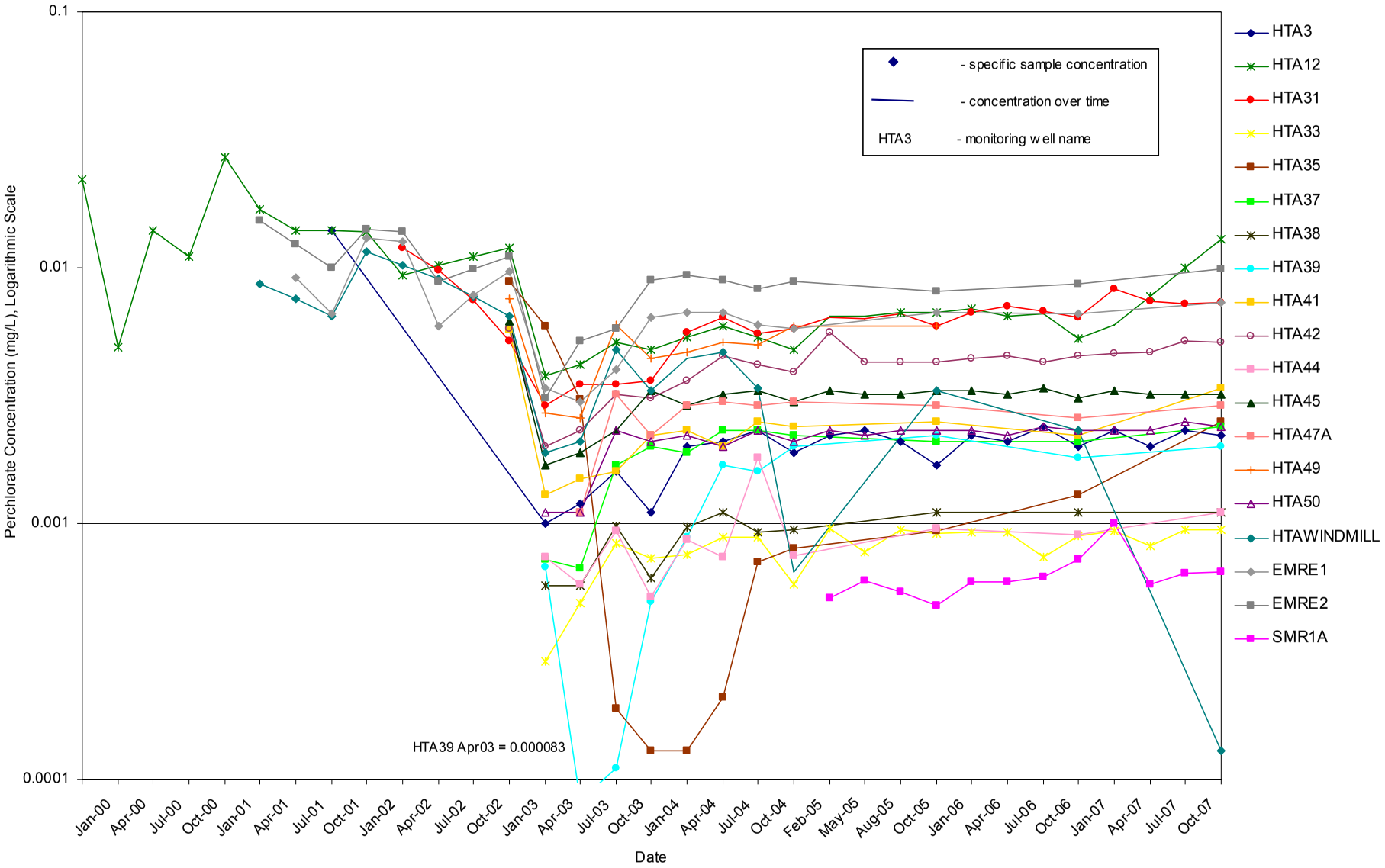


Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

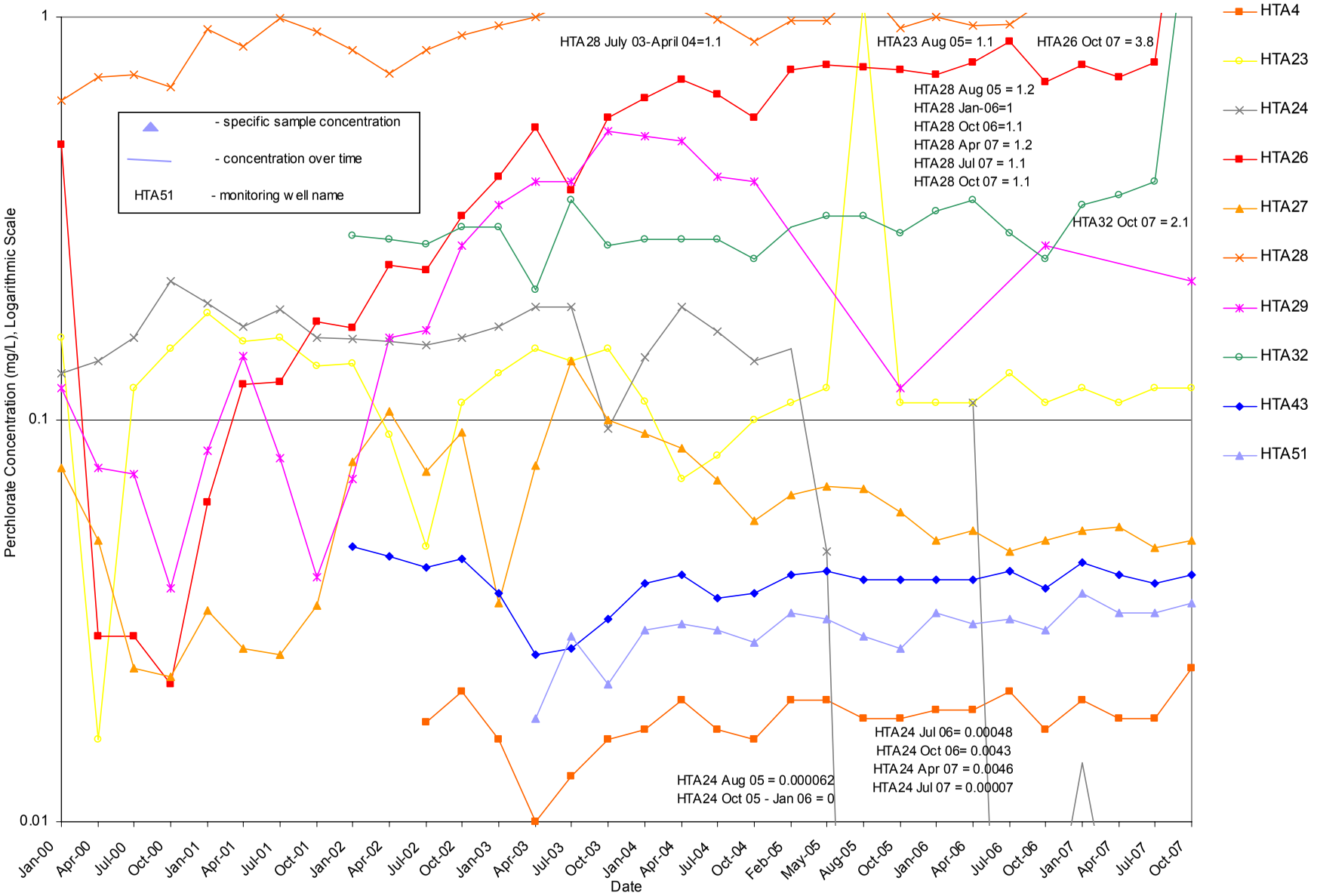


Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

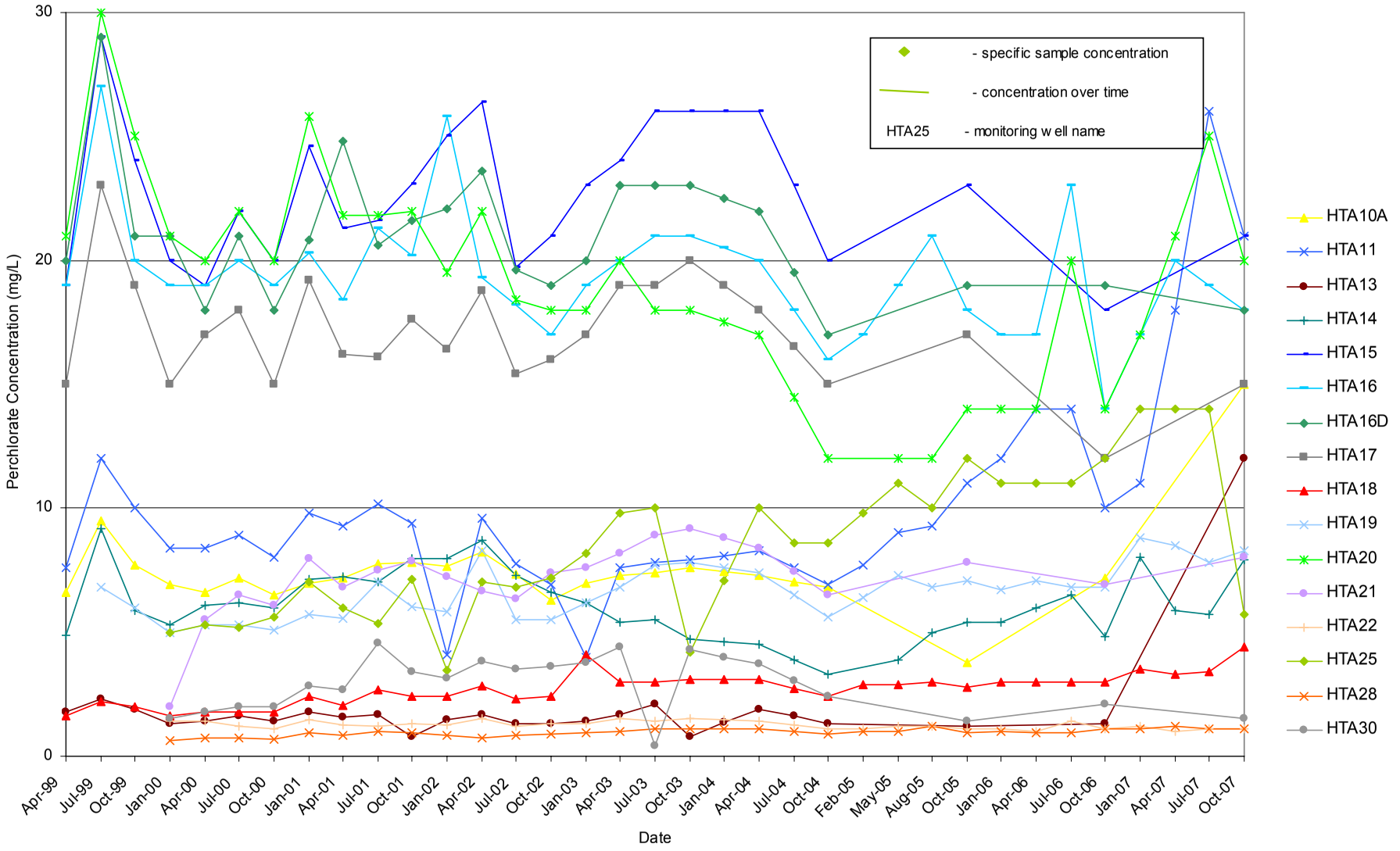


Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA3		HTA4		Field Duplicate HTA4		HTA5		HTA10A	
Sample date & time:	10/03/2007	1435	10/03/2007	1025	10/03/2007	1030	10/04/2007	1240	10/02/2007	1240
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	64	1.0
HMX	ND	0.40	ND	0.40	ND	0.40	ND	0.40	0.72 J	2.0
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.6	0.10	4.2	0.10	4.5	0.10	0.020 J	0.10	14 Q	0.50
Perchlorate, SW6860 (mg/L)	0.0022	0.00050	0.024	0.010	0.019	0.005	0.000035 J	0.00010	15	5.0

Sample ID:	HTA11		HTA12		HTA13		HTA14		HTA15	
Sample date & time:	10/01/2007	1435	10/02/2007	1125	10/02/2007	1535	10/04/2007	1035	10/03/2007	1015
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	110	1.0	ND	0.20	1.6	0.20	34	0.40	19	0.20
HMX	1.2 J	2.0	ND	0.40	ND	0.40	0.64 J	0.80	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	12 Q	0.50	2.3	0.10	5.4	0.10	9.8 Q	0.50	10 Q	0.50
Perchlorate, SW6860 (mg/L)	21	5.0	0.013	0.0020	12	2.0	7.9	1.0	21	5.0

Sample ID:	Field Duplicate HTA15		HTA16		HTA16D		HTA17		HTA18	
Sample date & time:	10/03/2007	1020	10/02/2007	1720	10/03/2007	1115	10/02/2007	1645	10/03/2007	1320
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	17	0.20	30	0.40	25	0.20	38	0.40	0.082 J	0.20
HMX	ND	0.40	0.44 J	0.80	0.20 J	0.40	ND	0.40	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	11 Q	0.50	10 Q	0.50	9.3 Q	0.50	13 Q	0.50	13 Q	0.50
Perchlorate, SW6860 (mg/L)	21	5.0	18	5.0	18	5.0	15	5.0	4.4	1.0

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA19		HTA20		HTA21		HTA22		HTA23	
Sample date & time:	10/03/2007	1220	10/01/2007	1620	10/03/2007	1540	10/03/2007	1425	10/02/2007	1425
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	0.24	0.20	46	1.0	3.1	0.20	ND	0.20	ND	0.20
HMX	ND	0.40	0.53 J	2.0	ND	0.40	ND	0.40	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	20 Q	0.50	9.1 Q	0.50	9.1 Q	0.50	20 Q	0.50	1.6	0.10
Perchlorate, SW6860 (mg/L)	8.3	1.0	20.0	5.0	8.0	1.0	1.1	0.2	0.12	0.05

Sample ID:	HTA24		HTA25		HTA26		HTA27		HTA28	
Sample date & time:	10/04/2007	1140	10/01/2007	1735	10/04/2007	1000	10/03/2007	1400	10/03/2007	1215
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	2.4	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	ND	0.10	4.0	0.10	4.8	0.10	0.61	0.10	9.8 Q	0.50
Perchlorate, SW6860 (mg/L)	0.000078 J	0.00010	5.7	1.0	3.8	0.5	0.05	0.01	1.1	0.5

Sample ID:	HTA29		HTA30		HTA31		HTA32		HTA33	
Sample date & time:	10/04/2007	1110	10/01/2007	1635	10/01/2007	1720	10/03/2007	1530	10/02/2007	1015
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	0.30	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.3	0.10	5.7	0.10	3.5	0.10	8.5 Q	0.50	1.9	0.10
Perchlorate, SW6860 (mg/L)	0.22	0.10	1.5	0.5	0.0073	0.0020	2.1	0.5	0.00095	0.00010

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **COL**, more than 40% RPD between primary and confirmation detector results; **mg/L**, milligrams per liter; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA34		HTA35		HTA36		HTA37		HTA38	
Sample date & time:	10/02/2007	1005	10/01/2007	1435	10/02/2007	1310	10/02/2007	1230	10/02/2007	1150
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
2-Amino-4,6-dinitrotoluene	ND	0.20	ND	0.20	ND	0.20	0.45 COL	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	ND	0.10	2.2	0.10	0.13	0.10	2.2	0.10	2.1	0.10
Perchlorate, SW6860 (mg/L)	ND	0.00010	0.0025	0.00050	0.000075 J	0.00010	0.0024	0.0010	0.0011	0.00010

Sample ID:	HTA39		HTA40		Equipment Blank HTA40		HTA41		HTA42	
Sample date & time:	10/02/2007	1400	10/02/2007	1450	10/02/2007	1530	10/03/2007	1125	10/02/2007	1355
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.2	0.10	ND	0.10	ND	0.10	5.8	0.10	4.2	0.10
Perchlorate, SW6860 (mg/L)	0.0020	0.00050	0.000025 J	0.00010	ND	0.00010	0.0034	0.00050	0.0051	0.0020

Sample ID:	HTA43		HTA44		HTA45		HTA46		HTA47A	
Sample date & time:	10/01/2007	1550	10/01/2007	1550	10/02/2007	1540	10/01/2007	1430	10/03/2007	1205
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
2,4-Dinitrotoluene	ND	0.40	ND	0.40	ND	0.40	0.16 J, COL	0.40	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.4	0.10	0.60	0.10	6.6	0.10	ND	0.10	2.7	0.10
Perchlorate, SW6860 (mg/L)	0.041	0.010	0.0011	0.00050	0.0032	0.0010	ND	0.00010	0.0029	0.00050

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **mg/L**, milligrams per liter; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA48		HTA50		HTA51		HTA WINDMILL		EMRE1	
Sample date & time:	10/03/2007	1020	10/03/2007	1340	10/03/2007	1300	10/04/2007	1405	10/02/2007	1140
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	1.8	0.10	6.2	0.10	3.7	0.10	ND	0.10	4.4	0.10
Perchlorate, SW6860 (mg/L)	0.0011	0.00010	0.0024	0.0010	0.035	0.010	0.00013	0.00010	0.0073	0.0020

Sample ID:	EMRE2		SMR1A		SMR2		SMR3		SMR4	
Sample date & time:	10/02/2007	1240	10/04/2007	0910	10/10/2007	1410	10/11/2007	1225	10/10/2007	1530
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	3.9	0.10	1.1	0.10	1.4	0.10	3.1	0.10	ND	0.10
Perchlorate, SW6860 (mg/L)	0.0099	0.0020	0.00065	0.00010	0.00063	0.00010	0.00093	0.00010	ND	0.00010

Sample ID:	BONNEY SPRING		MARKHAM SPRING	
Sample date & time:	10/04/2007	1345	10/04/2007	1200
Analytes and Method	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)				
RDX	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	0.052 J	0.10	1.3	0.10
Perchlorate, SW6860 (mg/L)	0.000016 J	0.00010	0.00080	0.00010

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA3		HTA4		Field Duplicate HTA4		HTA5	
Sample date & time:	10/03/2007	1435	10/03/2007	1025	10/03/2007	1030	10/04/2007	1240
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	89	0.2	92	0.2	92	0.2	210	0.2
Magnesium, SW6010B	20	0.2	21	0.2	21	0.2	37	0.2
Potassium, SW6010B	0.73 J,V	3.0	0.83 J	3.0	0.92 J	3.0	3.4	3.0
Sodium, SW6010B	63	1.0	66	1.0	66	1.0	61	1.0
Alkalinity, MCAWW310.1	220 V	5.0	210 V	5.0	210 V	5.0	270 V	5.0
Chloride, MCAWW300.0A	27	3.0	31	3.0	31	3.0	42	3.0
Sulfate, MCAWW300.0A	130 Q	25	150 Q	25	150 Q	25	490 V,Q	100
Bromide, MCAWW300.0A	0.19 J	0.20	0.21	0.20	0.21	0.20	0.33	0.20
Fluoride, MCAWW300.0A	4.7	0.50	4.4	0.50	4.4	0.50	2.3	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	530	10	550	10	550	10	1000	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA3		HTA4		Field Duplicate HTA4		HTA5	
Sample date & time:	10/03/2007	1435	10/03/2007	1025	10/03/2007	1030	10/04/2007	1240
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	23 J,V	100	19 J	100	540	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	ND	5.0	0.25 J	5.0
Barium, SW6020	29	1.0	28	1.0	31	1.0	31	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	0.040 J	1.0
Chromium, SW6020	ND	2.0	ND	2.0	ND	2.0	2.3	2.0
Cobalt, SW6020	0.11 J	1.0	0.13 J,V	1.0	0.15 J,V	1.0	0.50 J	1.0
Copper, SW6020	0.91 J	2.0	ND	2.0	ND	2.0	0.88 J	2.0
Iron, SW6010B	42 J,V	100	57 J	100	39 J	100	2200 V	100
Lead, SW6020	0.23 J	1.0	ND	1.0	ND	1.0	0.93 J	1.0
Manganese, SW6020	ND	1.0	0.98 J	1.0	0.97 J	1.0	580	1.0
Mercury	ND	0.20	0.038 J,V	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	10	2.0	9.7	2.0	11	2.0	4.0	2.0
Nickel, SW6020	0.97 J	2.0	1.1 J	2.0	1.2 J	2.0	3.5	2.0
Selenium, SW6020	1.6 J	5.0	3.6 J,V	5.0	3.9 J,V	5.0	ND	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	110 V	10	8.5 J,V	10	8.4 J,V	10	8.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA10A		HTA11		HTA12		HTA13	
Sample date & time:	10/02/2007	1240	10/01/2007	1435	10/02/2007	1125	10/02/2007	1535
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	96	0.2	100	0.2	110	0.2	94	0.2
Magnesium, SW6010B	25	0.2	26	0.2	28	0.2	25	0.2
Potassium, SW6010B	1.2 J	3.0	0.95 J	3.0	1.3 J	3.0	1.4 J	3.0
Sodium, SW6010B	60	1.0	64	1.0	68	1.0	57	1.0
Alkalinity, MCAWW310.1	200 V	5.0	210 V	5.0	250 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	27	3.0	31 V	3.0	30	3.0	31 V	3.0
Sulfate, MCAWW300.0A	140 Q	25	140 Q	25	200 Q	25	140 Q	25
Bromide, MCAWW300.0A	0.23	0.20	0.24	0.20	0.24	0.20	0.22	0.20
Fluoride, MCAWW300.0A	4.1	0.50	4.3	0.50	3.2	0.50	3.8	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	610 V	10	620 V	10	640 V	10	560 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected]

Sample ID:	HTA10A		HTA11		HTA12		HTA13	
Sample date & time:	10/02/2007	1240	10/01/2007	1435	10/02/2007	1124	10/02/2007	1535
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	38 J	100	52 J,V	100	22 J	100	27 J,V	100
Antimony, SW6020	0.083 J	2.0	0.39 J	2.0	0.16 J	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	0.22 J	5.0	ND	5.0	ND	5.0
Barium, SW6020	31	1.0	34	1.0	24	1.0	37	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	0.075 J	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.56 J	2.0	ND	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	1.7 V	1.0	2.4 V	1.0	0.17 J,V	1.0	0.16 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	31 J	100	290	100	ND	100	ND	100
Lead, SW6020	ND	1.0	ND	1.0	ND	1.0	0.21 J	1.0
Manganese, SW6020	1.6	1.0	0.75 J	1.0	1.0	1.0	ND	1.0
Mercury	ND	0.20	0.032 J	0.20	0.078 J,V	0.20	0.045 J,V	0.20
Molybdenum, SW6020	12	2.0	13	2.0	11	2.0	17	2.0
Nickel, SW6020	1.5 J	2.0	1.3 J	2.0	1.3 J	2.0	1.3 J	2.0
Selenium, SW6020	5.1 V	5.0	3.5 J,V	5.0	3.4 J,V	5.0	3.2 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	0.047 J	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.6 J,V	10	150 V	10	4.8 J,V	10	4.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA14		HTA15		Field Duplicate HTA15		HTA16	
Sample date & time:	10/04/2007	1035	10/03/2007	1015	10/03/2007	1020	10/02/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	92	0.2	110	0.2	110	0.2	120	0.2
Magnesium, SW6010B	26	0.2	26	0.2	25	0.2	27	0.2
Potassium, SW6010B	1.9 J	3.0	1.2 J	3.0	1.2 J	3.0	0.78 J	3.0
Sodium, SW6010B	57	1.0	65	1.0	65	1.0	66	1.0
Alkalinity, MCAWW310.1	190 V	5.0	200 V	5.0	200 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	37	3.0	53 Q	6.0	54 Q	6.0	43 V,Q	15
Sulfate, MCAWW300.0A	140 V,Q	25	170 Q	25	170 Q	25	160 Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	0.21	0.20	0.25	0.20	0.26	0.20
Fluoride, MCAWW300.0A	4.5	0.50	3.8	0.50	3.8	0.50	3.9	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	550	10	660	10	670	10	640	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA14		HTA15		Field Duplicate HTA15		HTA16	
Sample date & time:	10/04/2007	1035	10/03/2007	1015	10/03/2007	1020	10/02/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	1600	100	ND	100	45 J,V	100	20 J	100
Antimony, SW6020	0.094 J	2.0	0.087 J	2.0	0.075 J	2.0	ND	2.0
Arsenic, SW6020	0.25 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	55	1.0	35	1.0	35	1.0	35	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	0.086 J	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	3.4	2.0	ND	2.0	0.56 J	2.0	0.53 J	2.0
Cobalt, SW6020	1.2	1.0	2.5 V	1.0	2.4 V	1.0	2.1 V	1.0
Copper, SW6020	2.6	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	2,900 V	100	ND	100	ND	100	69 J	100
Lead, SW6020	2.4	1.0	0.21 J	1.0	0.21 J	1.0	0.19 J	1.0
Manganese, SW6020	97	1.0	0.90 J	1.0	1.5	1.0	1.9	1.0
Mercury	ND	0.20	0.034 J,V	0.20	0.063 J,V	0.20	0.049 J,V	0.20
Molybdenum, SW6020	14	2.0	7.6	2.0	7.3	2.0	12	2.0
Nickel, SW6020	3.6	2.0	1.6 J	2.0	1.6 J	2.0	1.5 J	2.0
Selenium, SW6020	2.9 J	5.0	3.7 J,V	5.0	3.5 J,V	5.0	4.1 J,V	5.0
Silver	0.72 J	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	0.030 J	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	4.1 J	10	ND	10	ND	10	ND	10
Zinc, SW6020	16 V	10	4.2 J,V	10	4.2 J,V	10	4.1 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA16D		HTA17		HTA18		HTA19	
Sample date & time:	10/03/2007	1115	10/02/2007	1645	10/03/2007	1320	10/03/2007	1220
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	110	0.2	110	0.2	93	0.2	110	0.2
Magnesium, SW6010B	25	0.2	26	0.2	21	0.2	26	0.2
Potassium, SW6010B	1.3 J	3.0	1.2 J	3.0	1.1 J	3.0	1.4 J	3.0
Sodium, SW6010B	68	1.0	65	1.0	59	1.0	63	1.0
Alkalinity, MCAWW310.1	210 V	5.0	210 V	5.0	200 V	5.0	180 V	5.0
Chloride, MCAWW300.0A	51 Q	6.0	46 V	3.0	36	3.0	43	3.0
Sulfate, MCAWW300.0A	170 Q	25	160 Q	25	150 Q	25	170 Q	25
Bromide, MCAWW300.0A	0.25	0.20	0.24	0.20	0.25	0.20	0.29	0.20
Fluoride, MCAWW300.0A	3.7	0.50	3.7	0.50	4.2	0.50	3.2	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	650	10	670 V	10	570	10	670	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA16D		HTA17		HTA18		HTA19	
Sample date & time:	10/03/2007	1115	10/02/2007	1645	10/03/2007	1320	10/03/2007	1220
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	63 J,V	100	ND	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.21 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	36	1.0	38	1.0	36	1.0	35	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	ND	2.0	0.55 J	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	2.1 V	1.0	1.8 V	1.0	0.32 J	1.0	0.74 J	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	ND	100	ND	100	24 J	100	ND	100
Lead, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Manganese, SW6020	0.59 J	1.0	ND	1.0	0.81 J	1.0	0.37 J	1.0
Mercury	0.045 J	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	6.6	2.0	9.7	2.0	14	2.0	7.3	2.0
Nickel, SW6020	1.4 J	2.0	1.5 J	2.0	1.2 J	2.0	1.6 J	2.0
Selenium, SW6020	3.5 J,V	5.0	3.7 J,V	5.0	2.8 J	5.0	3.7 J	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.7 J,V	10	6.0 J,V	10	3.3 J,V	10	5.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA20		HTA21		HTA22		HTA23	
Sample date & time:	10/01/2007	1620	10/03/2007	1540	10/03/2007	1425	10/02/2007	1425
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	110	0.2	100	0.2	98	0.2	82	0.2
Magnesium, SW6010B	28	0.2	24	0.2	22	0.2	19	0.2
Potassium, SW6010B	0.85 J	3.0	1.7 J	3.0	1.7 J	3.0	2.8 J	3.0
Sodium, SW6010B	71	1.0	61	1.0	58	1.0	51	1.0
Alkalinity, MCAWW310.1	240 V	5.0	190 V	5.0	210 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	38 V	3.0	40	3.0	31	3.0	22 V	3.0
Sulfate, MCAWW300.0A	160 Q	25	140 Q	25	120 Q	25	100 Q	25
Bromide, MCAWW300.0A	0.84	0.20	0.24	0.20	0.22	0.20	0.18 J	0.20
Fluoride, MCAWW300.0A	3.9	0.50	3.3	0.50	4.3	0.50	4.5	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	650 V	10	590	10	530	10	460 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA20		HTA21		HTA22		HTA23	
Sample date & time:	10/01/2007	1620	10/03/2007	1540	10/03/2007	1425	10/02/2007	1425
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	32 J	100	ND	100	28 J,V	100
Antimony, SW6020	1.9 J	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.84 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	28	1.0	36	1.0	37	1.0	56	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	0.067 J	1.0
Chromium, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	2.8 V	1.0	0.71 J	1.0	0.18 J	1.0	0.18 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	31 J	100	ND	100	ND	100	ND	100
Lead, SW6020	ND	1.0	0.19 J	1.0	0.19 J	1.0	1.1	1.0
Manganese, SW6020	2.7	1.0	2.2	1.0	1.2	1.0	13	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	0.035 J,V	0.20
Molybdenum, SW6020	9.6	2.0	7.5	2.0	19	2.0	15	2.0
Nickel, SW6020	1.4 J	2.0	1.1 J	2.0	1.1 J	2.0	1.2 J	2.0
Selenium, SW6020	3.1 J,V	5.0	1.9 J	5.0	1.9 J	5.0	2.9 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	0.020 J	1.0	0.060 J	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	140 V	10	3.2 J,V	10	6.5 J,V	10	5.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA24		HTA25		HTA26		HTA27	
Sample date & time:	10/04/2007	1140	10/01/2007	1735	10/04/2007	1000	10/03/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	110	0.2	120	0.2	110	0.2	86	0.2
Magnesium, SW6010B	28	0.2	28	0.2	26	0.2	22	0.2
Potassium, SW6010B	1.3 J	3.0	2.0 J	3.0	3.0	3.0	2.1 J	3.0
Sodium, SW6010B	74	1.0	86	1.0	70	1.0	45	1.0
Alkalinity, MCAWW310.1	280 V	5.0	260 V	5.0	220 V	5.0	180 V	5.0
Chloride, MCAWW300.0A	35	3.0	49 V	3.0	29	3.0	31	3.0
Sulfate, MCAWW300.0A	200 V,Q	25	180 Q	25	190 V,Q	25	140 Q	25
Bromide, MCAWW300.0A	0.28	0.20	0.27	0.20	0.19 J	0.20	0.19 J	0.20
Fluoride, MCAWW300.0A	4.3	0.50	3.4	0.50	3.3	0.50	2.7	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	660	10	680 V	10	620	10	480	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA24		HTA25		HTA26		HTA27	
Sample date & time:	10/04/2007	1140	10/01/2007	1735	10/04/2007	1000	10/03/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	52 J	100	34 J,V	100	ND	100	47 J	100
Antimony, SW6020	ND	2.0	ND	2.0	0.73 J	2.0	ND	2.0
Arsenic, SW6020	0.21 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	30	1.0	34	1.0	30	1.0	39	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	0.13 J	1.0	0.13 J	1.0	ND	1.0
Chromium, SW6020	2.0	2.0	ND	2.0	ND	2.0	0.56 J	2.0
Cobalt, SW6020	0.34 J	1.0	2.2 V	1.0	0.24 J	1.0	0.19 J	1.0
Copper, SW6020	ND	2.0	2.6	2.0	ND	2.0	ND	2.0
Iron, SW6010B	390 V	100	300	100	ND	100	ND	100
Lead, SW6020	ND	1.0	2.9	1.0	3.2	1.0	0.47 J	1.0
Manganese, SW6020	150	1.0	500	1.0	35	1.0	14	1.0
Mercury	ND	0.20	0.038 J	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	7.8	2.0	15	2.0	44	2.0	24	2.0
Nickel, SW6020	2.2	2.0	2.5	2.0	1.5 J	2.0	1.2 J	2.0
Selenium, SW6020	ND	5.0	2.8 J,V	5.0	2.5 J	5.0	ND	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	0.050 J	1.0	0.024 J	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.6 J,V	10	250 V	10	4.6 J,V	10	5.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA28		HTA29		HTA30		HTA31	
Sample date & time:	10/03/2007	1215	10/04/2007	1110	10/01/2007	1635	10/01/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	90	0.2	120	0.2	86	0.2	100	0.2
Magnesium, SW6010B	20	0.2	27	0.2	23	0.2	23	0.2
Potassium, SW6010B	1.0 J	3.0	1.2 J	3.0	1.0 J	3.0	0.79 J	3.0
Sodium, SW6010B	62	1.0	72	1.0	58	1.0	69	1.0
Alkalinity, MCAWW310.1	180 V	5.0	240 V	5.0	180 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	35	3.0	33	3.0	20	3.0	37	3.0
Sulfate, MCAWW300.0A	140 V,Q	25	210 V,Q	25	170 Q	25	170 Q	25
Bromide, MCAWW300.0A	0.24	0.20	0.28	0.20	0.17 J	0.20	0.23	0.20
Fluoride, MCAWW300.0A	4.0	0.50	3.8	0.50	4.1	0.50	4.0	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	540	10	660	10	530	10	570	10
Orthophosphate, MCAW300.0A	0.27 J	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA28		HTA29		HTA30		HTA31	
Sample date & time:	10/03/2007	1215	10/04/2007	1110	10/01/2007	1635	10/01/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	ND	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	0.22 J	5.0	ND	5.0	ND	5.0
Barium, SW6020	31	1.0	29	1.0	33	1.0	33	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	0.24 J	1.0	ND	1.0	ND	1.0
Chromium, SW6020	ND	2.0	ND	2.0	0.65 J	2.0	ND	2.0
Cobalt, SW6020	0.15 J	1.0	0.27 J	1.0	0.25 J	1.0	0.15 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	ND	100	ND	100	ND	100	ND	100
Lead, SW6020	0.31 J	1.0	ND	1.0	ND	1.0	ND	1.0
Manganese, SW6020	1.3	1.0	13	1.0	ND	1.0	0.68 J	1.0
Mercury	ND	0.20	0.027 J	0.20	ND	0.20	0.028 J,V	0.20
Molybdenum, SW6020	15	2.0	11	2.0	15	2.0	12	2.0
Nickel, SW6020	1.0 J	2.0	1.5 J	2.0	1.2 J	2.0	1.3 J	2.0
Selenium, SW6020	2.6 J	5.0	2.2 J	5.0	2.0 J	5.0	4.3 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	0.71 J	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.5 J,V	10	4.4 J,V	10	2.9 J,V	10	3.5 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA32		HTA33		HTA34		HTA35	
Sample date & time:	10/03/2007	1530	10/02/2007	1015	10/02/2007	1005	10/01/2007	1435
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	96	0.2	99	0.2	100	0.2	100	0.2
Magnesium, SW6010B	20	0.2	22	0.2	24	0.2	17	0.2
Potassium, SW6010B	0.94 J	3.0	2.4 J	3.0	2.7 J	3.0	2.6 J	3.0
Sodium, SW6010B	67	1.0	60	1.0	69	1.0	57	1.0
Alkalinity, MCAWW310.1	190 V	5.0	250 V	5.0	280 V	5.0	190 V	5.0
Chloride, MCAWW300.0A	35	3.0	29 V	3.0	31	3.0	33	3.0
Sulfate, MCAWW300.0A	150 Q	25	140 Q	25	160 Q	25	180 Q	25
Bromide, MCAWW300.0A	0.24	0.20	0.23	0.20	0.24	0.20	0.21	0.20
Fluoride, MCAWW300.0A	4.2	0.50	3.6	0.50	2.6	0.50	2.7	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	580	10	570 V	10	600 V	10	530	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA32		HTA33		HTA34		HTA35	
Sample date & time:	10/03/2007	1530	10/02/2007	1015	10/02/2007	1005	10/01/2007	1435
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	33 J	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	0.10 J	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	0.22 J	5.0	ND	5.0
Barium, SW6020	27	1.0	42	1.0	59	1.0	11	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	ND	2.0	ND	2.0	ND	2.0	0.53 J	2.0
Cobalt, SW6020	0.13 J	1.0	0.13 J	1.0	0.16 J,V	1.0	0.15 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	0.74 J	2.0
Iron, SW6010B	22 J,V	100	ND	100	69 J	100	ND	100
Lead, SW6020	ND	1.0	ND	1.0	1.7	1.0	ND	1.0
Manganese, SW6020	ND	1.0	0.76 J	1.0	270	1.0	0.54 J	1.0
Mercury	ND	0.20	ND	0.20	0.041 J,V	0.20	ND	0.20
Molybdenum, SW6020	13	2.0	18	2.0	6.7	2.0	21	2.0
Nickel, SW6020	1.0 J	2.0	1.2 J	2.0	1.3 J	2.0	1.2 J	2.0
Selenium, SW6020	2.5 J	5.0	1.8 J	5.0	2.1 J,V	5.0	2.5 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	0.021 J	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	2.5 J	10	ND	10	ND	10	2.7 J	10
Zinc, SW6020	2.6 J,V	10	6.0 J,V	10	3.5 J,V	10	4.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels]

Sample ID:	HTA36		HTA37		HTA38		HTA39	
Sample date & time:	10/02/2007	1310	10/02/2007	1230	10/02/2007	1150	10/02/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	85	0.2	81	0.2	70	0.2	90	0.2
Magnesium, SW6010B	14	0.2	12	0.2	12	0.2	12	0.2
Potassium, SW6010B	4.5	3.0	2.6 J	3.0	1.5 J	3.0	2.5 J	3.0
Sodium, SW6010B	47	1.0	42	1.0	42	1.0	56	1.0
Alkalinity, MCAWW310.1	230 V	5.0	190 V	5.0	180 V	5.0	160 V	5.0
Chloride, MCAWW300.0A	15 V	3.0	17 V	3.0	14 V	3.0	37 V	3.0
Sulfate, MCAWW300.0A	77 Q	25	86 Q	25	75 Q	25	120 Q	25
Bromide, MCAWW300.0A	0.13 J	0.20	0.15 J	0.20	0.14 J	0.20	0.30	0.20
Fluoride, MCAWW300.0A	3.6	0.50	3.7	0.50	4.0	0.50	2.9	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	430 V	10	420 V	10	400 V	10	480 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **ND**, not detected; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA36		HTA37		HTA38		HTA39	
Sample date & time:	10/02/2007	1310	10/02/2007	1230	10/02/2007	1150	10/02/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	170	100	85 J	100	20 J	100	21 J	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.23 J	5.0	ND	5.0	0.35 J	5.0	0.47 J	5.0
Barium, SW6020	25	1.0	4.5	1.0	47	1.0	46	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.94 J	2.0	ND	2.0	1.3 J	2.0	1.3 J	2.0
Cobalt, SW6020	0.36 J	1.0	0.14 J	1.0	0.11 J	1.0	0.23 J,V	1.0
Copper, SW6020	0.73 J	2.0	0.71 J	2.0	1.1 J	2.0	ND	2.0
Iron, SW6010B	300	100	ND	100	ND	100	51 J	100
Lead, SW6020	0.91 J	1.0	0.29 J	1.0	0.29 J	1.0	0.53 J	1.0
Manganese, SW6020	300	1.0	45	1.0	4.7	1.0	19	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	16	2.0	17	2.0	10	2.0	21	2.0
Nickel, SW6020	1.6 J	2.0	1.1 J	2.0	1.1 J	2.0	1.8 J	2.0
Selenium, SW6020	ND	5.0	1.1 J	5.0	0.96 J	5.0	3.7 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	2.6 J	10	3.6 J	10
Zinc, SW6020	9.4 J,V	10	3.8 J,V	10	3.3 J,V	10	4.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA40		Equipment Blank HTA40		HTA41		HTA42	
Sample date & time:	10/02/2007	1450	10/02/2007	1530	10/03/2007	1125	10/02/2007	1355
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	85	0.2	0.22	0.2	94	0.2	92	0.2
Magnesium, SW6010B	12	0.2	ND	0.2	15	0.2	14	0.2
Potassium, SW6010B	2.3 J	3.0	ND	3.0	1.9 J	3.0	1.8 J	3.0
Sodium, SW6010B	62	1.0	ND	1.0	54	1.0	59	1.0
Alkalinity, MCAWW310.1	250 V	5.0	ND	5.0	190 V	5.0	190 V	5.0
Chloride, MCAWW300.0A	25 V	3.0	0.56 J,V	3.0	26	3.0	26 V	3.0
Sulfate, MCAWW300.0A	60 Q	25	0.35 J	5.0	140 Q	25	130 Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	ND	0.20	0.18 J	0.20	0.17 J	0.20
Fluoride, MCAWW300.0A	2.5	0.50	0.066 J	0.50	3.2	0.50	3.9	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	430 V	10	ND	10	530	10	520 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	0.62	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected]

Sample ID:	HTA40		Equipment Blank HTA40		HTA41		HTA42	
Sample date & time:	10/02/2007	1450	10/02/2007	1530	10/03/2007	1125	10/02/2007	1355
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	34 J	100	ND	100	32 J	100	44 J,V	100
Antimony, SW6020	0.074 J	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	0.32 J	5.0	0.28 J	5.0
Barium, SW6020	4.9	1.0	ND	1.0	32	1.0	35	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.83 J	2.0	1.1 J	2.0	0.71 J	2.0	0.55 J	2.0
Cobalt, SW6020	0.15 J,V	1.0	0.027 J,V	1.0	0.21 J	1.0	0.13 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	78 J	100	ND	100	48 J	100	180	100
Lead, SW6020	0.31 J	1.0	ND	1.0	1.3	1.0	ND	1.0
Manganese, SW6020	58	1.0	0.54 J	1.0	16	1.0	ND	1.0
Mercury	0.056 J,V	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	0.41 J	2.0	ND	2.0	6.0	2.0	3.7	2.0
Nickel, SW6020	1.3 J	2.0	0.46 J	2.0	1.4 J	2.0	1.1 J	2.0
Selenium, SW6020	2.0 J,V	5.0	1.8 J,V	5.0	1.9 J	5.0	3.5 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	3.1 J	10	3.3 J	10
Zinc, SW6020	5.6 J,V	10	3.3 J,V	10	6.3 J,V	10	3.1 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA43		HTA44		HTA45		HTA46	
Sample date & time:	10/01/2007	1550	10/01/2007	1550	10/02/2007	1540	10/01/2007	1430
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	96	0.2	88	0.2	90	0.2	85	0.2
Magnesium, SW6010B	23	0.2	14	0.2	15	0.2	21	0.2
Potassium, SW6010B	1.2 J	3.0	2.0 J	3.0	2.0 J	3.0	2.4 J	3.0
Sodium, SW6010B	69	1.0	56	1.0	56	1.0	75	1.0
Alkalinity, MCAWW310.1	200 V	5.0	180 V	5.0	160 V	5.0	270 V	5.0
Chloride, MCAWW300.0A	37	3.0	25	3.0	24 V	3.0	45	3.0
Sulfate, MCAWW300.0A	180 Q	25	150 Q	25	130 Q	25	99 Q	25
Bromide, MCAWW300.0A	0.23	0.20	0.19 J	0.20	0.16 J	0.20	0.25	0.20
Fluoride, MCAWW300.0A	3.6	0.50	3.0	0.50	3.2	0.50	3.0	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	580	10	480	10	500	10	530	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	0.59	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA43		HTA44		HTA45		HTA46	
Sample date & time:	10/03/2007	1125	10/01/2007	1550	10/02/2007	1540	10/01/2007	1430
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	26 J,V	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	0.37 J	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	0.91 J	5.0	0.47 J	5.0	ND	5.0
Barium, SW6020	25	1.0	7.8	1.0	30	1.0	26	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.55 J	2.0	ND	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	0.15 J,V	1.0	0.14 J,V	1.0	0.14 J,V	1.0	0.14 J,V	1.0
Copper, SW6020	ND	2.0	0.59 J	2.0	ND	2.0	ND	2.0
Iron, SW6010B	ND	100	ND	100	ND	100	ND	100
Lead, SW6020	ND	1.0	0.21 J	1.0	ND	1.0	ND	1.0
Manganese, SW6020	ND	1.0	20	1.0	ND	1.0	26	1.0
Mercury	ND	0.20	0.10 J	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	10	2.0	24	2.0	4.8	2.0	ND	2.0
Nickel, SW6020	1.1 J	2.0	1.4 J	2.0	1.0 J	2.0	1.2 J	2.0
Selenium, SW6020	3.8 J,V	5.0	13 V	5.0	4.2 J,V	5.0	2.1 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	0.039 J	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	3.4 J	10	ND	10
Zinc, SW6020	5.1 J,V	10	4.4 J,V	10	3.0 J,V	10	3.0 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA47A		HTA48		HTA50		HTA51	
Sample date & time:	10/03/2007	1205	10/03/2007	1020	10/03/2007	1340	10/03/2007	1300
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	93	0.2	100	0.2	81	0.2	110	0.2
Magnesium, SW6010B	19	0.2	11	0.2	20	0.2	27	0.2
Potassium, SW6010B	3.9	3.0	2.8 J	3.0	2.3 J	3.0	1.4 J	3.0
Sodium, SW6010B	56	1.0	61	1.0	54	1.0	70	1.0
Alkalinity, MCAWW310.1	170 V	5.0	280 V	5.0	160 V	5.0	240 V	5.0
Chloride, MCAWW300.0A	27	3.0	18 V	3.0	30	3.0	35	3.0
Sulfate, MCAWW300.0A	170 Q	25	82 Q	25	160 Q	25	200 Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	0.15 J	0.20	0.18 J	0.20	0.22	0.20
Fluoride, MCAWW300.0A	2.3	0.50	2.9	0.50	2.3	0.50	3.1	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	520	10	520	10	520	10	650	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected]

Sample ID:	HTA47A		HTA48		HTA50		HTA51	
Sample date & time:	10/03/2007	1205	10/03/2007	1020	10/03/2007	1340	10/03/2007	1300
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	48 J	100	44 J	100	46 J	100	28 J	100
Antimony, SW6020	0.092 J	2.0	ND	2.0	0.14 J	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	0.60 J	5.0	ND	5.0
Barium, SW6020	37	1.0	54	1.0	43	1.0	25	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.94 J	2.0	0.62 J	2.0	3.9	2.0	0.53 J	2.0
Cobalt, SW6020	0.18 J	1.0	0.18 J	1.0	0.24 J,V	1.0	0.17 J	1.0
Copper, SW6020	ND	2.0	ND	2.0	3.9	2.0	ND	2.0
Iron, SW6010B	50 J	100	130	100	180	100	38 J	100
Lead, SW6020	0.39 J	1.0	ND	1.0	0.33 J	1.0	0.45 J	1.0
Manganese, SW6020	2.5	1.0	160	1.0	4.5	1.0	0.91 J	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	6.7	2.0	2.9	2.0	6.6	2.0	5.3	2.0
Nickel, SW6020	1.4 J	2.0	1.7 J	2.0	13	2.0	1.3 J	2.0
Selenium, SW6020	1.3 J	5.0	ND	5.0	3.7 J,V	5.0	1.9 J	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	0.021 J	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	4.1 J	10	ND	10
Zinc, SW6020	6.7 J,V	10	3.4 J,V	10	33 V	10	3.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTAWM		EMRE1		EMRE2		SMR1A	
Sample date & time:	10/04/2007	1405	10/02/2007	1140	10/02/2007	13	10/04/2007	0910
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	100	0.2	83	0.2	89	0.2	78	0.2
Magnesium, SW6010B	18	0.2	13	0.2	14	0.2	48	0.2
Potassium, SW6010B	2.0 J	3.0	1.7 J	3.0	1.7 J	3.0	2.0 J	3.0
Sodium, SW6010B	60	1.0	53	1.0	57	1.0	30	1.0
Alkalinity, MCAWW310.1	220 V	5.0	170 V	5.0	170 V	5.0	230 V	5.0
Chloride, MCAWW300.0A	31	3.0	25 V	3.0	31	3.0	24	3.0
Sulfate, MCAWW300.0A	150 V,Q	25	120 Q	25	140 V,Q	25	150 V,Q	25
Bromide, MCAWW300.0A	0.23	0.20	0.19 J	0.20	0.22	0.20	0.15 J	0.20
Fluoride, MCAWW300.0A	3.2	0.50	3.3	0.50	3.4	0.50	1.0	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	540	10	480 V	10	520	10	510	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **ND**, not detected; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTAWM		EMRE1		EMRE2		SMR1A	
Sample date & time:	10/04/2007	1405	10/02/2007	1140	10/04/2007	1405	10/02/2007	1140
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	33 J	100	ND	100	18 J	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.34 J	5.0	0.61 J	5.0	0.35 J	5.0	0.36 J	5.0
Barium, SW6020	52	1.0	38	1.0	35	1.0	34	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.62 J	2.0	ND	2.0	ND	2.0	1.0 J	2.0
Cobalt, SW6020	0.22 J	1.0	0.13 J	1.0	0.12 J	1.0	0.091 J	1.0
Copper, SW6020	0.94 J	2.0	ND	2.0	ND	2.0	2.8	2.0
Iron, SW6010B	7000 V	100	ND	100	ND	100	42 J,V	100
Lead, SW6020	0.94 J	1.0	ND	1.0	ND	1.0	1.3	1.0
Manganese, SW6020	570	1.0	0.35 J	1.0	0.56 J	1.0	0.94 J	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	9.5	2.0	18	2.0	16	2.0	4.5	2.0
Nickel, SW6020	1.1 J	2.0	1.1 J	2.0	1.0 J	2.0	1.2 J	2.0
Selenium, SW6020	ND	5.0	1.8 J	5.0	2.2 J	5.0	2.0 J	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	3.5 J	10	3.0 J	10	3.2 J	10
Zinc, SW6020	18 V	10	3.5 J,V	10	3.0 J,V	10	120 J	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **B**, estimated concentration–detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	SMR2		SMR3		SMR4		Bonney Spring	
Sample date & time:	10/10/2007	1410	10/11/2007	1225	10/10/2007	1530	10/04/2007	1345
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	94	0.2	86	0.2	9.2	0.2	110	0.2
Magnesium, SW6010B	37	0.2	49	0.2	6.2	0.2	59	0.2
Potassium, SW6010B	1.9 J	3	2.1 J	3	2.8 J	3	2.1 J	3
Sodium, SW6010B	33	1	37	1	58	1	24	1
Alkalinity, MCAWW310.1	220 V	5.0	210 V	5.0	40 V	5.0	300 V	5.0
Chloride, MCAWW300.0A	28	3.0	37	3.0	37	3.0	27	3.0
Sulfate, MCAWW300.0A	170 Q	25	190 V,Q	25	72 Q	25	200 V,Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	0.19 J	0.20	0.23	0.20	0.18 J	0.20
Fluoride, MCAWW300.0A	1.8	0.50	0.56	0.50	1.9	0.50	1.2	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	560	10	610	10	210	10	650	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, the associated method blank contained the target analyte at a reportable limit; **B**, estimated concentration–detected below the reporting limit; **ND**, not detected; L, Serial dilution of digestate in the analytical batch indicates that physical and chemical interferences are present]

Sample ID:	SMR2		SMR3		SMR4		Bonney Spring	
Sample date & time:	10/10/2007	1410	10/11/2007	1225	10/10/2007	1410	10/11/2007	1225
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	450 J	100	30 B,J	100	29 B,J	100	54 B	100
Antimony, SW6020	0.074 B	2.0	ND	2.0	ND	2.0	0.32 B	2.0
Arsenic, SW6020	0.67 B	5.0	1.0 B	5.0	0.33 B	5.0	ND	5.0
Barium, SW6020	37	1.0	34	1.0	14	1.0	46	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	0.47 B,J	1.0	0.30 B,J	1.0	0.065 B,J	1.0	0.75 B	1.0
Chromium, SW6020	6.4	2.0	4.3	2.0	1.3 B	2.0	0.53 B	2.0
Cobalt, SW6020	0.75 B,J	1.0	0.55 B,J	1.0	0.17 B,J	1.0	0.24 B	1.0
Copper, SW6020	2.4	2.0	2.0	2.0	2.5	2.0	1.9 B	2.0
Iron, SW6010B	3,500 L	100	13,000 L	100	6,600 L	100	1,500 J	100
Lead, SW6020	0.82 B,J	1.0	8.9 J	1.0	4.8 J	1.0	6.7	1.0
Manganese, SW6020	120	1.0	210	1.0	51	1.0	120	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	3.6	2.0	3.2	2.0	2.1	2.0	1.3 B	2.0
Nickel, SW6020	3.1	2.0	5.3	2.0	0.90 B	2.0	1.3 B	2.0
Selenium, SW6020	3.5 B,J	5.0	2.6 B,J	5.0	0.84 B,J	5.0	ND	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	0.025 B	1.0	0.021 B	1.0	0.023 B	1.0	ND	1.0
Vanadium, SW6020	5.0 B	10	5.2 B	10	ND	10	ND	10
Zinc, SW6020	9.3 B,J	10	100 J	10	6.0 B,J	10	410 J	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **B**, estimated concentration–detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	Markam Spring	
Sample date & time:	10/04/2007	1200
Analytes and Methods	Result	RL
Major Ions (mg/L)		
Calcium, SW6010B	99	0.2
Magnesium, SW6010B	25	0.2
Potassium, SW6010B	0.62 J	3
Sodium, SW6010B	47	1
Alkalinity, MCAWW310.1	230 V	5.0
Chloride, MCAWW300.0A	26	3.0
Sulfate, MCAWW300.0A	140 V,Q	25
Bromide, MCAWW300.0A	0.25	0.20
Fluoride, MCAWW300.0A	4.3	0.50
General Chemistry (mg/L)		
Dissolved Solids, MCAWW160.1	540	10
Orthophosphate, MCAW300.0A	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **B**, estimated concentration–detected below the reporting limit; **ND**, not detected; **J**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	Markam Spring	
Sample date & time:	10/04/2007	1200
Analytes and Methods	Result	RL
Trace Elements and Compounds (µg/L)		
Aluminum, SW6010B	19 B	100
Antimony, SW6020	ND	2.0
Arsenic, SW6020	ND	5.0
Barium, SW6020	39	1.0
Beryllium, SW6010B	ND	1.0
Cadmium, SW6020	ND	1.0
Chromium, SW6020	ND	2.0
Cobalt, SW6020	0.18 B	1.0
Copper, SW6020	ND	2.0
Iron, SW6010B	110 J	100
Lead, SW6020	ND	1.0
Manganese, SW6020	15	1.0
Mercury	ND	0.20
Molybdenum, SW6020	12	2.0
Nickel, SW6020	1.1 B	2.0
Selenium, SW6020	0.81 B	5.0
Silver	ND	5.0
Thallium	ND	1.0
Vanadium, SW6020	ND	10
Zinc, SW6020	13 J	10

APPENDIX F

CY 2007 Groundwater Monitoring Data
to accompany LTM report
(on CD only)

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of Samples Collected April 9, 10, and 11, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
May 2007

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Field notes III-3

EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HAT31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected April 9, 10, and 11, 2007. Wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31-34, 42, 43, 45, 46, 50, 51, and SMR1A (production well for the Small Missile Range) were sampled this round. Total explosives (method SW8330) were analyzed in ground-water samples from wells HTA11, 12, 14, 16, 19, 20, 22-27, 32, and 46. Nitrate plus nitrite (method MCAWW353.2) were analyzed in ground-water samples from wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31, and 32. Perchlorate (method 8321A) was analyzed in ground-water samples from all the wells sampled. Severn Trent Services (STL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the April 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and 11)

show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12 through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the April 2007 sampling round are listed below:

Ground water from wells HTA11, HTA14, HTA16, and HTA20 showed the largest RDX concentrations 96 micrograms per liter (µg/L), 38 µg/L, 33 µg/L, and 59 µg/L, respectively (table 1). RDX concentrations in water from wells HTA19, HTA25, and HTA26, ranged from 0.21 µg/L (HTA19) to 2.3 µg/L (HTA25).

Ground water from well HTA19 continued to show the largest concentration of nitrate plus nitrite (23 mg/L) (fig. 17). Wells HTA11, HTA14, HTA16, HTA18, HTA19, HTA20, and HTA28 showed concentrations at or larger than 10 mg/L (table 1).

Ground water from wells HTA16 and HTA20 show the largest concentrations of perchlorate (20 mg/L and 21 mg/L, respectively).

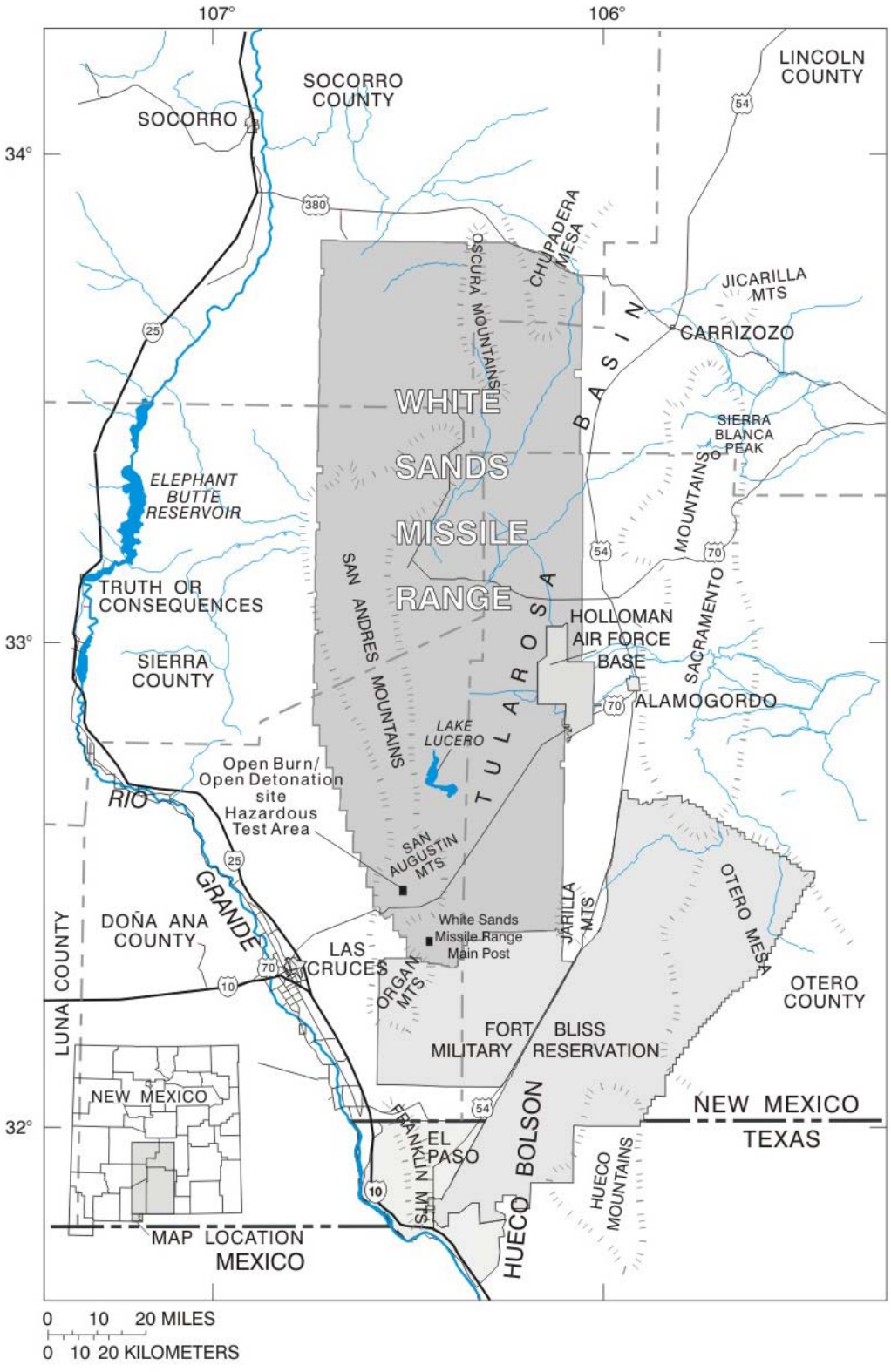
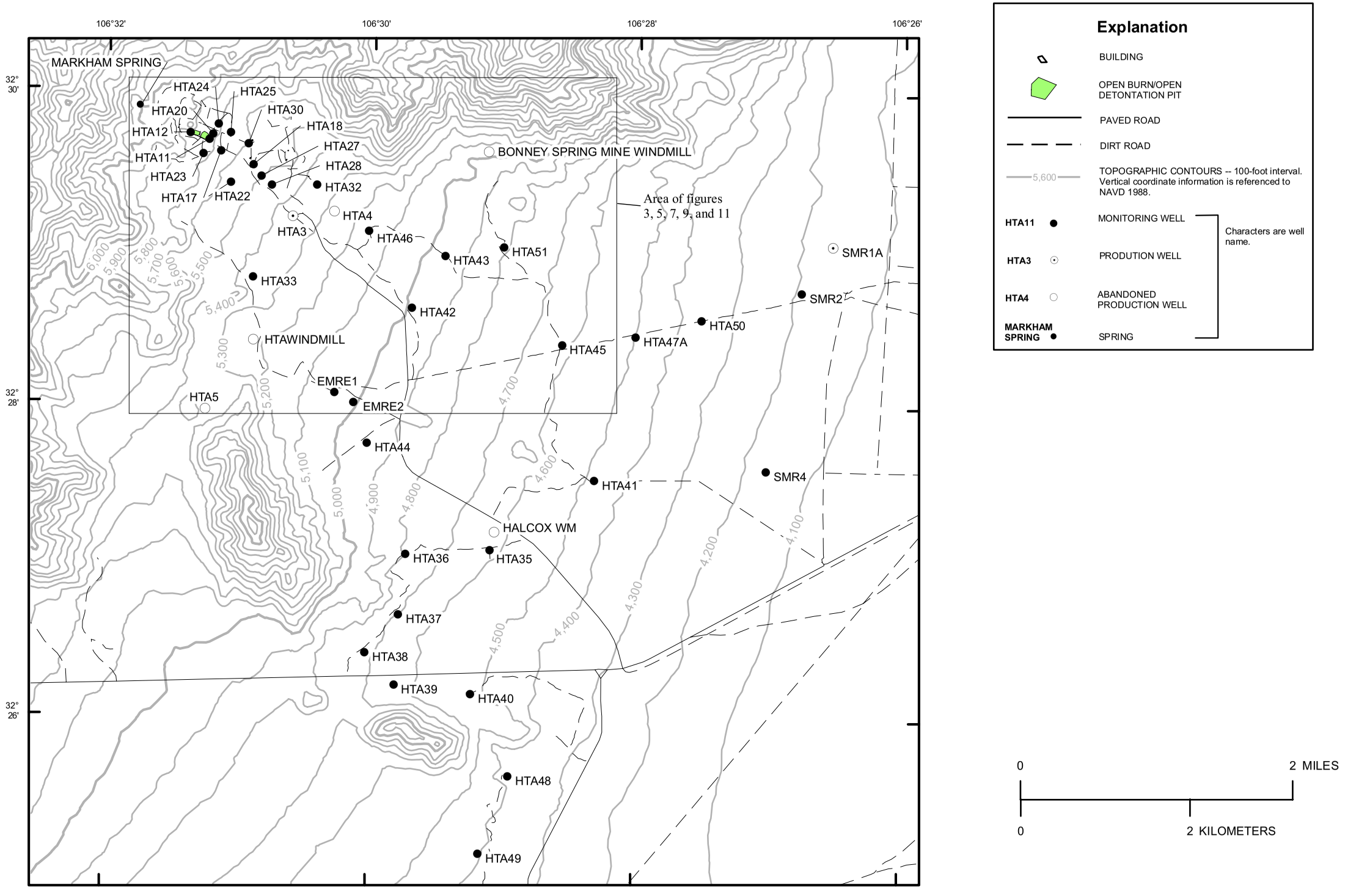


Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 — MONITORING WELL
- HTA3 — PRODUTION WELL
- HTA4 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING — SPRING

Characters are well name.

0 2 MILES

0 2 KILOMETERS

Figure 2. Location of wells at the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

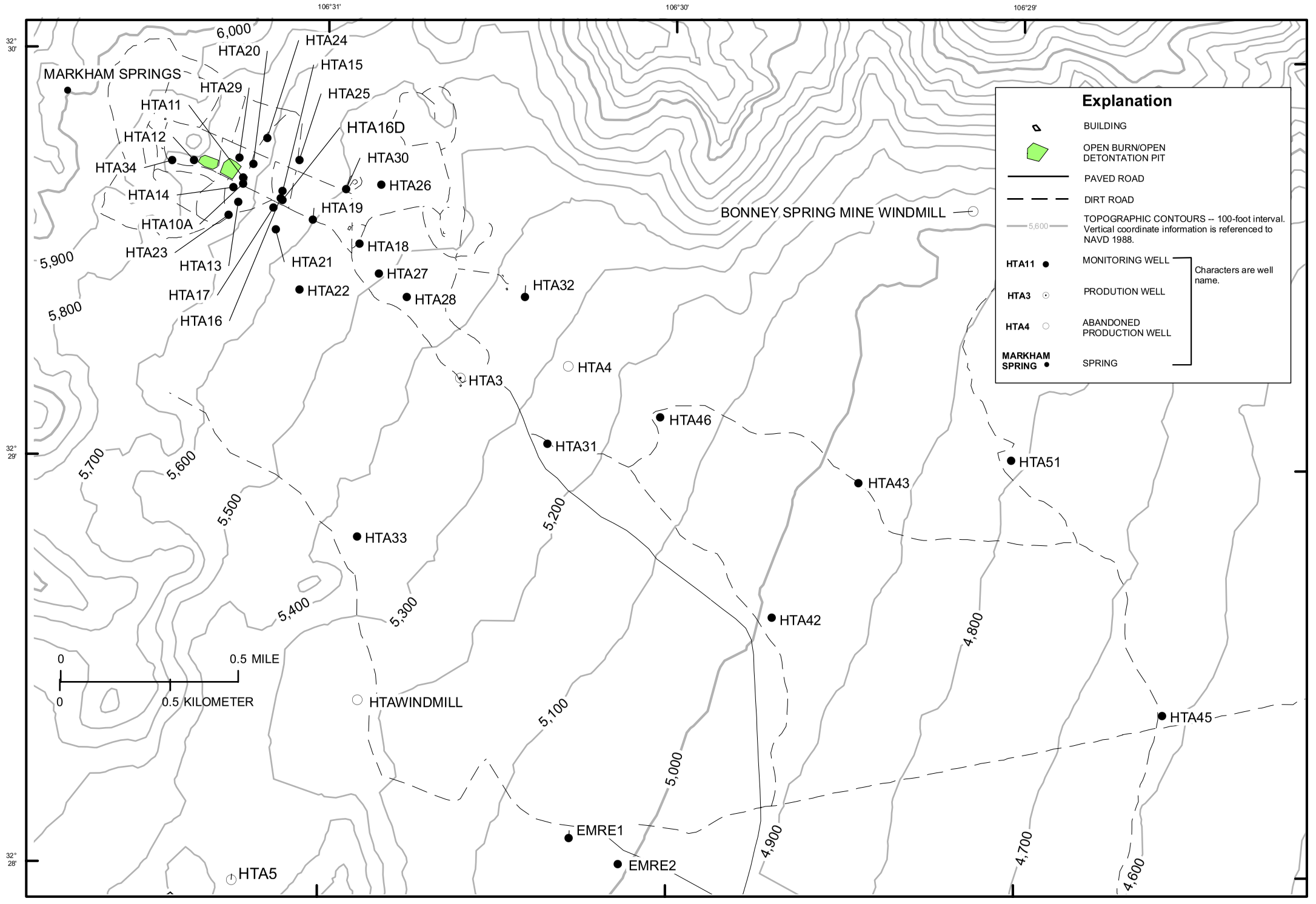
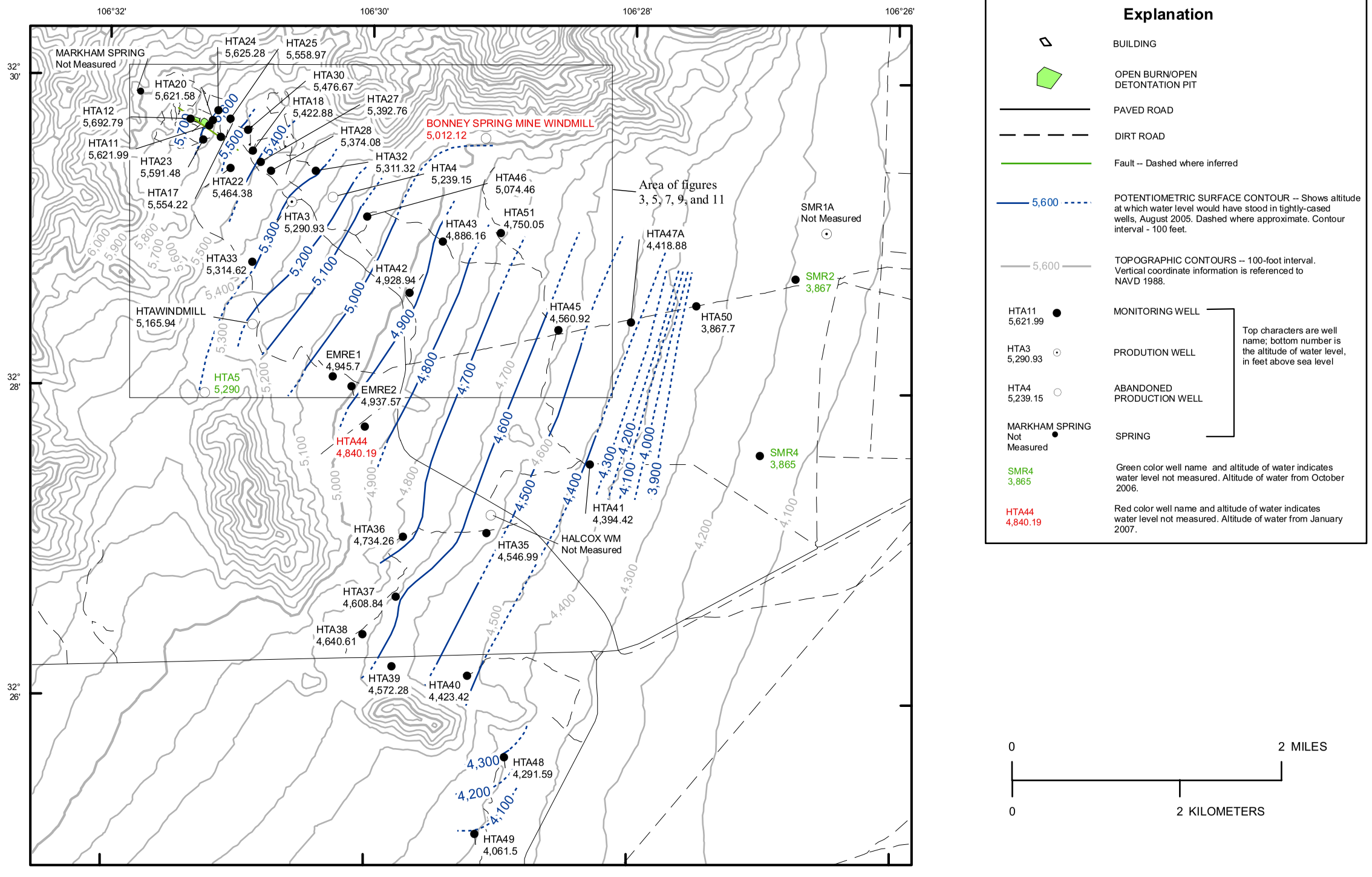


Figure 3. Location of wells at the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- Fault -- Dashed where inferred
- 5,600 — POTENTIOMETRIC SURFACE CONTOUR -- Shows altitude at which water level would have stood in tightly-cased wells, August 2005. Dashed where approximate. Contour interval - 100 feet.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 5,621.99 — MONITORING WELL
- HTA3 5,290.93 — PRODUTION WELL
- HTA4 5,239.15 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING Not Measured — SPRING

Top characters are well name; bottom number is the altitude of water level, in feet above sea level

- SMR4 3,865 — Green color well name and altitude of water indicates water level not measured. Altitude of water from October 2006.
- HTA44 4,840.19 — Red color well name and altitude of water indicates water level not measured. Altitude of water from January 2007.

0 2 MILES
0 2 KILOMETERS

Figure 4. Approximate altitude of the potentiometric surface, April 9, 10, and 11, 2007, in the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico

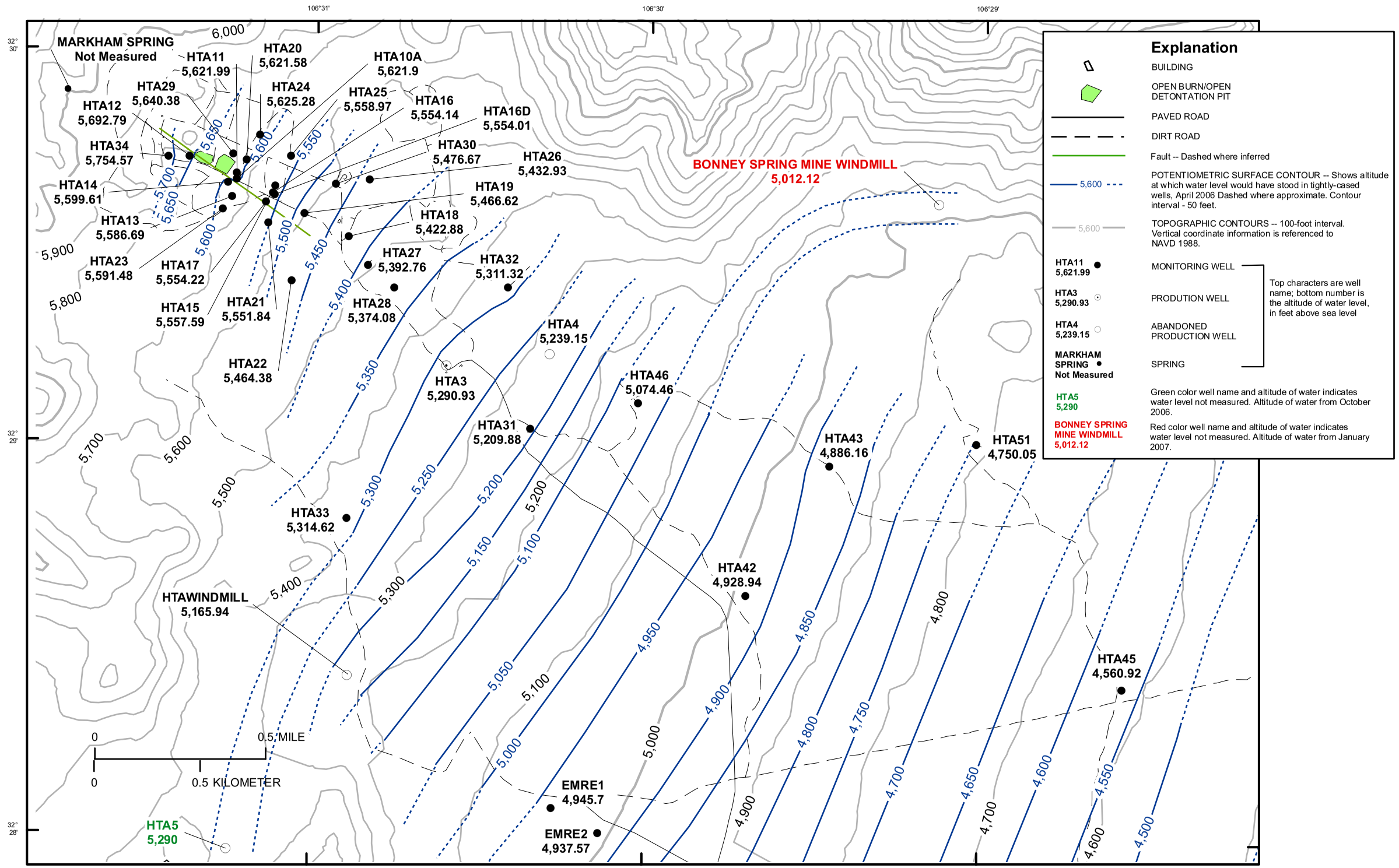
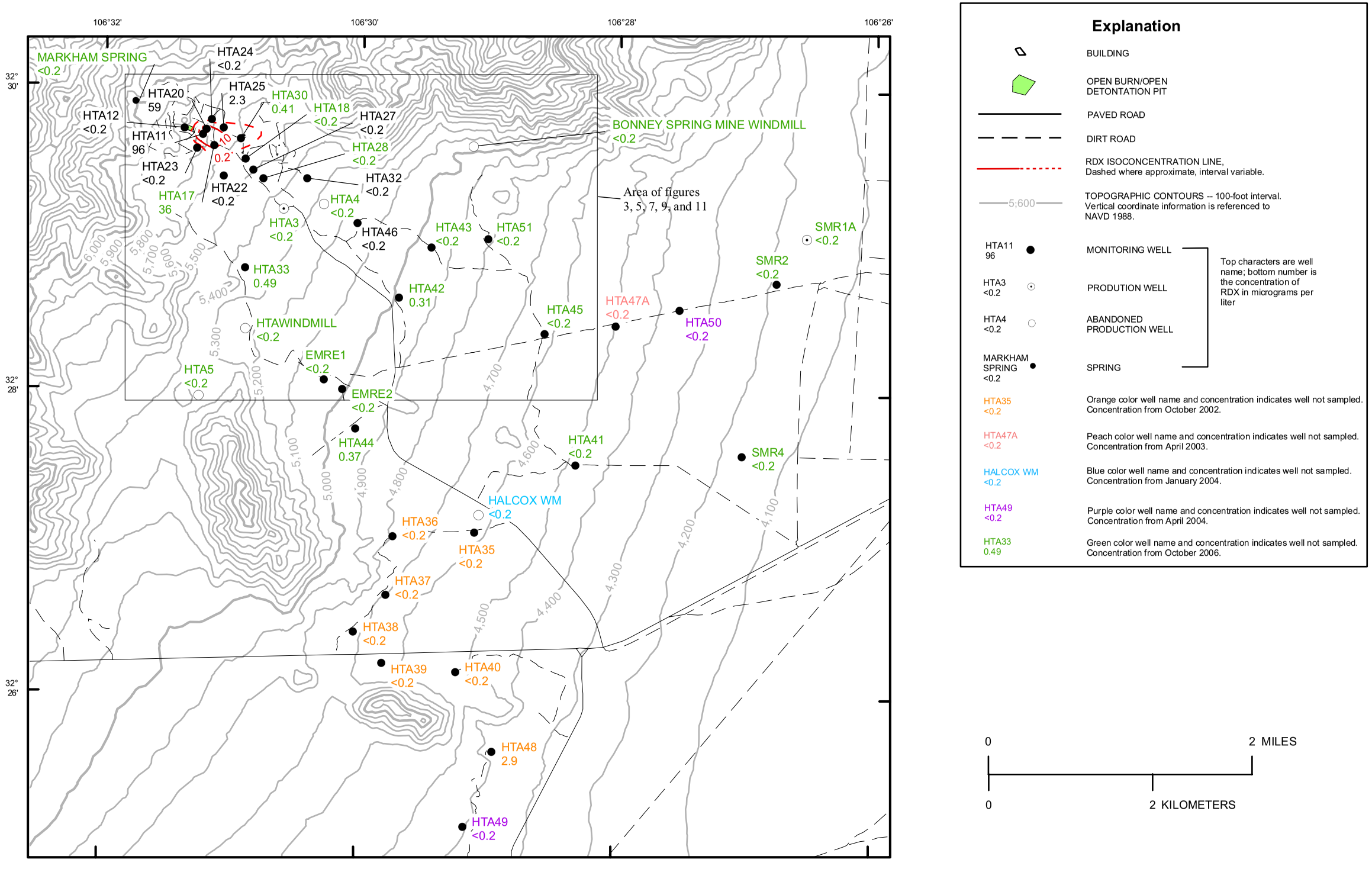


Figure 5. Approximate altitude of the potentiometric surface, April 9, 10, and 11, 2007, in the area downgradient from the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- RDX ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.

HTA11 96	MONITORING WELL
HTA3 <0.2	PRODUTION WELL
HTA4 <0.2	ABANDONED PRODUCTION WELL
MARKHAM SPRING <0.2	SPRING

Top characters are well name; bottom number is the concentration of RDX in micrograms per liter

HTA35 <0.2	Orange color well name and concentration indicates well not sampled. Concentration from October 2002.
HTA47A <0.2	Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
HALCOX WM <0.2	Blue color well name and concentration indicates well not sampled. Concentration from January 2004.
HTA49 <0.2	Purple color well name and concentration indicates well not sampled. Concentration from April 2004.
HTA33 0.49	Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 6. Selected concentrations of RDX in ground water in the Hazardous Test Area, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

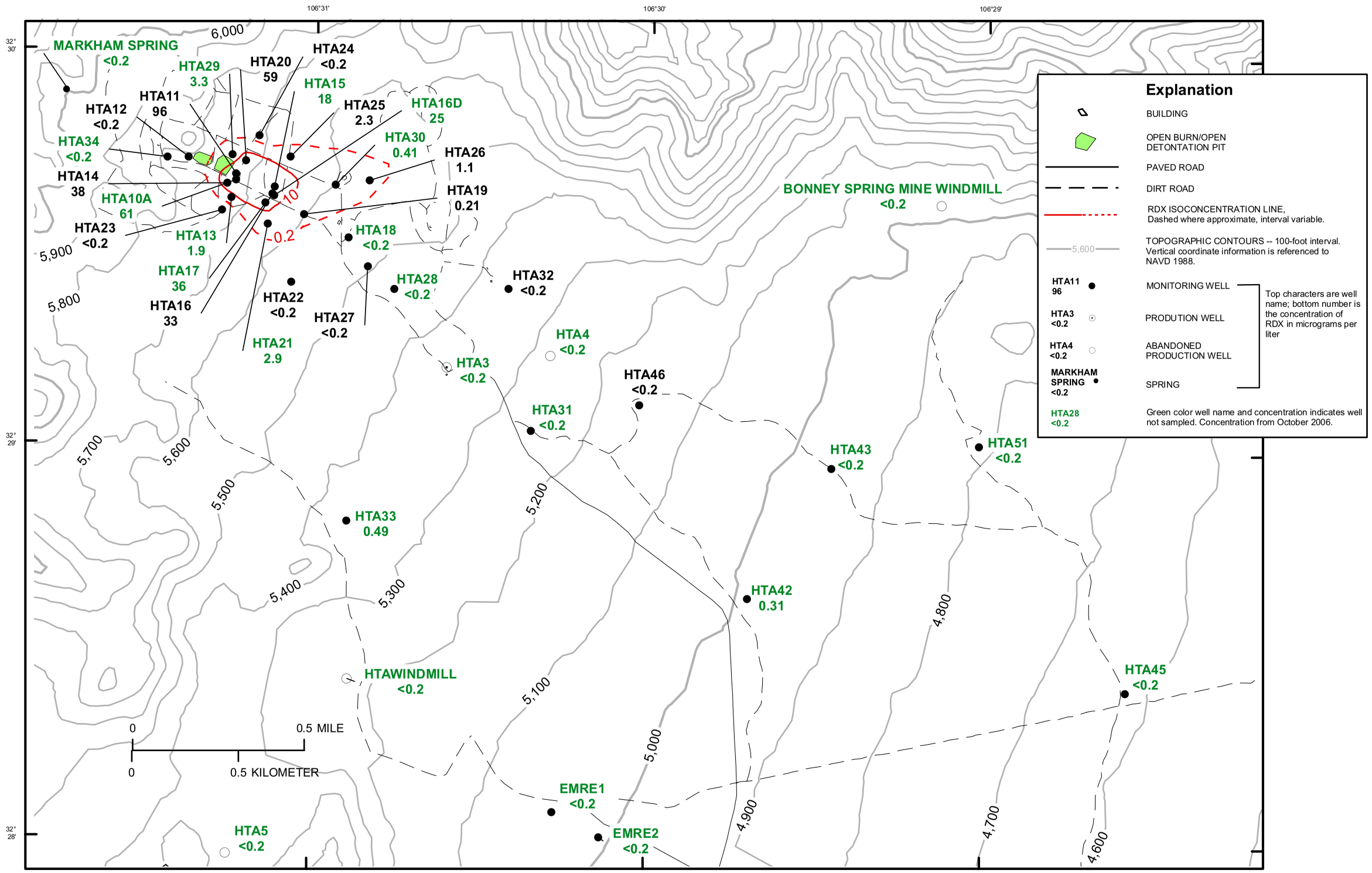
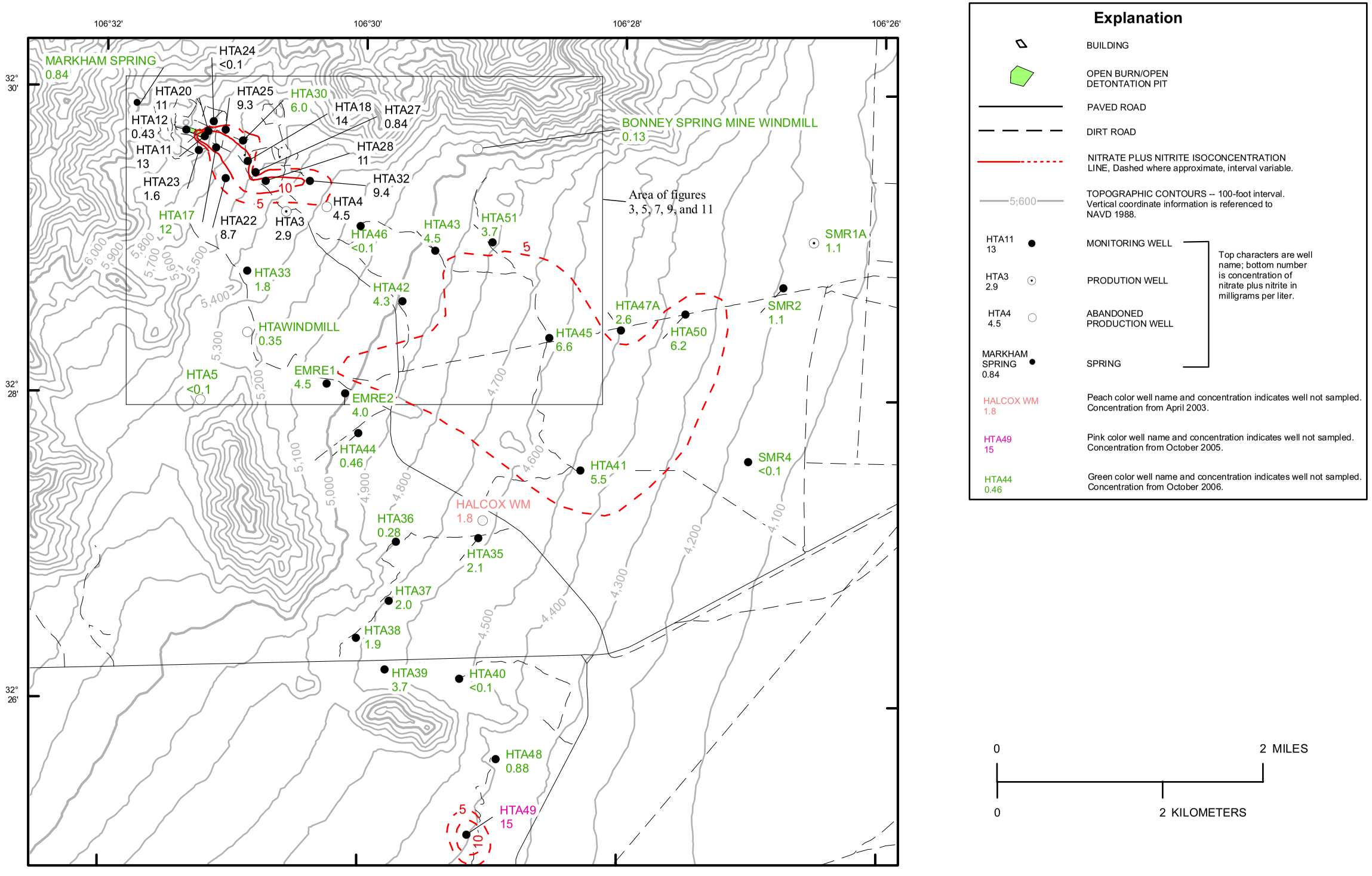


Figure 7. Concentrations of RDX in ground water downgradient from the Open Burn / Open Detonation Unit, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- NITRATE PLUS NITRITE ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 13 — MONITORING WELL
- HTA3 2.9 — PRODUTION WELL
- HTA4 4.5 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.84 — SPRING

Top characters are well name; bottom number is concentration of nitrate plus nitrite in milligrams per liter.

- HALCOX WM 1.8 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HTA49 15 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HTA44 0.46 — Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 8. Selected concentrations of nitrate plus nitrite in ground water in the Hazardous Test Area, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

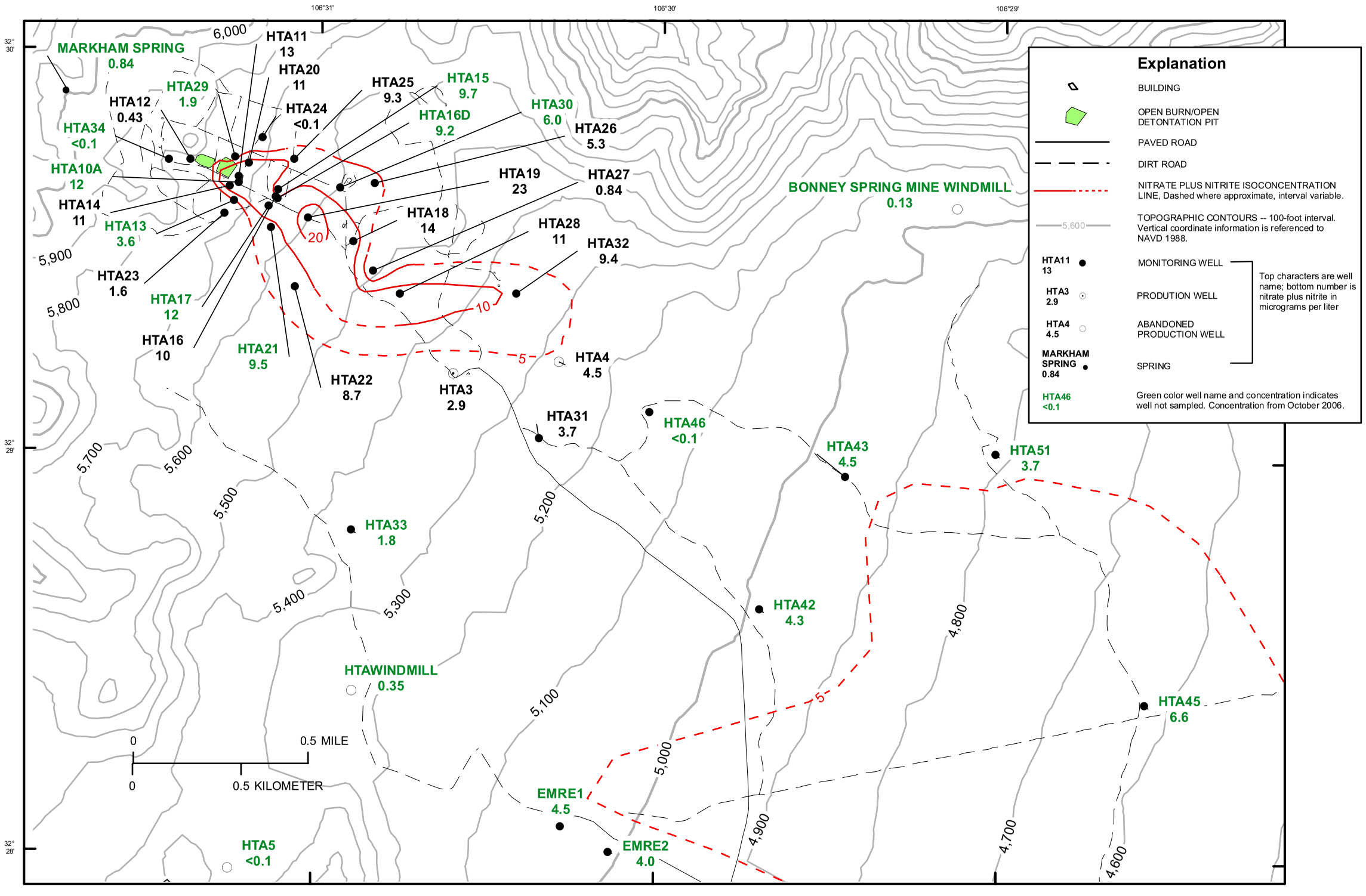
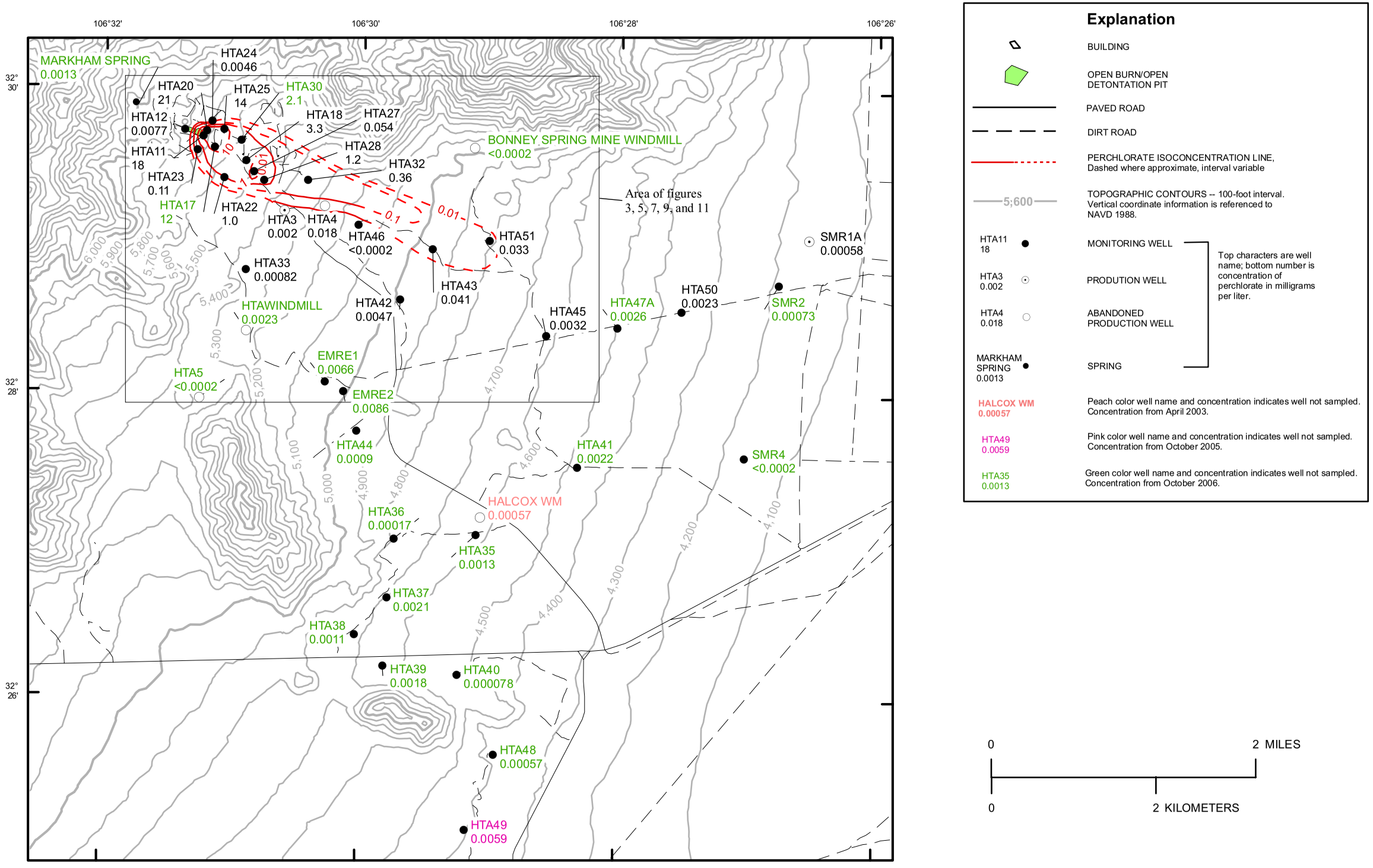


Figure 9. Concentrations of nitrate plus nitrite in ground water downgradient from the Open Burn / Open Detonation Unit, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- PERCHLORATE ISOCONCENTRATION LINE, Dashed where approximate, interval variable
- 5;600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 18 — MONITORING WELL
- HTA3 0.002 — PRODUTION WELL
- HTA4 0.018 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.0013 — SPRING

Top characters are well name; bottom number is concentration of perchlorate in milligrams per liter.

- HALCOX WM 0.00057 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HTA49 0.0059 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HTA35 0.0013 — Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 10. Selected concentrations of perchlorate in ground water in the Hazardous Test Area, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

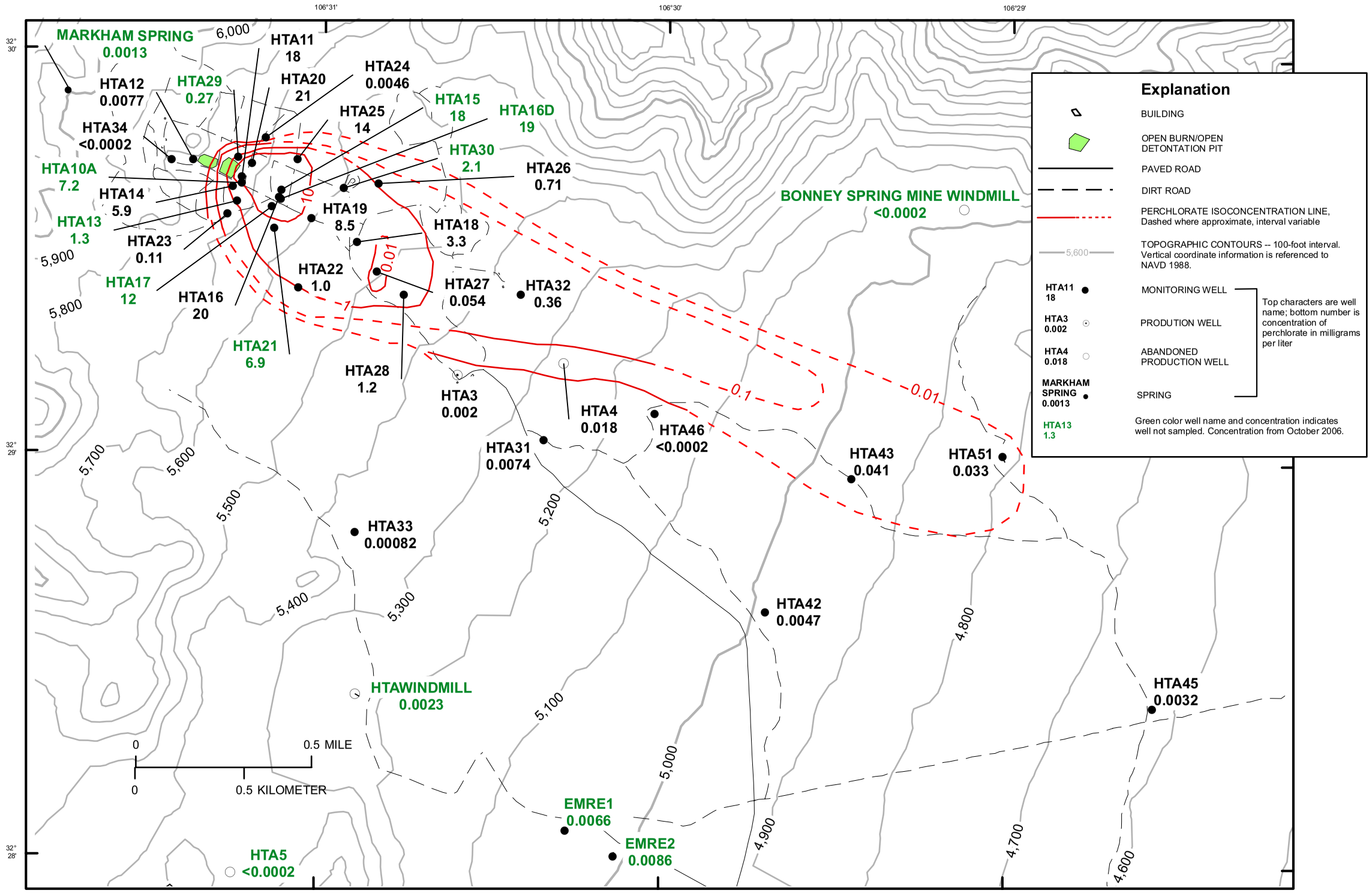


Figure 11. Concentrations of perchlorate in ground water downgradient from the Open Burn / Open Detonation Unit, April 9, 10, and 11, 2007, U.S. Army White Sands Missile Range, New Mexico.

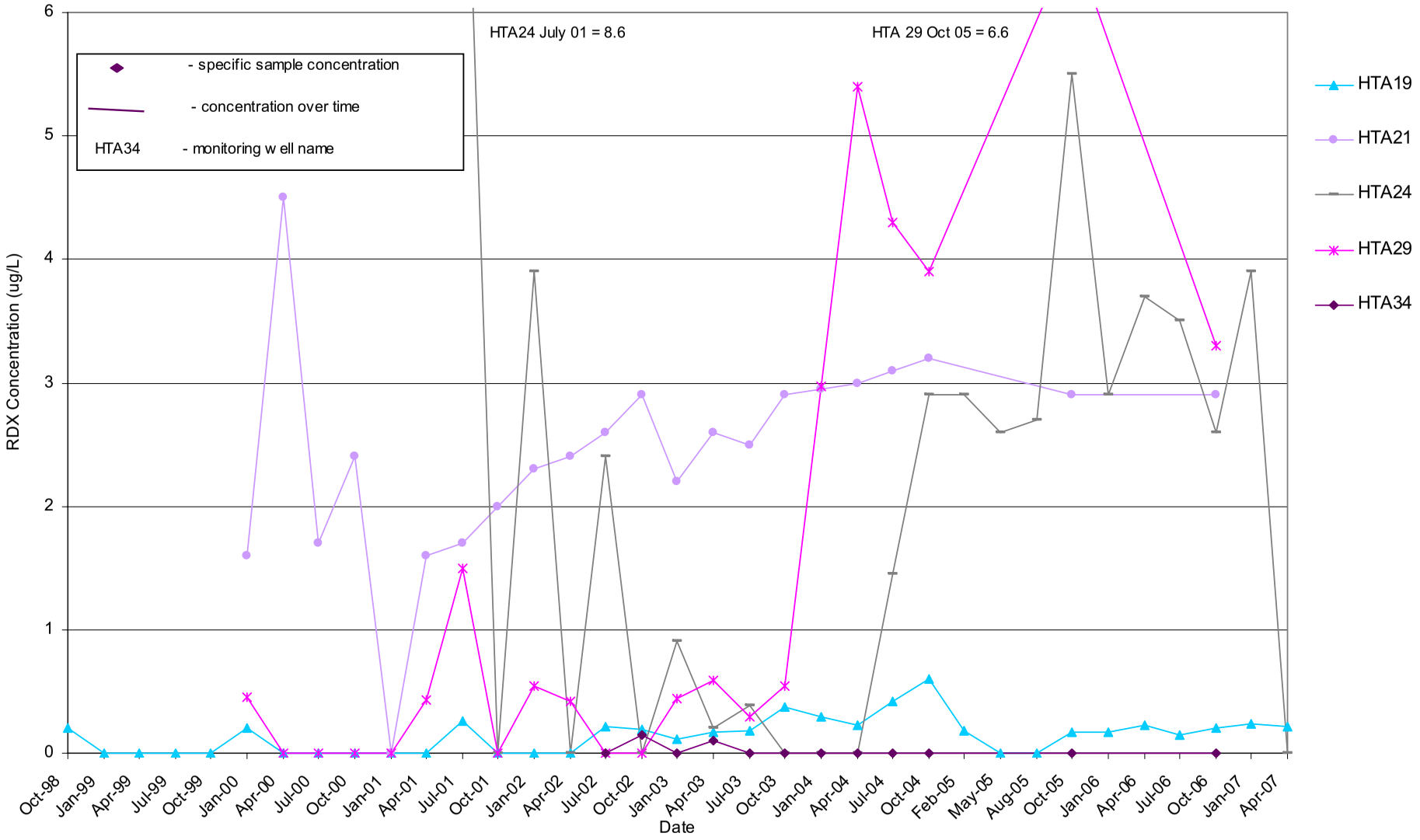


Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

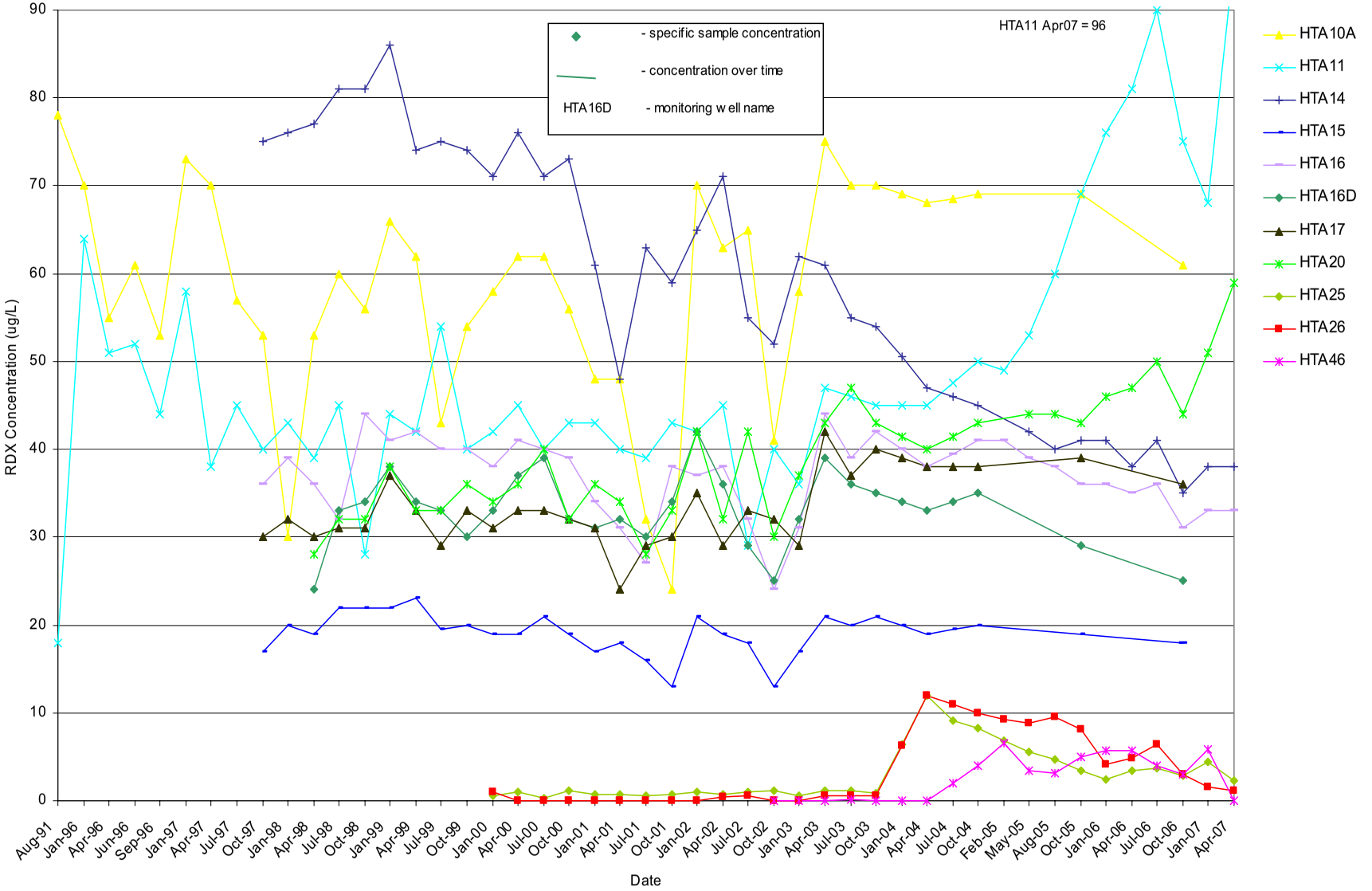


Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

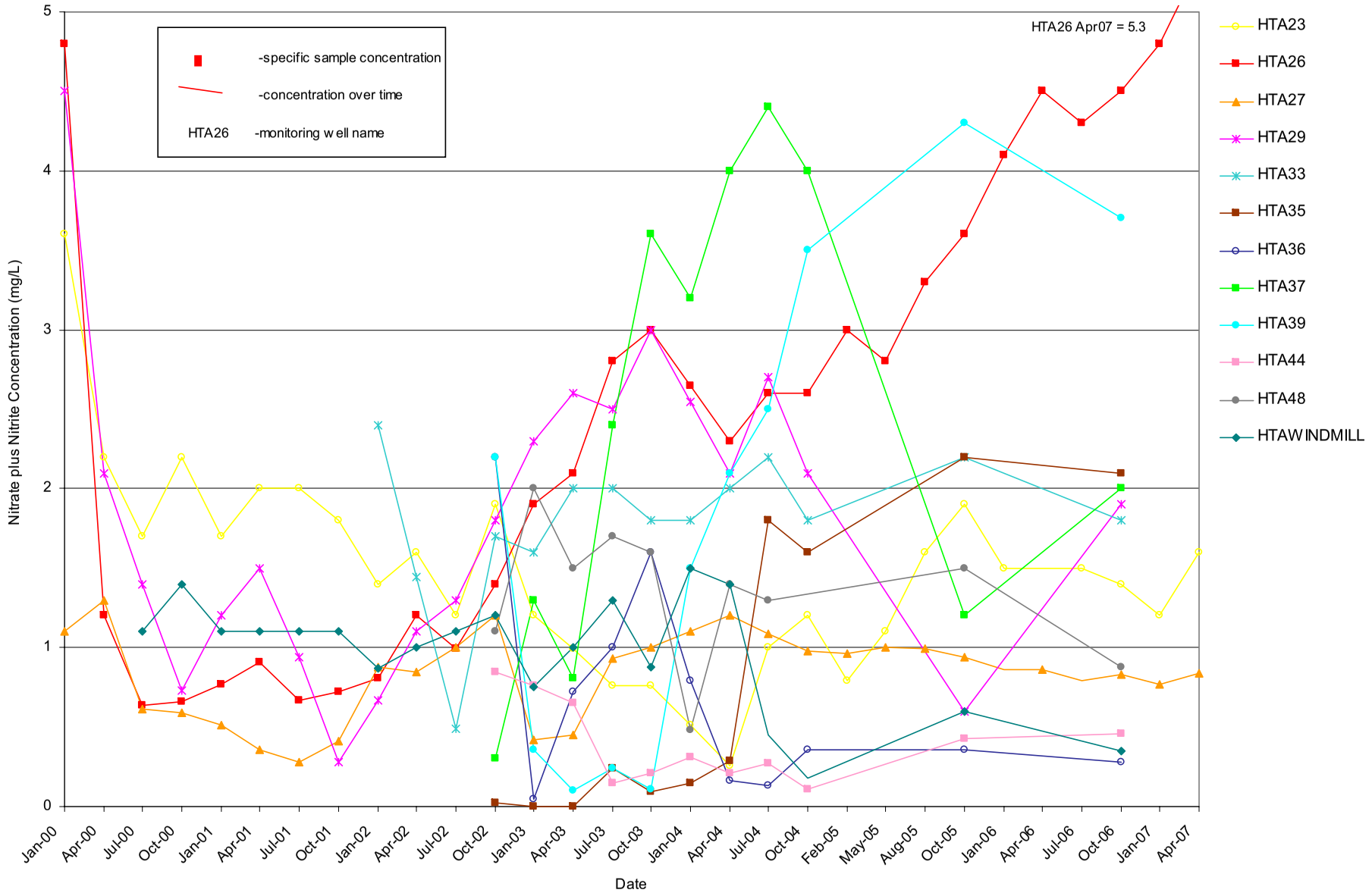


Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico

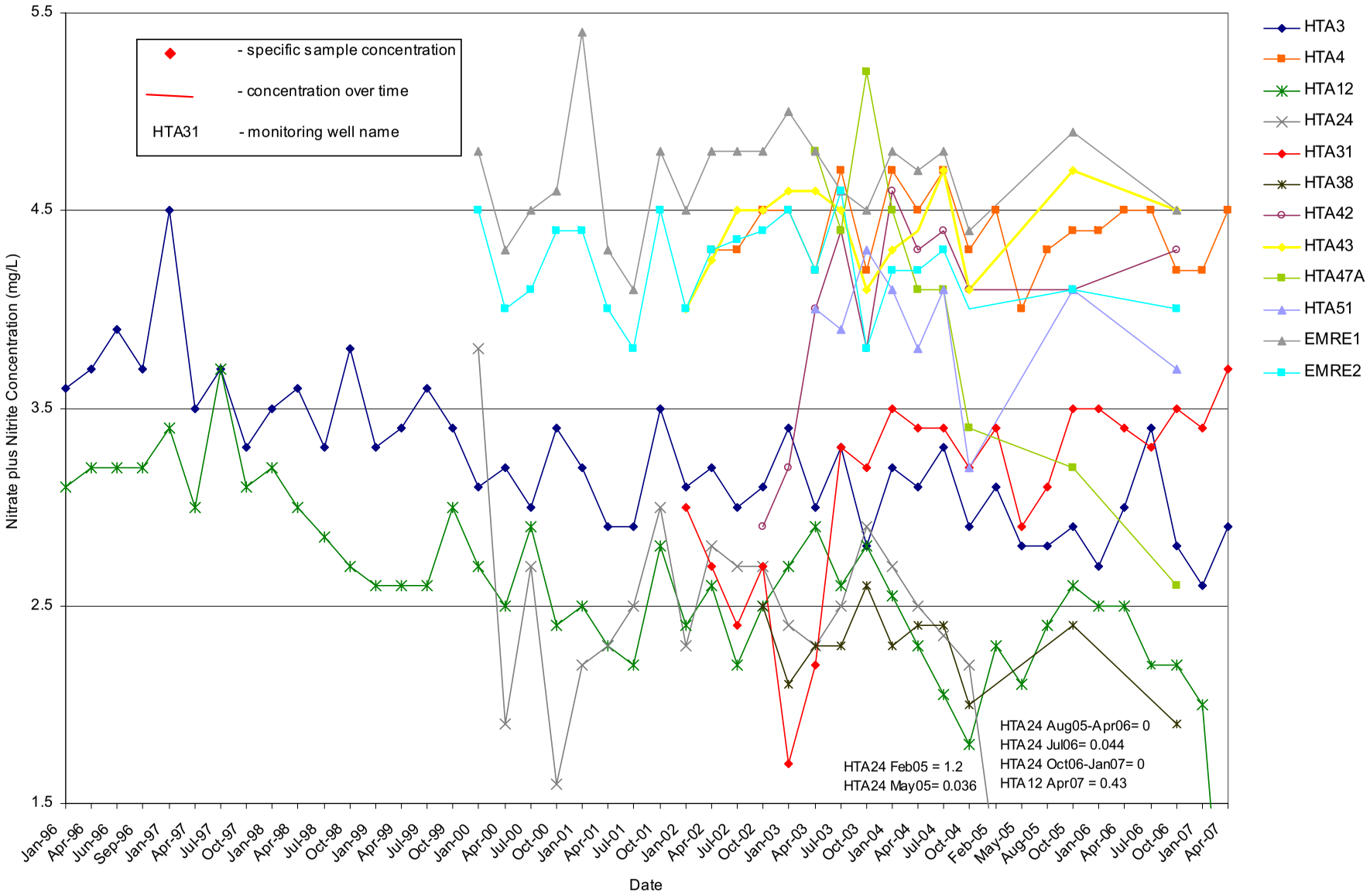


Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

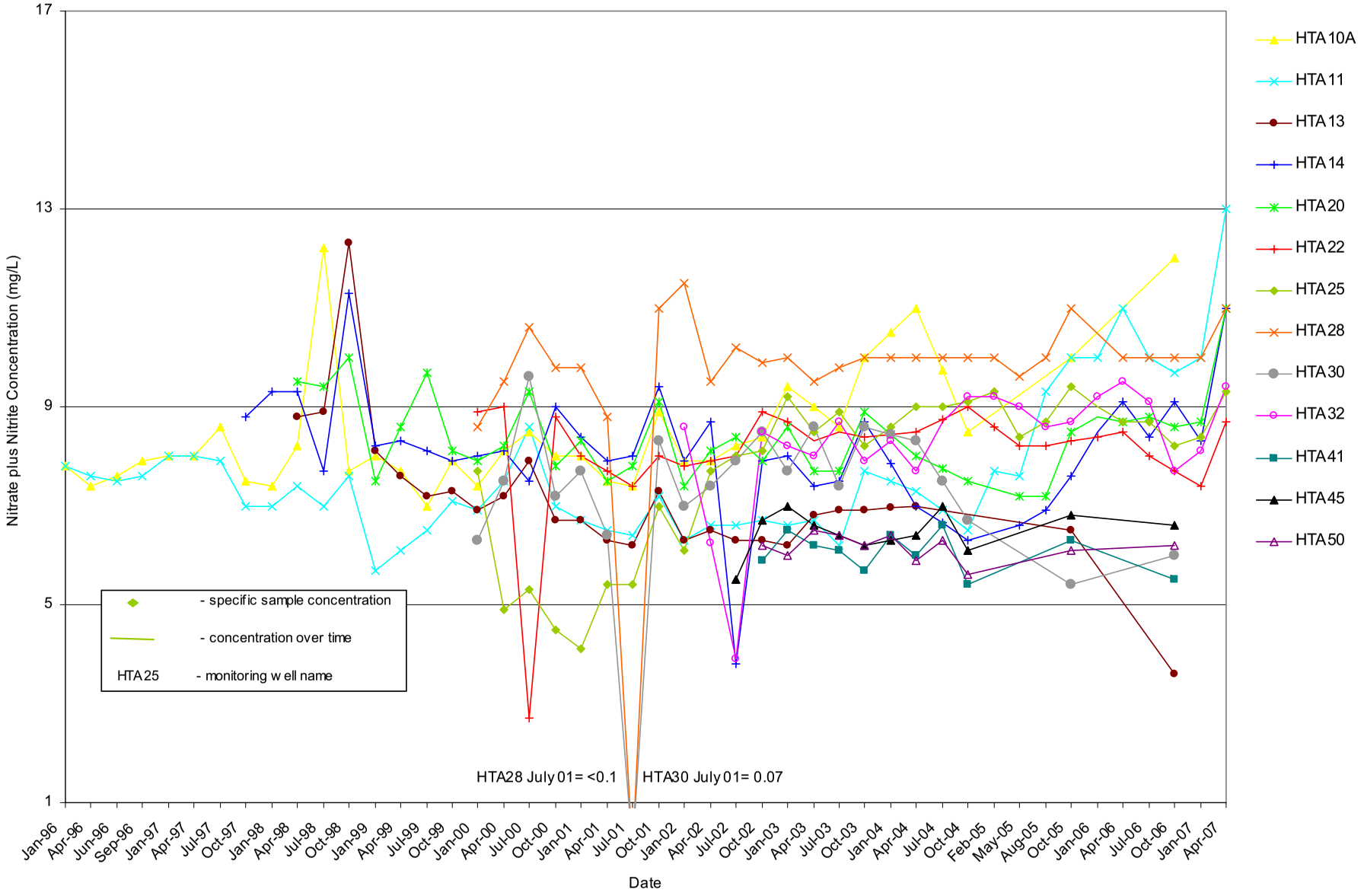


Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

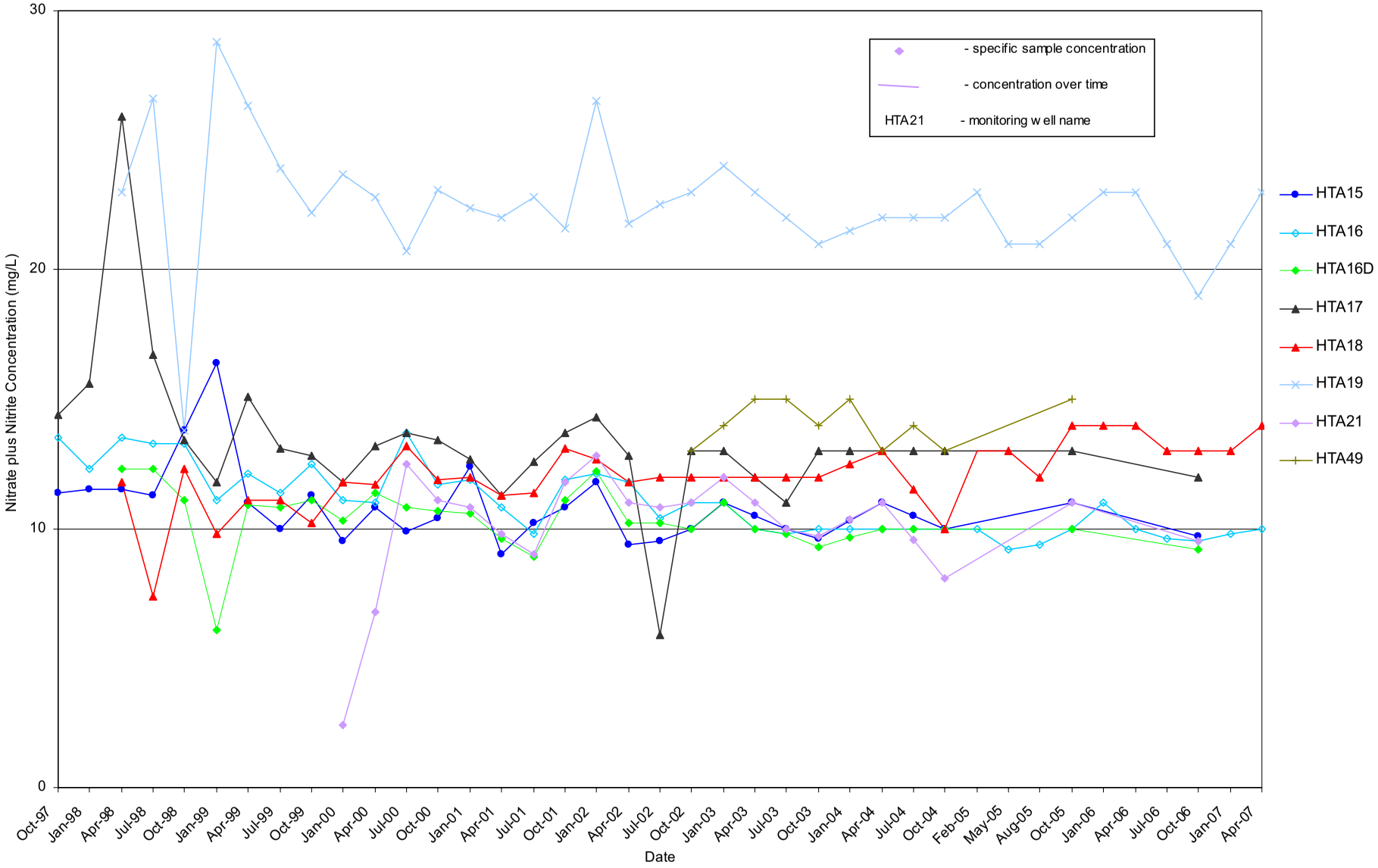


Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

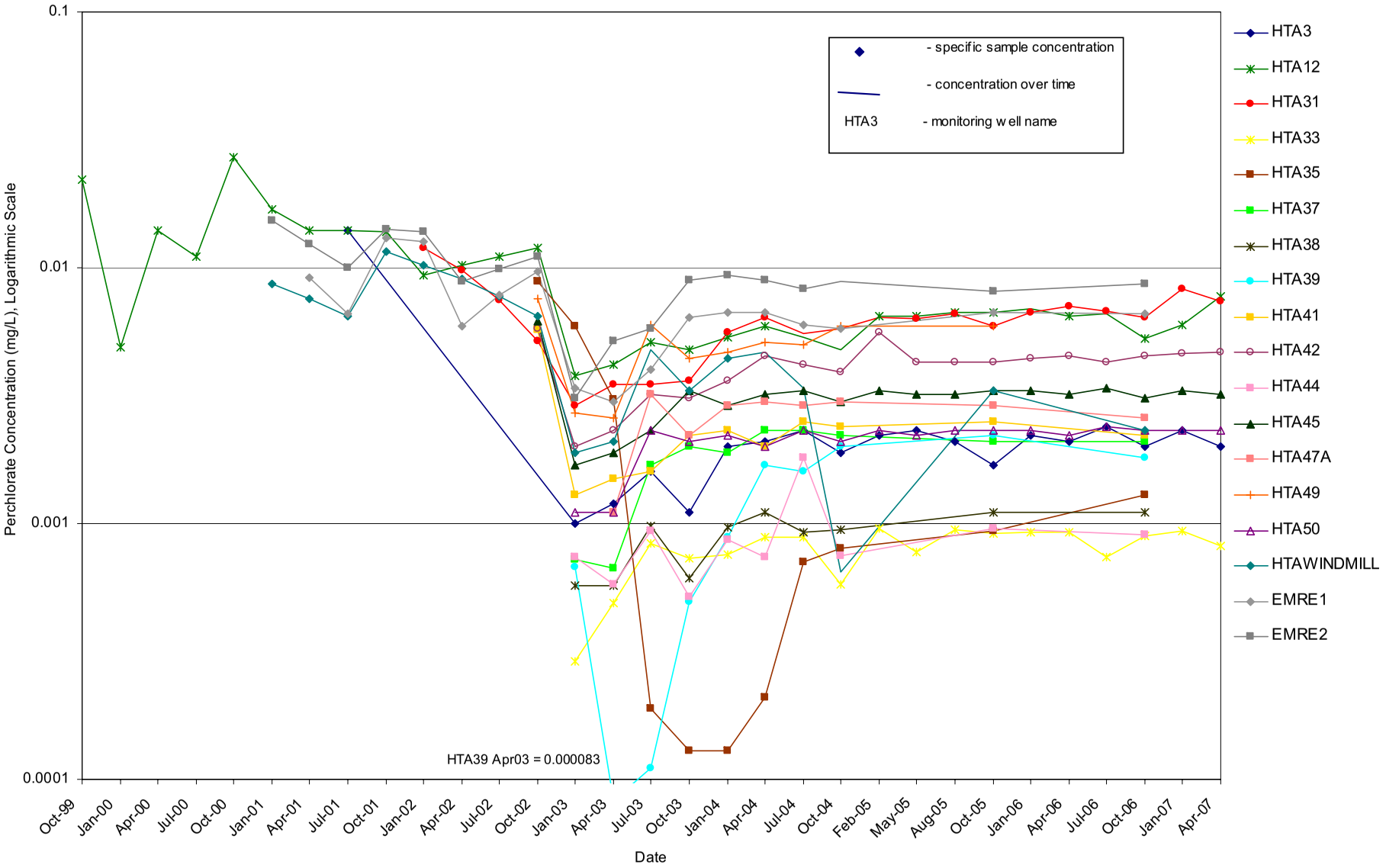


Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

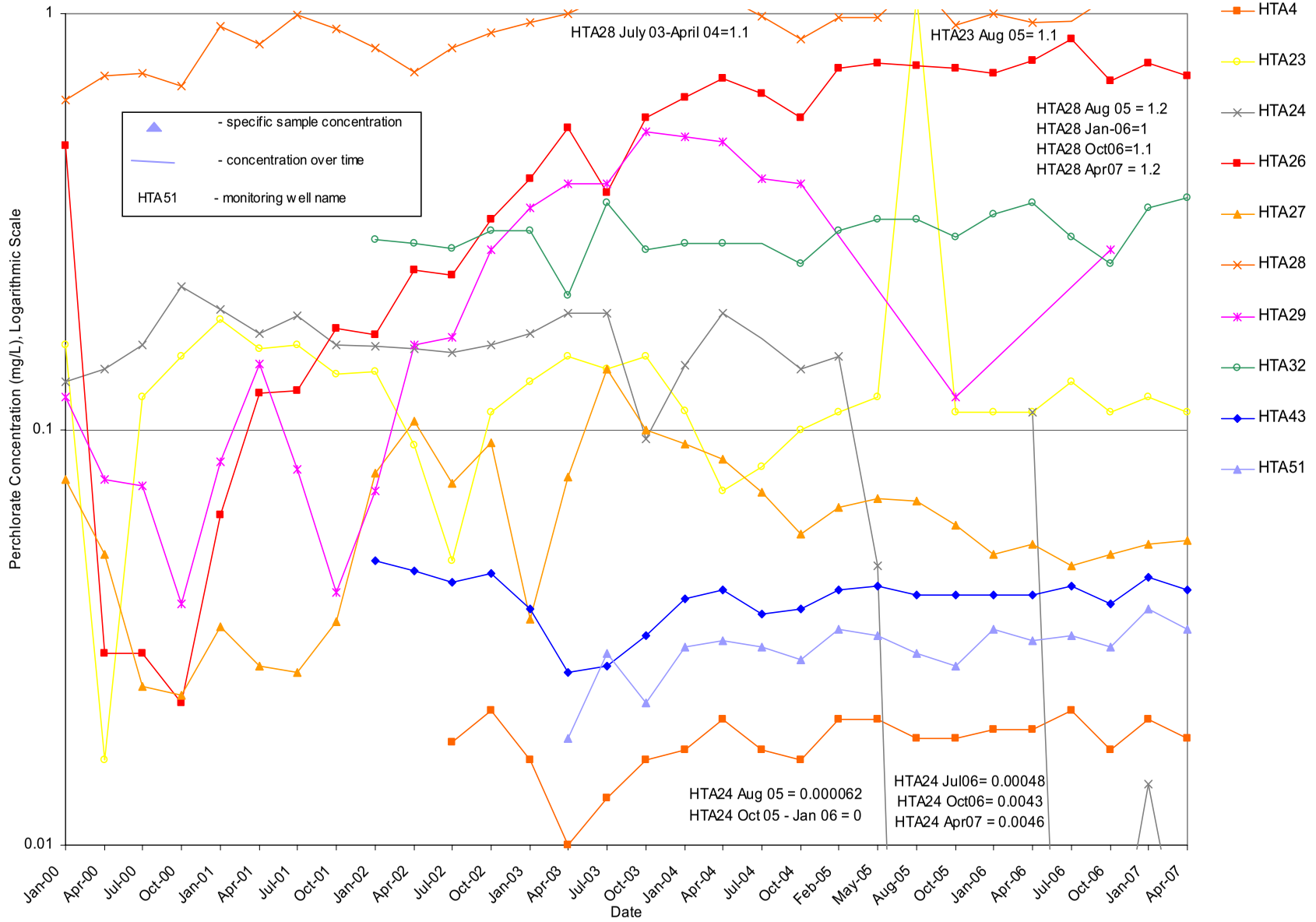


Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

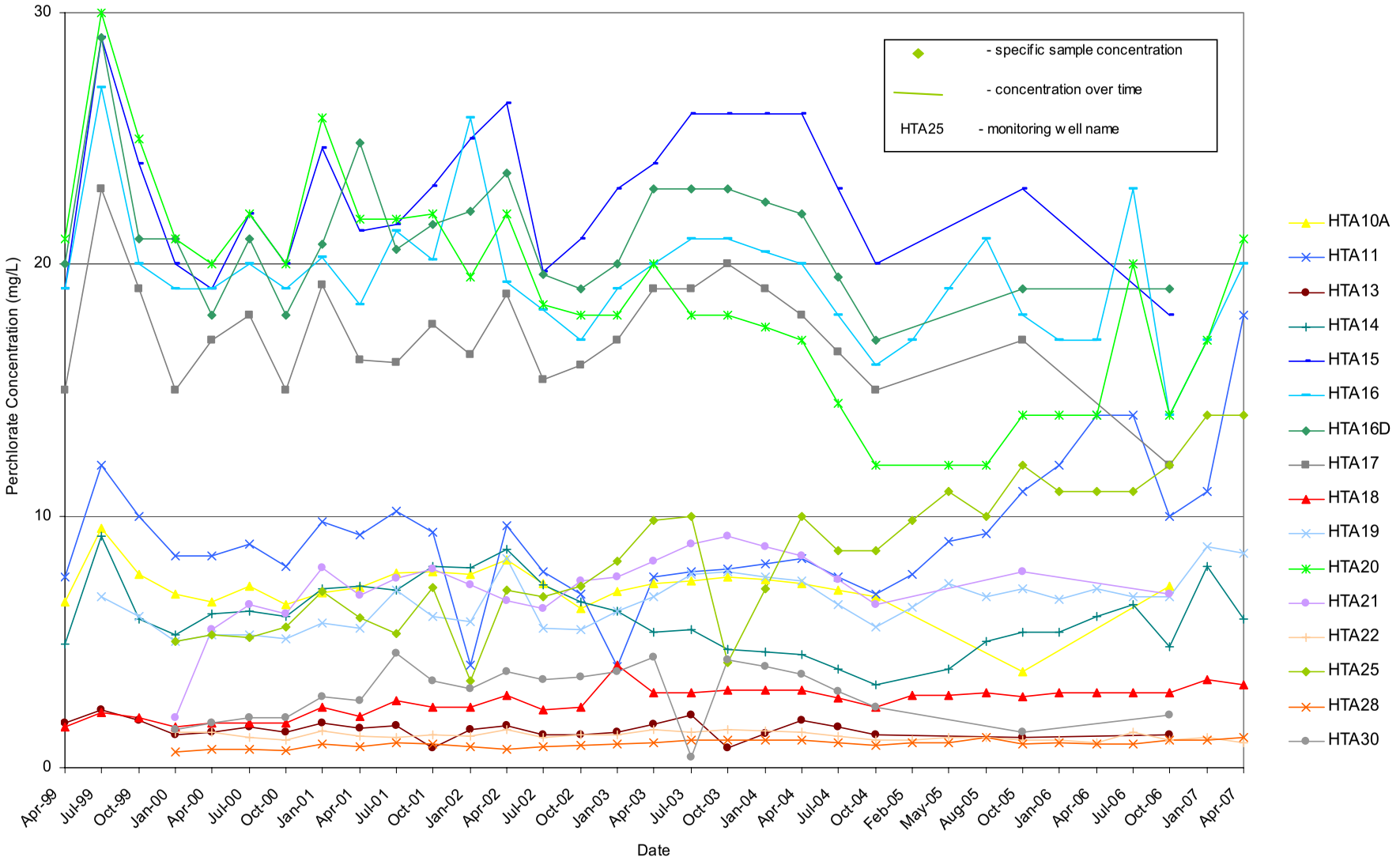


Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to April 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected April 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **NR**, analysis not requested; **ND**, not detected; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit, **COL**, more than 40% RPD between primary and confirmation detector results]

Sample ID:	HTA3		HTA4		HTA11		Field Duplicate HTA11-1		HTA12	
Sample date & time:	4/11/2007	1710	4/10/2007	1155	4/10/2007	1015	4/10/2007	1025	4/9/2007	1455
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	NR		NR		96	1.0	91	1.0	ND	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.9	0.1	4.5	0.1	13 Q	0.5	13 Q	0.5	0.43	0.1
Perchlorate, SW8321A (mg/L)	0.002	0.001	0.018	0.002	18.0	1.0	18.0	1.0	0.0077	0.001

Sample ID:	HTA14		Equipment Blank HTA14-EB		HTA16		HTA18		HTA19	
Sample date & time:	4/11/2007	1315	4/11/2007	1430	4/10/2007	1225	4/10/2007	1500	4/10/2007	1355
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	38	0.4	NR		33	0.4	NR		0.21	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	11 Q	0.5	NR		10 Q	0.5	14 Q	0.5	23 Q	0.5
Perchlorate, SW8321A (mg/L)	5.9	1.0	0.000031 J	0.0002	20.0	2.0	3.3	0.4	8.5	1.0

Sample ID:	HTA20		HTA22		HTA23		HTA24		HTA25	
Sample date & time:	4/9/2007	1550	4/10/2007	1800	4/11/2007	1425	4/11/2007	1230	4/9/2007	1645
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	59	1.0	ND	0.2	ND	0.2	ND	0.2	2.3 COL	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	11 Q	0.5	8.7 Q	0.5	1.6	0.1	ND	0.1	9.3 Q	0.5
Perchlorate, SW8321A (mg/L)	21.0	2.0	1.0	0.4	0.11	0.02	0.0046 J	0.01	14.0	1.0

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected April 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **COL**, more than 40% RPD between primary and confirmation detector results; **ND,** not detected; **NR**, analysis not requested; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA26		Field Duplicate HTA26-1		HTA27		HTA28		HTA31	
Sample date & time:	4/10/2007	1030	4/10/2007	1040	4/11/2007	1155	4/10/2007	1635	4/10/2007	1805
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	1.1 COL	0.2	1.3 COL	0.2	ND	0.2	NR		NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	5.3	0.1	5.4	0.1	0.84	0.1	11 Q	0.5	3.7	0.1
Perchlorate, SW8321A (mg/L)	0.71	0.1	0.74	0.1	0.054	0.01	1.2	0.1	0.0074	0.001

Sample ID:	HTA32		HTA33		HTA34		HTA42		HTA43	
Sample date & time:	4/9/2007	1750	4/11/2007	1625	4/9/2007	1405	4/10/2007	1315	4/10/2007	1600
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Nitrate & Nitrite, MCAWW353.2 (mg/L)	9.4 Q	0.5	NR		NR		NR		NR	
Perchlorate, SW8321A (mg/L)	0.36	0.04	0.00082 J	0.001	ND	0.001	0.0047	0.001	0.041	0.004

Sample ID:	HTA45		HTA46		HTA50		HTA51		SMR1A	
Sample date & time:	4/10/2007	1705	4/10/2007	1445	4/11/2007	1010	4/11/2007	1055	4/11/2007	0900
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Perchlorate, SW8321A (mg/L)	0.0032	0.001	ND	0.001	0.0023	0.001	0.033	0.004	0.00058 J	0.001

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-3
WELL LOCATION (LONGITUDE)	106° 30' 35"
WELL LOCATION (LATITUDE)	32° 29' 11"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	5 / 23 / 84
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,192 feet above MSL
ELEV BOTTOM OF WELL CASING	5,195 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,247 & 5,237 feet above MSL
ELEV OF TOP OF SCREENED INT	5,297 & 5,277 feet above MSL
SURVEYED ELEV OF CASING TOP	5,356.81 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-4
WELL LOCATION (LONGITUDE)	106° 30' 18"
WELL LOCATION (LATITUDE)	32° 29' 13"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5196 feet above MSL (approximate)
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5270 feet above MSL (approximate)

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-10A	
WELL LOCATION (LONGITUDE)	106° 31' 13"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	7 / 24 / 95	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	Unknown	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Unknown	
ELEV BOTTOM OF BOREHOLE	Unknown	
ELEV BOTTOM OF WELL CASING	~5,608 feet above MSL	
ELEV BOTTOM OF SCREENED INT	~5,608 feet above MSL	
ELEV OF TOP OF SCREENED INT	~5,628 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,690.43 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-11
WELL LOCATION (LONGITUDE)	106° 31' 13"
WELL LOCATION (LATITUDE)	32° 29' 40"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 6.75" (20-119 ft); 6" (119-205.5 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,485.74 feet above MSL
ELEV BOTTOM OF WELL CASING	5,606.24 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,611.24 feet above MSL
ELEV OF TOP OF SCREENED INT	5,631.24 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.17 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-12
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 7.87" (20-100 ft); 6.75" (100-165ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,589.78 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.78 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.78 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.78 feet above MSL
SURVEYED ELEV OF CASING TOP	5,756.71 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-13
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3 ft); 9.8 " (3-60 ft); 6.12" (60-125 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,564.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,570.12 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,575.47 feet above MSL
ELEV OF TOP OF SCREENED INT	5,595.53 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.23 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-14
WELL LOCATION (LONGITUDE)	106° 31' 15"
WELL LOCATION (LATITUDE)	32° 29' 39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 95
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,584.75 feet above MSL
ELEV BOTTOM OF WELL CASING	5,585.75 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,585.75 feet above MSL
ELEV OF TOP OF SCREENED INT	5,605.75 feet above MSL
SURVEYED ELEV OF CASING TOP	5,698.04 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-15
WELL LOCATION (LONGITUDE)	106° 31' 06"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 96
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -106 ft); 6 inches (106 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,522.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,540.92 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,545.92 feet above MSL
ELEV OF TOP OF SCREENED INT	5,565.92 feet above MSL
SURVEYED ELEV OF CASING TOP	5,645.09 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16
WELL LOCATION (LONGITUDE)	106° 31' 07"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -110 ft); 6 inches (110 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,521.18 feet above MSL
ELEV BOTTOM OF WELL CASING	5,538.18 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,543.18 feet above MSL
ELEV OF TOP OF SCREENED INT	5,563.18 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.10 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16D
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 04 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	2.5 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,332.96 feet above MSL
ELEV BOTTOM OF WELL CASING	5,478.74 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,484.01 feet above MSL
ELEV OF TOP OF SCREENED INT	5,503.90 feet above MSL
SURVEYED ELEV OF CASING TOP	5,640.13 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-17
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20ft); 7.87" (20-100 ft); 6.75" (100-165 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,521.49 feet above MSL
ELEV BOTTOM OF WELL CASING	5,531.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,536.49 feet above MSL
ELEV OF TOP OF SCREENED INT	5,556.49 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.64 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-18
WELL LOCATION (LONGITUDE)	106° 30' 56"
WELL LOCATION (LATITUDE)	32° 29' 32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	2 / 28 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,231.59 feet above MSL
ELEV BOTTOM OF WELL CASING	5,406.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,412.28 feet above MSL
ELEV OF TOP OF SCREENED INT	5,432.34 feet above MSL
SURVEYED ELEV OF CASING TOP	5,538.95 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-19
WELL LOCATION (LONGITUDE)	106° 31' 03"
WELL LOCATION (LATITUDE)	32° 29' 35"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 6 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,289.83 feet above MSL
ELEV BOTTOM OF WELL CASING	5,448.22 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,453.57 feet above MSL
ELEV OF TOP OF SCREENED INT	5,473.63 feet above MSL
SURVEYED ELEV OF CASING TOP	5,597.22 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-20
WELL LOCATION (LONGITUDE)	106° 31' 14"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 11 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-115ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,584.34 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.58 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.93 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.99 feet above MSL
SURVEYED ELEV OF CASING TOP	5,701.56 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-21
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 33"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11 / 30 / 99
DRILLING METHOD	Air rotary (0-41 ft) and air hammer (41-115 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-41 ft); 6 in (41-115 ft)
CASING MATERIAL	PVC (Schedule 40), 0.01 inch slotted PVC screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,504 feet above MSL
ELEV BOTTOM OF WELL CASING	5,509.67 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,514.52 feet above MSL
ELEV OF TOP OF SCREENED INT	5,534.22 feet above MSL
SURVEYED ELEV OF CASING TOP	5,621.79 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-22	
WELL LOCATION (LONGITUDE)	106° 31' 05"	
WELL LOCATION (LATITUDE)	32° 29' 24"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-15 ft) and air hammer (15-115 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-15 ft); 6 in (15-115 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,442 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,447.39 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,452.24 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,471.94 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,559.61 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-23	
WELL LOCATION (LONGITUDE)	106° 31' 18"	
WELL LOCATION (LATITUDE)	32° 29' 35"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-35 ft) and air hammer (35-135 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-35 ft); 6 in (35-135 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,545 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,544.87 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,549.72 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,569.42 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,682.05 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-24
WELL LOCATION (LONGITUDE)	106° 31' 11"
WELL LOCATION (LATITUDE)	32° 29' 47"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/01/99
DRILLING METHOD	Air rotary (0-34 ft) and air hammer (34-164 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-34 ft); 6 in (34-164 ft)
CASING MATERIAL	PVC (schedule 40)
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,528 feet above MSL
ELEV BOTTOM OF WELL CASING	5,528.55 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,533.40 feet above MSL
ELEV OF TOP OF SCREENED INT	5,553.10 feet above MSL
SURVEYED ELEV OF CASING TOP	5,694.50 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-25	
WELL LOCATION (LONGITUDE)	106° 31' 06"	
WELL LOCATION (LATITUDE)	32° 29' 43"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-123 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-123 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,521 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,524.02 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,528.87 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,548.57 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,646.03 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-26	
WELL LOCATION (LONGITUDE)	106° 30' 51"	
WELL LOCATION (LATITUDE)	32° 29' 40"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-203 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-203 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,331 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,331.60 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,331.60 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,351.30 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,533.95 feet above MSL	

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-27	
WELL LOCATION (LONGITUDE)	106° 30' 51"	
WELL LOCATION (LATITUDE)	32° 29' 27"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/03/99	
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-182 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-182 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,313 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,315.14 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,315.14 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,334.84 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,496.5 feet above MSL	

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-28	
WELL LOCATION (LONGITUDE)	106° 30' 46"	
WELL LOCATION (LATITUDE)	32° 29' 23"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/04/99	
DRILLING METHOD	Air rotary (0-19.5 ft), air hammer (19.5-300 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-19.5 ft); 6 in (19.5-300 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Pumped	
ELEV BOTTOM OF BOREHOLE	5,151 feet above MSL, Borehole backfilled with bentonite chip up to 5,302 feet MSL	
ELEV BOTTOM OF WELL CASING	5,306.26 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,311.11 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,330.81 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,453.96 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-29	
WELL LOCATION (LONGITUDE)	106° 31' 16"	
WELL LOCATION (LATITUDE)	32° 29' 44"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/05/99	
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-405 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-405 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Pumped	
ELEV BOTTOM OF BOREHOLE	5,318 feet above MSL, Borehole backfilled with bentonite chip up to 5,561 feet MSL	
ELEV BOTTOM OF WELL CASING	5,564.95 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,569.80 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,589.50 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,725.83 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-30
WELL LOCATION (LONGITUDE)	106° 30' 57"
WELL LOCATION (LATITUDE)	32° 29' 39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/02/99
DRILLING METHOD	Air rotary (0-38 ft) and air hammer (38-200 ft)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.88 in (0-25 ft); 5.75 in (25-182 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,368 feet above MSL
ELEV BOTTOM OF WELL CASING	5,368 feet above MSL, Casing set on base of borehole
ELEV BOTTOM OF SCREENED INT	5,372.46 feet above MSL
ELEV OF TOP OF SCREENED INT	5,392.46 feet above MSL
SURVEYED ELEV OF CASING TOP	5,570.22 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-31
WELL LOCATION (LONGITUDE)	106° 30' 21.96"
WELL LOCATION (LATITUDE)	32° 29' 2.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,161.66 feet above MSL
ELEV BOTTOM OF WELL CASING	5,5166.66 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,166.66 feet above MSL
ELEV OF TOP OF SCREENED INT	5,186.66 feet above MSL
SURVEYED ELEV OF CASING TOP	5,254.75 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-32
WELL LOCATION (LONGITUDE)	106° 30' 26.29"
WELL LOCATION (LATITUDE)	32° 29' 23.73"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,259.77 feet above MSL
ELEV BOTTOM OF WELL CASING	5,268.77 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,268.77 feet above MSL
ELEV OF TOP OF SCREENED INT	5,288.77 feet above MSL
SURVEYED ELEV OF CASING TOP	5,346.31 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-33
WELL LOCATION (LONGITUDE)	106° 30' 54.85"
WELL LOCATION (LATITUDE)	32° 28' 48.1"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,256.81 feet above MSL
ELEV BOTTOM OF WELL CASING	5,261.81 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,261.81 feet above MSL
ELEV OF TOP OF SCREENED INT	5,281.81 feet above MSL
SURVEYED ELEV OF CASING TOP	5,371.55 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-34
WELL LOCATION (LONGITUDE)	106° 31' 27.89"
WELL LOCATION (LATITUDE)	32° 29' 43.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,690.94 feet above MSL
ELEV BOTTOM OF WELL CASING	5,691.94 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,691.94 feet above MSL
ELEV OF TOP OF SCREENED INT	5,711.94 feet above MSL
SURVEYED ELEV OF CASING TOP	5,797.72 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-35
WELL LOCATION (LONGITUDE)	106° 29' 6.03"
WELL LOCATION (LATITUDE)	32° 27' 4.28"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,454.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,459.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,459.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,479.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,621.18 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-36
WELL LOCATION (LONGITUDE)	106° 29' 44.25"
WELL LOCATION (LATITUDE)	32° 27' 2.38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,696.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,701.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,701.49 feet above MSL
ELEV OF TOP OF SCREENED INT	4,721.49 feet above MSL
SURVEYED ELEV OF CASING TOP	4,798.02 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-37
WELL LOCATION (LONGITUDE)	106° 29' 47.22"
WELL LOCATION (LATITUDE)	32° 26' 39.19"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,551.93 feet above MSL
ELEV BOTTOM OF WELL CASING	4,557.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,557.93 feet above MSL
ELEV OF TOP OF SCREENED INT	4,577.93 feet above MSL
SURVEYED ELEV OF CASING TOP	4,697.84 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-38
WELL LOCATION (LONGITUDE)	106° 30' 2.03"
WELL LOCATION (LATITUDE)	32° 26' 24.49"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,599.95 feet above MSL
ELEV BOTTOM OF WELL CASING	4,604.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,604.95 feet above MSL
ELEV OF TOP OF SCREENED INT	4,624.95 feet above MSL
SURVEYED ELEV OF CASING TOP	4,726.93 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-39
WELL LOCATION (LONGITUDE)	106° 29' 48.75"
WELL LOCATION (LATITUDE)	32° 26' 12.15"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,495.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,500.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,500.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,520.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,652.14 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-40
WELL LOCATION (LONGITUDE)	106° 29' 13.95"
WELL LOCATION (LATITUDE)	32° 26' 8.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,309.63 feet above MSL
ELEV BOTTOM OF WELL CASING	4,314.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,314.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,334.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,516.5 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-41
WELL LOCATION (LONGITUDE)	106° 28' 19.14"
WELL LOCATION (LATITUDE)	32° 27' 31.39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,377.11 feet above MSL
ELEV BOTTOM OF WELL CASING	4,377.11 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,377.11 feet above MSL
ELEV OF TOP OF SCREENED INT	4,397.11 feet above MSL
SURVEYED ELEV OF CASING TOP	4,504.63 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-42
WELL LOCATION (LONGITUDE)	106° 29' 42.66"
WELL LOCATION (LATITUDE)	32° 28' 37.01"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,854.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,856.69 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,856.69 feet above MSL
ELEV OF TOP OF SCREENED INT	4,876.69 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.95 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-43
WELL LOCATION (LONGITUDE)	106° 29' 27.85"
WELL LOCATION (LATITUDE)	32° 28' 57"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,851.87 feet above MSL
ELEV BOTTOM OF WELL CASING	4,857.87 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,857.87 feet above MSL
ELEV OF TOP OF SCREENED INT	4,877.87 feet above MSL
SURVEYED ELEV OF CASING TOP	4,959.71 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-44
WELL LOCATION (LONGITUDE)	106° 30' 2.42"
WELL LOCATION (LATITUDE)	32° 27' 44.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,794.28 feet above MSL
ELEV BOTTOM OF WELL CASING	4,799.28 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,799.28 feet above MSL
ELEV OF TOP OF SCREENED INT	4,819.28 feet above MSL
SURVEYED ELEV OF CASING TOP	4,940.26 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-45	
WELL LOCATION (LONGITUDE)	106° 28' 34.57"	
WELL LOCATION (LATITUDE)	32° 28' 23.34"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/16/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,493.73 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,498.73 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,498.73 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,518.73 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,640.84 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-46
WELL LOCATION (LONGITUDE)	106° 30' 2.51"
WELL LOCATION (LATITUDE)	32° 29' 6.27"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,834.15 feet above MSL
ELEV BOTTOM OF WELL CASING	5,014.15 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,014.15 feet above MSL
ELEV OF TOP OF SCREENED INT	5,034.15 feet above MSL
SURVEYED ELEV OF CASING TOP	5,161.62 feet above

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-47A	
WELL LOCATION (LONGITUDE)	106° 28' 1.33"	
WELL LOCATION (LATITUDE)	32° 28' 26.72"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	2/21/2003	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,310.93 feet above MSL	
ELEV BOTTOM OF WELL CASING	3,311.13 feet above MSL	
ELEV BOTTOM OF SCREENED INT	3,311.13 feet above MSL	
ELEV OF TOP OF SCREENED INT	3,331.13 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,494.93 feet above MSL	

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-48
WELL LOCATION (LONGITUDE)	106° 28' 56.57"
WELL LOCATION (LATITUDE)	32° 25' 37.51"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,242.41 feet above MSL
ELEV BOTTOM OF WELL CASING	4,247.41 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,247.41 feet above MSL
ELEV OF TOP OF SCREENED INT	4,267.41 feet above MSL
SURVEYED ELEV OF CASING TOP	4,409.63 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-49
WELL LOCATION (LONGITUDE)	106° 29' 9.64"
WELL LOCATION (LATITUDE)	32° 25' 7.67"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/12/2001
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	3,991.85 feet above MSL
ELEV BOTTOM OF WELL CASING	3,992.85 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,992.85 feet above MSL
ELEV OF TOP OF SCREENED INT	4,022.85 feet above MSL
SURVEYED ELEV OF CASING TOP	4,414.13 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-50
WELL LOCATION (LONGITUDE)	106° 27' 31.4"
WELL LOCATION (LATITUDE)	32° 28' 33.32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/13/2002
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Bailed
ELEV BOTTOM OF BOREHOLE	3,846.45 feet above MSL
ELEV BOTTOM OF WELL CASING	3,850.05 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,850.05 feet above MSL
ELEV OF TOP OF SCREENED INT	3,880.05 feet above MSL
SURVEYED ELEV OF CASING TOP	4,368.24 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-51
WELL LOCATION (LONGITUDE)	106° 29' 1.41"
WELL LOCATION (LATITUDE)	32° 29' 0.61"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/24/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,692.23 feet above MSL
ELEV BOTTOM OF WELL CASING	4,692.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,692.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,712.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,837.23 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 1
WELL LOCATION (LONGITUDE)	106° 30' 17"
WELL LOCATION (LATITUDE)	32° 28' 4"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/3/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,859.16 feet above MSL
ELEV BOTTOM OF WELL CASING	4,863.16 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,868.16 feet above MSL
ELEV OF TOP OF SCREENED INT	4,888.16 feet above MSL
SURVEYED ELEV OF CASING TOP	5,045.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 2
WELL LOCATION (LONGITUDE)	106° 30' 9"
WELL LOCATION (LATITUDE)	32° 28' 0"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/03/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,890.99 feet above MSL
ELEV BOTTOM OF WELL CASING	4,893.99 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,898.99 feet above MSL
ELEV OF TOP OF SCREENED INT	4,917.99 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.37 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-WINDMILL
WELL LOCATION (LONGITUDE)	106° 50' 52"
WELL LOCATION (LATITUDE)	32° 28' 24"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unknown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	BONNEY SPRING MINE WINDMILL
WELL LOCATION (LONGITUDE)	106° 29' 11"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	4,978 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5,041 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR1A
WELL LOCATION (LONGITUDE)	106° 26' 32"
WELL LOCATION (LATITUDE)	32° 29' 02"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unkown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR2
WELL LOCATION (LONGITUDE)	106° 26' 44"
WELL LOCATION (LATITUDE)	32° 28' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	September 1960
DRILLING METHOD	Cable tool
INNER CASING DIAMETER	8 inches to 608 feet, 6 inches to 747 feet
BOREHOLE DIAMETER	10 inches to 612 feet, 8 inches to 747 feet
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,440.71 feet above MSL
ELEV BOTTOM OF WELL CASING	3,449.71 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,196.71 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR3
WELL LOCATION (LONGITUDE)	106° 25' 11"
WELL LOCATION (LATITUDE)	32° 31' 04"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	January 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches to 1,000 feet
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,170.73 feet above MSL
ELEV BOTTOM OF WELL CASING	3,180.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,180.73 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR4
WELL LOCATION (LONGITUDE)	106° 27' 13"
WELL LOCATION (LATITUDE)	32° 27' 35"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	December 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	12 1/4 inches to 450 feet, 7 7/8 inches to total
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,145.83 feet above MSL
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,161.83 feet above MSL

APPENDIX I

Analytical Results from Severn Trent Services Laboratory for
Ground-Water Samples Collected April 9, 10, and 11, 2007

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

White Sands HTA
SDG: HTA-24
Lot #s: D7D130307

Richard Daddow

U.S. Geological Survey

STL DENVER

Mary Dawson
Project Manager

May 4, 2007

Case Narrative
HTA-24

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Sample Receiving

Thirty samples were received under chain of custody on April 13, 2007 and logged under lot D7D130307. This lot is reported here under SDG HTA-24.

Samples logged under lot D7D130307 were received at temperatures of 1.6°C, 2.4°C, 4.4°C, 3.1°C, 3.8°C, and 2.6°C.

Please note the one liter amber sample bottle and the 500 mL amber sample bottle for sample HTA14-EB were received at the laboratory broken. The Nitrate-nitrite and the 8330 explosives analyses were not logged for that sample. The client was notified via email April 16, 2007.

LC/MS – Perchlorate, SW846 8321A

Samples D7D130307-001 through 030 were analyzed at a dilution due to high concentrations of target analytes. The reporting limits have been adjusted accordingly.

The MS/MSD associated with batch 7116133 was performed on sample D7D130307-005 and was in control.

The MS/MSD associated with batch 7116135 was performed on sample D7D130307-021 and was in control.

HPLC – Explosives, SW846 8330

Samples D7D130307-002, 007, 008, 009, and 010 were analyzed at a dilution due to high concentrations of target compounds in the samples. The reporting limits have been adjusted accordingly. Due to the dilutions made, the surrogate recovery for samples - 007, 008, and 009 could not be calculated. The extracts were diluted beyond the ability to quantitate a recovery.

The surrogate recovery of 1,2-Dinotrobenzene was outside the established QC control limits in samples D7D130307-3 and 023. Matrix interference is evident. The laboratory noted that both chromatographs show large, non-target peaks interfering with the recovery and quantitation of the surrogate.

The RPD between the primary and confirmation columns exceeded the 40% for RDX in samples D7D130307-005, 006, and 012. The lower of the two results is reported. The results in the analytical report have been flagged "COL".

The MS/MSD associated with batch 7105026 was performed on sample D7D130307-005 and was not in control. Recoveries of 1,3-Dinotrobenzene, 2,4-Dinitrotoluene, and RDX were outside the established control limits. Matrix interference is evident. All other QC was in control, therefore; the laboratory took no further corrective action.

General Chemistry, EPA 353.2

Samples D7D130307-002, 007 through 010, 012, 013, 015, 016, 017, and 018 were analyzed at a dilution for nitrate+nitrite due to high analyte levels. The associated sample data are flagged "Q" and the reporting limits are adjusted accordingly.

The method 353.2 MS/MSD analysis was performed on sample D7D130307-005 and was in control for nitrate+nitrite. Please note this is an estimated result as the concentration exceeds the calibration range.

All other MS/MSD analyses were performed on samples from other clients and/or lots and were in control.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of regent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried throughout he entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative to the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low level standards in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, ie., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
a	Spiked analyte recovery is outside control limits.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
DIL	The concentration is estimated or not reported due to dilution.
E	Estimated result. Result concentrations exceeds the calibration range.
G	Inorganics: Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
ND	The analyte was not detected at the MDL concentration and with a measurable degree of confidence can be said not to be present at or above the RL concentration.
p	Relative percent difference (RPD) is outside stated control limits.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
V	General Chemistry: Elevated reporting limit due to limited sample volume.
Wa	Post digestion spike recovery fell between 40-85% due to matrix interference.
Wb	Post digestion spike recovery fell between 115-150% due to matrix interference.
I	Percent recovery is estimated since the results exceeded the calibration range.
T1	A tentatively identified compound that did not generate a spectral match of 80% or greater. Typically called "unknown"
T2	A tentatively identified compound with a spectral match of 80% or better
T3	A tentatively identified compound that was calibrated for by the lab, but not on the client target analyte list.
IC	Diluted due to high inorganic chloride.

EXECUTIVE SUMMARY - Detection Highlights

HTA-24 : D7D130307

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA27 04/11/07 11:55 001				
Perchlorate	54	10	ug/L	SW846 8321A
Nitrate-Nitrite	0.84	0.10	mg/L	MCAWW 353.2
HTA14 04/11/07 13:15 002				
RDX	38	0.40	ug/L	SW846 8330
Perchlorate	5900	1000	ug/L	SW846 8321A
Nitrate-Nitrite	11 Q	0.50	mg/L	MCAWW 353.2
HTA23 04/11/07 14:25 003				
Perchlorate	110	20	ug/L	SW846 8321A
Nitrate-Nitrite	1.6	0.10	mg/L	MCAWW 353.2
HTA14-EB 04/11/07 14:30 004				
Perchlorate	0.031 J	0.20	ug/L	SW846 8321A
HTA26 04/10/07 10:30 005				
RDX	1.1 COL	0.20	ug/L	SW846 8330
Perchlorate	710	100	ug/L	SW846 8321A
Nitrate-Nitrite	5.3	0.10	mg/L	MCAWW 353.2
HTA26-1 04/10/07 10:40 006				
RDX	1.3 COL	0.20	ug/L	SW846 8330
Perchlorate	740	100	ug/L	SW846 8321A
Nitrate-Nitrite	5.4	0.10	mg/L	MCAWW 353.2
HTA20 04/09/07 15:50 007				
RDX	59	1.0	ug/L	SW846 8330
Perchlorate	21000	2000	ug/L	SW846 8321A
Nitrate-Nitrite	11 Q	0.50	mg/L	MCAWW 353.2
HTA11 04/10/07 10:15 008				
RDX	96	1.0	ug/L	SW846 8330
Perchlorate	18000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-24 : D7D130307

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA11-1 04/10/07 10:25 009				
RDX	91	1.0	ug/L	SW846 8330
Perchlorate	18000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
HTA16 04/10/07 12:25 010				
RDX	33	0.40	ug/L	SW846 8330
Perchlorate	20000	2000	ug/L	SW846 8321A
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
HTA12 04/09/07 14:55 011				
Perchlorate	7.7	1.0	ug/L	SW846 8321A
Nitrate-Nitrite	0.43	0.10	mg/L	MCAWW 353.2
HTA25 04/09/07 16:45 012				
RDX	2.3 COL	0.20	ug/L	SW846 8330
Perchlorate	14000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	9.3 Q	0.50	mg/L	MCAWW 353.2
HTA32 04/09/07 17:50 013				
Perchlorate	360	40	ug/L	SW846 8321A
Nitrate-Nitrite	9.4 Q	0.50	mg/L	MCAWW 353.2
HTA24 04/11/07 12:30 014				
Perchlorate	4.6 J	10	ug/L	SW846 8321A
HTA19 04/10/07 13:55 015				
RDX	0.21	0.20	ug/L	SW846 8330
Perchlorate	8500	1000	ug/L	SW846 8321A
Nitrate-Nitrite	23 Q	0.50	mg/L	MCAWW 353.2
HTA22 04/10/07 18:00 016				
Perchlorate	1000	400	ug/L	SW846 8321A
Nitrate-Nitrite	8.7 Q	0.50	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-24 : D7D130307

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA18 04/10/07 15:00 017				
Perchlorate	3300	400	ug/L	SW846 8321A
Nitrate-Nitrite	14 Q	0.50	mg/L	MCAWW 353.2
HTA28 04/10/07 16:35 018				
Perchlorate	1200	100	ug/L	SW846 8321A
Nitrate-Nitrite	11 Q	0.50	mg/L	MCAWW 353.2
HTA3 04/11/07 17:10 019				
Perchlorate	2.0	1.0	ug/L	SW846 8321A
Nitrate-Nitrite	2.9	0.10	mg/L	MCAWW 353.2
HTA4 04/10/07 11:55 021				
Perchlorate	18	2.0	ug/L	SW846 8321A
Nitrate-Nitrite	4.5	0.10	mg/L	MCAWW 353.2
HTA42 04/10/07 13:15 022				
Perchlorate	4.7	1.0	ug/L	SW846 8321A
HTA43 04/10/07 16:00 024				
Perchlorate	41	4.0	ug/L	SW846 8321A
HTA45 04/10/07 17:05 025				
Perchlorate	3.2	1.0	ug/L	SW846 8321A
HTA31 04/10/07 18:05 026				
Perchlorate	7.4	1.0	ug/L	SW846 8321A
Nitrate-Nitrite	3.7	0.10	mg/L	MCAWW 353.2
SMR1A 04/11/07 09:00 027				
Perchlorate	0.58 J	1.0	ug/L	SW846 8321A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-24 : D7D130307

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA50 04/11/07 10:10 028				
Perchlorate	2.3	1.0	ug/L	SW846 8321A
HTA51 04/11/07 10:55 029				
Perchlorate	33	4.0	ug/L	SW846 8321A
HTA33 04/11/07 16:25 030				
Perchlorate	0.82 J	1.0	ug/L	SW846 8321A

METHODS SUMMARY

HTA-24

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
LCMS by 8321A	SW846 8321A	SW846 8321A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330	SW846 3535

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

HTA-24

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 353.2	Roxanne K. Sullivan	001200
SW846 8321A	Andrew Meyer	003649
SW846 8330	Carrie Lahr	008835

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

HTA-24 : D7D130307

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JTW78	001	HTA27	04/11/07	11:55
JTW8C	002	HTA14	04/11/07	13:15
JTW8D	003	HTA23	04/11/07	14:25
JTW8F	004	HTA14-EB	04/11/07	14:30
JTW8P	005	HTA26	04/10/07	10:30
JTW8Q	006	HTA26-1	04/10/07	10:40
JTW8T	007	HTA20	04/09/07	15:50
JTW8W	008	HTA11	04/10/07	10:15
JTW8X	009	HTA11-1	04/10/07	10:25
JTW82	010	HTA16	04/10/07	12:25
JTW84	011	HTA12	04/09/07	14:55
JTW87	012	HTA25	04/09/07	16:45
JTW89	013	HTA32	04/09/07	17:50
JTW9C	014	HTA24	04/11/07	12:30
JTW9G	015	HTA19	04/10/07	13:55
JTW9H	016	HTA22	04/10/07	18:00
JTW9K	017	HTA18	04/10/07	15:00
JTW93	018	HTA28	04/10/07	16:35
JTW94	019	HTA3	04/11/07	17:10
JTW95	020	HTA34	04/09/07	14:05
JTW96	021	HTA4	04/10/07	11:55
JTW99	022	HTA42	04/10/07	13:15
JTXAA	023	HTA46	04/10/07	14:45
JTXAC	024	HTA43	04/10/07	16:00
JTXAD	025	HTA45	04/10/07	17:05
JTXAE	026	HTA31	04/10/07	18:05
JTXAF	027	SMR1A	04/11/07	09:00
JTXAH	028	HTA50	04/11/07	10:10
JTXAJ	029	HTA51	04/11/07	10:55
JTXAN	030	HTA33	04/11/07	16:25

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: HTA27

HPLC

Lot-Sample #...:	D7D130307-001	**Work Order #...:**	JTW781AD	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 11:55	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	12:08		
Dilution Factor:	50				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**54**	**10**	**ug/L**	**1.4**

U.S. Geological Survey (USGS)

Client Sample ID: HTA14

HPLC

Lot-Sample #...:	D7D130307-002	**Work Order #...:**	JTW8C1AD	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 13:15	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	12:24		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5900**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA23

HPLC

Lot-Sample #...: D7D130307-003	**Work Order #...:** JTW8D1AD		**Matrix.....:** WATER	
Date Sampled...: 04/11/07 14:25	**Date Received..:** 04/13/07			
Prep Date.....: 04/26/07	**Analysis Date..:** 04/26/07			
Prep Batch #...: 7116133	**Analysis Time..:** 12:41			
Dilution Factor: 100				
	Method.....: SW846 8321A			

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**110**	**20**	**ug/L**	**2.7**

U.S. Geological Survey (USGS)

Client Sample ID: HTA14-EB

HPLC

Lot-Sample #...:	D7D130307-004	**Work Order #...:**	JTW8F1AD	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 14:30	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	12:58		
Dilution Factor:	1				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.031 J**	**0.20**	**ug/L**	**0.027**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA26

HPLC

Lot-Sample #...:	D7D130307-005	**Work Order #...:**	JTW8P1AD	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 10:30	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	13:15		
Dilution Factor:	500				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**710**	**100**	**ug/L**	**14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA26-1

HPLC

Lot-Sample #...:	D7D130307-006	**Work Order #...:**	JTW8Q1AD	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 10:40	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	14:22		
Dilution Factor:	500				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**740**	**100**	**ug/L**	**14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA20

HPLC

Lot-Sample #...:	D7D130307-007	**Work Order #...:**	JTW8T1AD	**Matrix.....:**	WATER
Date Sampled...:	04/09/07 15:50	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	14:38		
Dilution Factor:	10000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**2000**	**ug/L**	**270**

U.S. Geological Survey (USGS)

Client Sample ID: HTA11

HPLC

Lot-Sample #...: D7D130307-008	**Work Order #...:** JTW8W1AD		**Matrix.....:** WATER	
Date Sampled...: 04/10/07 10:15	**Date Received..:** 04/13/07			
Prep Date.....: 04/26/07	**Analysis Date..:** 04/26/07			
Prep Batch #...: 7116133	**Analysis Time..:** 14:55			
Dilution Factor: 5000				
	Method.....: SW846 8321A			

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA11-1

HPLC

Lot-Sample #...:	D7D130307-009	**Work Order #...:**	JTW8X1AD	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 10:25	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	15:12		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA16

HPLC

Lot-Sample #...:	D7D130307-010	**Work Order #...:**	JTW821AD	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 12:25	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	15:29		
Dilution Factor:	10000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**20000**	**2000**	**ug/L**	**270**

U.S. Geological Survey (USGS)

Client Sample ID: HTA12

HPLC

Lot-Sample #...:	D7D130307-011	**Work Order #...:**	JTW841AD	**Matrix.....:**	WATER
Date Sampled...:	04/09/07 14:55	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	15:46		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7.7**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA25

HPLC

Lot-Sample #...:	D7D130307-012	**Work Order #...:**	JTW871AD	**Matrix.....:**	WATER
Date Sampled...:	04/09/07 16:45	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	16:02		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**14000**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA32

HPLC

Lot-Sample #...:	D7D130307-013	**Work Order #...:**	JTW891AD	**Matrix.....:**	WATER
Date Sampled...:	04/09/07 17:50	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	16:36		
Dilution Factor:	200				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**360**	**40**	**ug/L**	**5.4**

U.S. Geological Survey (USGS)

Client Sample ID: HTA24

HPLC

Lot-Sample #...:	D7D130307-014	**Work Order #...:**	JTW9C1AD	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 12:30	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	16:53		
Dilution Factor:	50				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**4.6 J**	**10**	**ug/L**	**1.4**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA19

HPLC

Lot-Sample #...:	D7D130307-015	**Work Order #...:**	JTW9G1AD	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 13:55	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	17:09		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8500**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA22

HPLC

Lot-Sample #...:	D7D130307-016	**Work Order #...:**	JTW9H1AD	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 18:00	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	17:26		
Dilution Factor:	2000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1000**	**400**	**ug/L**	**54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA18

HPLC

Lot-Sample #...:	D7D130307-017	**Work Order #...:**	JTW9K1AC	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 15:00	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	17:43		
Dilution Factor:	2000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3300**	**400**	**ug/L**	**54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA28

HPLC

Lot-Sample #...:	D7D130307-018	**Work Order #...:**	JTW931AC	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 16:35	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	18:00		
Dilution Factor:	500				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1200**	**100**	**ug/L**	**14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA3

HPLC

Lot-Sample #...:	D7D130307-019	**Work Order #...:**	JTW941AC	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 17:10	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	18:16		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.0**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA34

HPLC

Lot-Sample #...: D7D130307-020	**Work Order #...:** JTW951AA		**Matrix.....:** WATER	
Date Sampled...: 04/09/07 14:05	**Date Received..:** 04/13/07			
Prep Date.....: 04/26/07	**Analysis Date..:** 04/26/07			
Prep Batch #...: 7116133	**Analysis Time..:** 18:33			
Dilution Factor: 5				
	Method.....: SW846 8321A			

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	1.0	ug/L	0.14

U.S. Geological Survey (USGS)

Client Sample ID: HTA4

HPLC

Lot-Sample #...:	D7D130307-021	**Work Order #...:**	JTW961AC	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 11:55	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	19:40		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18**	**2.0**	**ug/L**	**0.27**

U.S. Geological Survey (USGS)

Client Sample ID: HTA42

HPLC

Lot-Sample #...:	D7D130307-022	**Work Order #...:**	JTW991AA	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 13:15	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	20:30		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**4.7**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA46

HPLC

Lot-Sample #...:	D7D130307-023	**Work Order #...:**	JTXAA1AC	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 14:45	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	20:47		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	1.0	ug/L	0.14

U.S. Geological Survey (USGS)

Client Sample ID: HTA43

HPLC

Lot-Sample #...:	D7D130307-024	**Work Order #...:**	JTXAC1AA	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 16:00	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	21:21		
Dilution Factor:	20				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**41**	**4.0**	**ug/L**	**0.54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA45

HPLC

Lot-Sample #...:	D7D130307-025	**Work Order #...:**	JTXAD1AA	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 17:05	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	21:37		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3.2**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA31

HPLC

Lot-Sample #...:	D7D130307-026	**Work Order #...:**	JTXAE1AC	**Matrix.....:**	WATER
Date Sampled...:	04/10/07 18:05	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	21:54		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7.4**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...:	D7D130307-027	**Work Order #...:**	JTXAF1AA	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 09:00	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	22:11		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.58 J**	**1.0**	**ug/L**	**0.14**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA50

HPLC

Lot-Sample #...:	D7D130307-028	**Work Order #...:**	JTXAH1AA	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 10:10	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	22:27		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.3**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA51

HPLC

Lot-Sample #...:	D7D130307-029	**Work Order #...:**	JTXAJ1AA	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 10:55	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	22:44		
Dilution Factor:	20				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**33**	**4.0**	**ug/L**	**0.54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA33

HPLC

Lot-Sample #...:	D7D130307-030	**Work Order #...:**	JTXAN1AA	**Matrix.....:**	WATER
Date Sampled...:	04/11/07 16:25	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116135	**Analysis Time..:**	23:01		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.82 J**	**1.0**	**ug/L**	**0.14**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA27

HPLC

Lot-Sample #...: D7D130307-001 **Work Order #...:** JTW781AC **Matrix.....:** WATER
Date Sampled...: 04/11/07 11:55 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 10:38
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA14

HPLC

Lot-Sample #...: D7D130307-002 **Work Order #...:** JTW8C1AC **Matrix.....:** WATER
Date Sampled...: 04/11/07 13:15 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 19:04
Dilution Factor: 2
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	ND	0.40	ug/L	0.18
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**38**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA23

HPLC

Lot-Sample #...: D7D130307-003 **Work Order #...:** JTW8D1AC **Matrix.....:** WATER
Date Sampled...: 04/11/07 14:25 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 19:54
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	135 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: HTA26

HPLC

Lot-Sample #...: D7D130307-005 **Work Order #...:** JTW8P1AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:30 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 21:20
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**1.1 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA26-1

HPLC

Lot-Sample #...: D7D130307-006 **Work Order #...:** JTW8Q1AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:40 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 23:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**1.3 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	111	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA20

HPLC

Lot-Sample #...: D7D130307-007 **Work Order #...:** JTW8T1AC **Matrix.....:** WATER
Date Sampled...: 04/09/07 15:50 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 00:40
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**59**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA11

HPLC

Lot-Sample #...: D7D130307-008 **Work Order #...:** JTW8W1AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:15 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 01:30
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**96**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA11-1

HPLC

Lot-Sample #...: D7D130307-009 **Work Order #...:** JTW8X1AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:25 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 02:20
Dilution Factor: 5
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**91**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA16

HPLC

Lot-Sample #...: D7D130307-010 **Work Order #...:** JTW821AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 12:25 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 03:10
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	ND	0.40	ug/L	0.18
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**33**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA12

HPLC

Lot-Sample #...: D7D130307-011 **Work Order #...:** JTW841AC **Matrix.....:** WATER
Date Sampled...: 04/09/07 14:55 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 04:00
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA25

HPLC

Lot-Sample #...: D7D130307-012 **Work Order #...:** JTW871AC **Matrix.....:** WATER
Date Sampled...: 04/09/07 16:45 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 04:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**2.3 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	103	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA32

HPLC

Lot-Sample #...: D7D130307-013 **Work Order #...:** JTW891AC **Matrix.....:** WATER
Date Sampled...: 04/09/07 17:50 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 06:16
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA24

HPLC

Lot-Sample #...: D7D130307-014 **Work Order #...:** JTW9C1AC **Matrix.....:** WATER
Date Sampled...: 04/11/07 12:30 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 07:06
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	113	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA19

HPLC

Lot-Sample #...: D7D130307-015 **Work Order #...:** JTW9G1AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 13:55 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 07:56
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**0.21**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	96	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA22

HPLC

Lot-Sample #...: D7D130307-016 **Work Order #...:** JTW9H1AC **Matrix.....:** WATER
Date Sampled...: 04/10/07 18:00 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 08:58
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA46

HPLC

Lot-Sample #...: D7D130307-023 **Work Order #...:** JTXAA1AD **Matrix.....:** WATER
Date Sampled...: 04/10/07 14:45 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7105026 **Analysis Time..:** 09:48
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	73 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: HTA27

General Chemistry

Lot-Sample #...: D7D130307-001 **Work Order #...:** JTW78 **Matrix.....:** WATER
Date Sampled...: 04/11/07 11:55 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**0.84**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA14

General Chemistry

Lot-Sample #...: D7D130307-002 **Work Order #...:** JTW8C **Matrix.....:** WATER
Date Sampled...: 04/11/07 13:15 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**11 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 00:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA23

General Chemistry

Lot-Sample #...: D7D130307-003 **Work Order #...:** JTW8D **Matrix.....:** WATER
Date Sampled...: 04/11/07 14:25 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**1.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA26

General Chemistry

Lot-Sample #...: D7D130307-005 **Work Order #...:** JTW8P **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:30 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**5.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA26-1

General Chemistry

Lot-Sample #...: D7D130307-006 **Work Order #...:** JTW8Q **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:40 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**5.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA20

General Chemistry

Lot-Sample #...: D7D130307-007 **Work Order #...:** JTW8T **Matrix.....:** WATER
Date Sampled...: 04/09/07 15:50 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**11 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA11

General Chemistry

Lot-Sample #...: D7D130307-008 **Work Order #...:** JTW8W **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:15 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA11-1

General Chemistry

Lot-Sample #...: D7D130307-009 **Work Order #...:** JTW8X **Matrix.....:** WATER
Date Sampled...: 04/10/07 10:25 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA16

General Chemistry

Lot-Sample #...: D7D130307-010 **Work Order #...:** JTW82 **Matrix.....:** WATER
Date Sampled...: 04/10/07 12:25 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA12

General Chemistry

Lot-Sample #...: D7D130307-011 **Work Order #...:** JTW84 **Matrix.....:** WATER
Date Sampled...: 04/09/07 14:55 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**0.43**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA25

General Chemistry

Lot-Sample #...: D7D130307-012 **Work Order #...:** JTW87 **Matrix.....:** WATER
Date Sampled...: 04/09/07 16:45 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**9.3 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA32

General Chemistry

Lot-Sample #...: D7D130307-013 **Work Order #...:** JTW89 **Matrix.....:** WATER
Date Sampled...: 04/09/07 17:50 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**9.4 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA24

General Chemistry

Lot-Sample #...: D7D130307-014 **Work Order #...:** JTW9C **Matrix.....:** WATER
Date Sampled...: 04/11/07 12:30 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	04/25/07	7118119

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA19

General Chemistry

Lot-Sample #...: D7D130307-015 **Work Order #...:** JTW9G **Matrix.....:** WATER
Date Sampled...: 04/10/07 13:55 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**23 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA22

General Chemistry

Lot-Sample #...: D7D130307-016 **Work Order #...:** JTW9H **Matrix.....:** WATER
Date Sampled...: 04/10/07 18:00 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.7 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA18

General Chemistry

Lot-Sample #...: D7D130307-017 **Work Order #...:** JTW9K **Matrix.....:** WATER
Date Sampled...: 04/10/07 15:00 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**14 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA28

General Chemistry

Lot-Sample #...: D7D130307-018 **Work Order #...:** JTW93 **Matrix.....:** WATER
Date Sampled...: 04/10/07 16:35 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**11 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA3

General Chemistry

Lot-Sample #...: D7D130307-019 **Work Order #...:** JTW94 **Matrix.....:** WATER
Date Sampled...: 04/11/07 17:10 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**2.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118119**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA4

General Chemistry

Lot-Sample #...: D7D130307-021 **Work Order #...:** JTW96 **Matrix.....:** WATER
Date Sampled...: 04/10/07 11:55 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**4.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118122**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	

U.S. Geological Survey (USGS)

Client Sample ID: HTA31

General Chemistry

Lot-Sample #...: D7D130307-026 **Work Order #...:** JTXAE **Matrix.....:** WATER
Date Sampled...: 04/10/07 18:05 **Date Received..:** 04/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**3.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**04/25/07**	**7118122**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

APPENDIX II

Laboratory Quality Assurance / Quality Control Results

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:

Jamar Bynum, USGS-WRD, Hydrologic Technician May 18, 2007

Data Inventory

1.1 Sample project numbers: Severn Trent No's. D7D130307

1.2 Operable unit and site: Open Burn/Open Detonation (OB/OD) Unit, Hazardous Test Area (HTA) site

1.3 Sample collection date: April 9, 10, and 11, 2007

Sample locations (location IDs): HTA3, HTA4, HTA11, HTA12, HTA14, HTA16, HTA18 through HTA20, HTA22 through HTA28, HTA31 through HTA34, HTA42, HTA43, HTA45, HTA46, HTA50, HTA51, SMR1A,; HTA11-1 and HTA26-1 are field duplicate samples, and HTA14-EB is an equipment blank.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	**number**	**Type**	**number**
environmental	27	MS/MSD	1 pair
field duplicate	2	trip blank	0
equipment blank	1	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Name of reviewer(s) and review date: Jamar Bynum May 18, 2007

Laboratory Data Reports

2.1 Analytical Results Report--report date: May 4, 2007

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No _____

(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √ No _____

	Explosives	Metals	General Chem.	Perchlorate SW8321A
requested:	16	0	20	29
analyzed:	16	0	20	29

2.5 List cancelled analyses on cancelled-data worksheet: none

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab? _____
1.6 – 4.4 °C at Severn Trent

2.8 Additional comments:
Bottles broken and/or leaking

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table II-1), the resulting data from the April 9, 10, and 11, 2007, sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of explosives (Method SW8330), nitrate-nitrite (MCAWW353.2), and perchlorate, (SW8321A).

Table II-1. Data validation worksheet table for April 9, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

	Analyte and Method		
Data Validation Parameters	**Explosives SW8330**	**Nitrate-Nitrite MCAWW353.2**	**Perchlorate SW8321A**
Holding times **Met**	7 days to extract, 40-days from extraction to analysis ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	%R varies for surrogates ☐ Yes ☑ No, see notes	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes	Acceptable RPD ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	Not Applicable ☐ Yes ☐ No, see notes	Not Applicable ☐ Yes ☐ No, see notes	< Reporting Limit ☑ Yes ☐ No, see notes
Lab Control Samples **Met**	%R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within acceptable limits ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	< RL except for common lab contaminants, then < 5 x RL ☑ Yes ☐ No, see notes	< 2 x RL ☑ Yes ☐ No, see notes	Below RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	Met various %R and RPD requirements ☐ Yes ☑ No, see notes	Met various %R and RPD requirements ☑ Yes ☐ No, see notes	Met %R and RPD requirements ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	None.	Samples from wells HTA11, HTA14, HTA16, HTA18, HTA19, HTA20, HTA22, HTA25, HTA28, and HTA32 had elevated reporting limits due to high analyte levels.	None.

Table II-2. Data validation worksheet table for April 9, 10, and 11, 2007, sampling round at HTA- notes.

Analyte and Method:	Notes of Data Validation Parameters:
Explosives SW8330	-Surrogate spikes for HTA11 and HTA20 were not calculated due to dilution of the sample or the presence of large, interfering analyte concentrations. -Surrogate spikes for HTA23 and HTA46 were outside of stated control limits. -Percent recovered for matrix spike samples were outside stated control limits.
Nitrate-Nitrite MCAWW353.2	-none
Perchlorate SW8321A	-none

Appendix A -- Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality-control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-data reports prepared by the reporting laboratory to: (1) check that the laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994b, USEPA contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05-01, Document number PB94-963502, 42 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

COPY FOR YOUR INFORMATION

Laboratory SDG No: HTA -24

CONTRACT LABORATORY DATA-REVIEW WORKSHEET

1.0 GENERAL INFORMATION Laboratory SDG Number: HTA-24

Data reviewer: Richard Radóow Review date: 5/7/07

Office, Project, & Account #: New Mexico White Sands HTA 8636-9KY11

Lots in SDG: 070130307

2.0 DATA DELIVERABLES

Date of Lab analytical report: 5/4/07 Number of copies: bound 1 unbound 1

No. of CD copies of raw-data report: 1 Remarks:

Raw-data report reviewed? Yes ___ No X Electronic data files on CD? Yes X No ___

EDD file format: QWDATA X STL QUA08 X ERPIMS ___ Other ___

Date rec'd data deliverables: 5/7/07 Date sent deliverables to USGS office 5/7/07

Data deliverables sent to USGS Office by FedEx: X or by regular mail: ___

3.0 INVOICE STATUS FOR SDG: OK Invoice copy attached X

4.0 SAMPLE INFORMATION *(Page #'s listed in this worksheet refer to lab analytical report)*

Sample collection date(s): 4/9-4/07 Sample matrix: water

No. of sample types in lot: Environmental 29 Trip blank ___ Equip. blank 1

MS/MSD 2 Other:

Date samples received at laboratory: 4/13/07

4.1 Were accelerated turn-around times (TATs) requested for analyses? Yes ___ No X

If yes, list TAT period and if completed:

4.2 Were analyses on chain-of-custody (COC) form performed by lab? YES ___ NO X

If no, list missing or cancelled analyses and reason for non-performance: Method 353.2 - Nitrate + nitrite and 8330 explosives analyses not performed - contd Section 4.8

4.3 Were the samples properly preserved, labeled, no lab log-in problems, and(or) at appropriate temperature (<6 deg. C) upon receipt by the laboratory: Yes ___ No X

If no, list sample/lab IDs and associated problems or reference lab report case narrative:

See case narrative (#2) and section 4.2 of the worksheet

Laboratory SDG No: HTA-24

4.4 Were preparation (extraction) and(or) analysis holding times met? Yes X No ___

If **no**, list analytical methods and sample/lab IDs for samples that exceeded holding-time limits:

4.5 Did surrogate recoveries meet QC acceptance criteria? Yes ___ No X NA ___

If **no**, list methods, surrogates, associated sample/lab IDs, lab report page #s:

8330 1 surrogate (sample - 003, HTA23) p. 45

4.6 Were dilution factors greater than 1 for ***organic*** analyses? Yes X No ___ NA ___

If **yes**, list analytical methods and reason for raised dilution factors:

high-analyte levels X matrix interferences ___ other ___

8330 explosives

4.7 Were dilution factors greater than 1 for **inorganic** analyses? Yes X No ___ NA ___

If **yes**, list analytical methods and reason for raised dilution factors:

high-analyte levels X matrix interferences ___ other ___

8321A Perchlorate; 353.2 NO_3 + NO_2

4.8 Additional comments about sample analyses:

Continuation of section 4.2: ~~because~~ for sample HTA14-BEB (-004) because one 500-ml amber bottle recvd broken at laboratory (see case narrative - p.2)

Laboratory SDG No: HTA-24

5.0 QUALITY CONTROL (QC) ANALYSES and RESULTS

5.1 Were any target analytes detected in the **Laboratory Method Blanks**? Yes ____ No (X)

If **yes**, list method, analytes, prep batch #, report page #s,: _____

5.2 Did lab control samples (LCS/LSCD) meet percent recoveries (%R) criteria? Yes X No ____

If **no**, list method, analytes, LCS/LCSD, prep batch #, report page #s, _____

5.3 Did the **MS/MSD** results meet %R or RPD acceptance criteria? Yes ____ No X NA ____

Note: matrix spike and matrix spike duplicate (MS/MSD) data are used to evaluate the effect of sample matrix on the analytical process and should be only used in conjunction with other available lab QC data. In some cases, MS samples not directly associated with this lot may be used by the laboratory.

If **no**, list method; analytes; MS, MSD or RPD; and lab report page #:

8330 3analytes MS/MSD (P.95) associated MS lot # yes X no ____

_____ associated MS lot # yes ____ no ____

_____ associated MS lot # yes ____ no ____

_____ associated MS lot # yes ____ no ____

No MS results reported for method(s): _____

5.4 Did the **lab-sample duplicate** results meet RPD acceptance criteria? Yes ____ No ____ NA X

If **no**, list method, analytes, prep batch #, report page #s, _____

5.5 Additional comments about QC results: _____

Laboratory SDG No: NTA-24

6.0 ANALYTICAL METHODS USED in this LABORATORY SDG NUMBER

____ VOCs by GC/MS--method 8260B/ 524.2 *[water (W) or solids (S) analysis holding-time (HT) of 14 days]*

____ Gasoline Range Organics (GRO)+BTEX-method 8015M(GRO)/ 8021 *[W and S: analysis HT 14 days]*

____ Diesel Range Organics-method 8015M-DRO *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

____ Pesticides by GC--method 8081A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

____ PCBs by GC--method 8082 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ Pesticides by GC--method 8141A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

____ Herbicides by GC--method 8151A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ SVOCs by GC/MS--method 8270C *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ Dioxins and Furans--methods 8280/ 8290 *[W and S: prep HT 30 days; analysis HT 45 days]*

____ PAHs by HPLC method 8310 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

X Explosives by HPLC method 8330 or 8321A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ Hexane extractable materials (HEM and SGT-HEM)-method 1664/ 9071B *[W/S: analysis HT 28 days]*

____ Total organic carbon (TOC) or DOC--methods 415.1 or 9060 *[W: analysis HT 28 days]*

X Perchlorate--methods 314.0 or 8321A LC/MS/MS or LC-00024 IC/MS/MS *[W: analysis HT 28 days]*

____ Metals by ICP--method 6010B or 200.7 *[W and S: analysis HT 180 days]*

____ Metals by ICP/MS--method 6020 or 200.8 *[W and S: analysis HT 180 days]*

____ Metals by GFAA methods *[W and S: analysis HT 180 days]*: _____

____ Mercury by CVAA--method 7470A (W) and 7471A (S) *[W and S: analysis HT 28 days]*

____ Inorganic anions-method 300/ 9056 *[W: analysis HT **48 hours**- NO_2, NO_3, ortho-P; HT 28 days--Br,Cl ,F, SO_4]*

____ Total dissolved solids (TDS)--method 160.1 and(or) TSS--method 160.2 *[W: analysis HT 7 days]*

____ Alkalinity--method 310.1 (Total, OH, HCO_3, and CO_3) *[W: analysis HT 14 days]*

____ Nitrogen, ammonia--method 350.1 *[W: analysis HT 28 days]*

____ Nitrogen, TKN--method 351.2 *[W: analysis HT 28 days]*

X Nitrogen, nitrate + nitrite--method 353.2 *[W: analysis HT 28 days]* NO_3 or NO_2 only *[HT **48 hours**]*

____ Nitrogen, nitrite--method 353.2 or 354.1 *[W: analysis HT **48 hours**]*

____ Phosphorus-method 365.3 and ortho P by 365.3 *[Phosphorus: W: analysis HT 28 days, ortho P **48 hours**]*

____ Phosphorus-method 365.1 and ortho P by 365.1 *[Phosphorus: W: analysis HT 28 days, ortho P **48 hours**]*

____ Cyanide, total, dissolved, or amenable--methods 9012A/ 335.4 *[W and S: analysis HT 14 days]*

____ Moisture content--methods D2216 or 160.3M

____ BOD--method 405.1 ***(HT 48 hours)*** or COD--method 410.4

____ Turbidity--method 180.1 ***(HT 48 hours)*** ; Hardness 2340B

____ Physical properties: pH--method 150.1; specific conductance--method 120.1

____ Other analyses: _____

_____

QC DATA ASSOCIATION SUMMARY

HTA-24 : D7D130307

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
002	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
003	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
004	WATER	SW846 8321A		7116133	7116067
005	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
006	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
007	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
008	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
009	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
010	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
011	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067

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QC DATA ASSOCIATION SUMMARY

HTA-24 : D7D130307

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
013	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
014	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
015	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
016	WATER	SW846 8330		7105026	7105008
	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
017	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
018	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
019	WATER	MCAWW 353.2		7118119	7118110
	WATER	SW846 8321A		7116133	7116067
020	WATER	SW846 8321A		7116133	7116067
021	WATER	MCAWW 353.2		7118122	7118112
	WATER	SW846 8321A		7116135	7116068
022	WATER	SW846 8321A		7116135	7116068
023	WATER	SW846 8330		7105026	7105008
	WATER	SW846 8321A		7116135	7116068
024	WATER	SW846 8321A		7116135	7116068

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QC DATA ASSOCIATION SUMMARY

HTA-24 : D7D130307

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
025	WATER	SW846 8321A		7116135	7116068
026	WATER	MCAWW 353.2		7118122	7118112
	WATER	SW846 8321A		7116135	7116068
027	WATER	SW846 8321A		7116135	7116068
028	WATER	SW846 8321A		7116135	7116068
029	WATER	SW846 8321A		7116135	7116068
030	WATER	SW846 8321A		7116135	7116068

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JVNJ11AA **Matrix.....:** WATER
MB Lot-Sample #: R7D260000-133

Prep Date.....: 04/26/07 **Analysis Time..:** 11:34
Analysis Date..: 04/26/07 **Prep Batch #...:** 7116133
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.20	ug/L	SW846 8321A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JVNJ31AA **Matrix.....:** WATER
MB Lot-Sample #: R7D260000-135

Prep Date.....: 04/26/07 **Analysis Time..:** 19:07
Analysis Date..: 04/26/07 **Prep Batch #...:** 7116135
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.20	ug/L	SW846 8321A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JVNJ11AC **Matrix.....:** WATER
LCS Lot-Sample#: R7D260000-133
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116133 **Analysis Time..:** 11:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**108**	**(70 - 130)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JVNJ11AC **Matrix.....:** WATER
LCS Lot-Sample#: R7D260000-133
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116133 **Analysis Time..:** 11:51
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**1.00**	**1.08**	**ug/L**	**108**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JVNJ31AC **Matrix.....:** WATER
LCS Lot-Sample#: R7D260000-135
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116135 **Analysis Time..:** 19:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**99**	**(70 - 130)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JVNJ31AC **Matrix.....:** WATER
LCS Lot-Sample#: R7D260000-135
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116135 **Analysis Time..:** 19:23
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**1.00**	**0.988**	**ug/L**	**99**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JTW8P1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7D130307-005 JTW8P1AK-MSD
Date Sampled...: 04/10/07 10:30 **Date Received..:** 04/13/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116133 **Analysis Time..:** 13:31
Dilution Factor: 500

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**107**	**(70 - 130)**			**SW846 8321A**
	101	**(70 - 130)**	**2.6**	**(0-20)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...:	HTA-24	**Work Order #...:**	JTW8P1AJ-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	D7D130307-005		JTW8P1AK-MSD		
Date Sampled...:	04/10/07 10:30	**Date Received..:**	04/13/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7116133	**Analysis Time..:**	13:31		
Dilution Factor:	500				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**710**	**500**	**1250**	**ug/L**	**107**		**SW846 8321A**
	710	**500**	**1220**	**ug/L**	**101**	**2.6**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JTW961AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D7D130307-021 JTW961AE-MSD
Date Sampled...: 04/10/07 11:55 **Date Received..:** 04/13/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116135 **Analysis Time..:** 19:57
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(70 - 130)**			**SW846 8321A**
	90	**(70 - 130)**	**3.3**	**(0-20)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JTW961AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D7D130307-021 JTW961AE-MSD
Date Sampled...: 04/10/07 11:55 **Date Received..:** 04/13/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7116135 **Analysis Time..:** 19:57
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**18**	**10.0**	**27.8**	**ug/L**	**99**		**SW846 8321A**
	18	**10.0**	**26.9**	**ug/L**	**90**	**3.3**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JT0KW1AA **Matrix.....:** WATER
MB Lot-Sample #: D7D150000-026

Prep Date.....: 04/15/07 **Analysis Time..:** 15:29
Analysis Date..: 04/26/07 **Prep Batch #...:** 7105026
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Nitrotoluene	ND	0.40	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	96	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JT0KW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7D150000-026 JT0KW1AD-LCSD
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 16:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**99**	**(75 - 115)**			**SW846 8330**
	93	**(75 - 115)**	**7.0**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**78**	**(57 - 115)**			**SW846 8330**
	73	**(57 - 115)**	**6.6**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**93**	**(78 - 115)**			**SW846 8330**
	87	**(78 - 115)**	**5.7**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(75 - 115)**			**SW846 8330**
	84	**(75 - 115)**	**6.7**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**85**	**(77 - 115)**			**SW846 8330**
	80	**(77 - 115)**	**6.6**	**(0-20)**	**SW846 8330**
HMX	**95**	**(78 - 115)**			**SW846 8330**
	92	**(78 - 115)**	**2.6**	**(0-26)**	**SW846 8330**
Nitrobenzene	**76**	**(51 - 115)**			**SW846 8330**
	72	**(51 - 115)**	**4.5**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**68**	**(35 - 115)**			**SW846 8330**
	65	**(35 - 115)**	**4.7**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**73**	**(30 - 115)**			**SW846 8330**
	74	**(30 - 115)**	**0.40**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**72**	**(40 - 115)**			**SW846 8330**
	72	**(40 - 115)**	**0.34**	**(0-44)**	**SW846 8330**
RDX	**97**	**(69 - 118)**			**SW846 8330**
	94	**(69 - 118)**	**3.7**	**(0-37)**	**SW846 8330**
Tetryl	**101**	**(69 - 127)**			**SW846 8330**
	96	**(69 - 127)**	**5.1**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**94**	**(73 - 122)**			**SW846 8330**
	89	**(73 - 122)**	**5.2**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**98**	**(73 - 116)**			**SW846 8330**
	91	**(73 - 116)**	**7.2**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	88	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JT0KW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7D150000-026 JT0KW1AD-LCSD
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 16:19
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.99**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.86**	**ug/L**	**93**	**7.0**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.56**	**ug/L**	**78**		**SW846 8330**
	2.00	**1.46**	**ug/L**	**73**	**6.6**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.85**	**ug/L**	**93**		**SW846 8330**
	2.00	**1.75**	**ug/L**	**87**	**5.7**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.80**	**ug/L**	**90**		**SW846 8330**
	2.00	**1.68**	**ug/L**	**84**	**6.7**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.71**	**ug/L**	**85**		**SW846 8330**
	2.00	**1.60**	**ug/L**	**80**	**6.6**	**SW846 8330**
HMX	**2.00**	**1.89**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.84**	**ug/L**	**92**	**2.6**	**SW846 8330**
Nitrobenzene	**2.00**	**1.51**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.44**	**ug/L**	**72**	**4.5**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.36**	**ug/L**	**68**		**SW846 8330**
	2.00	**1.30**	**ug/L**	**65**	**4.7**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.46**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.47**	**ug/L**	**74**	**0.40**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.44**	**ug/L**	**72**		**SW846 8330**
	2.00	**1.44**	**ug/L**	**72**	**0.34**	**SW846 8330**
RDX	**2.00**	**1.94**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.87**	**ug/L**	**94**	**3.7**	**SW846 8330**
Tetryl	**2.00**	**2.03**	**ug/L**	**101**		**SW846 8330**
	2.00	**1.93**	**ug/L**	**96**	**5.1**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.87**	**ug/L**	**94**		**SW846 8330**
	2.00	**1.78**	**ug/L**	**89**	**5.2**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.96**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.82**	**ug/L**	**91**	**7.2**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	88	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JTW8P1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D7D130307-005 JTW8P1AH-MSD
Date Sampled...: 04/10/07 10:30 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 22:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**94**	**(75 - 115)**			**SW846 8330**
	88	**(75 - 115)**	**6.1**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**70**	**(57 - 115)**			**SW846 8330**
	65	**(57 - 115)**	**7.5**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**84**	**(78 - 115)**			**SW846 8330**
	77 a	**(78 - 115)**	**8.9**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**80**	**(75 - 115)**			**SW846 8330**
	70 a	**(75 - 115)**	**14**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**112**	**(77 - 115)**			**SW846 8330**
	100	**(77 - 115)**	**11**	**(0-20)**	**SW846 8330**
HMX	**96**	**(78 - 115)**			**SW846 8330**
	96	**(78 - 115)**	**0.0**	**(0-26)**	**SW846 8330**
Nitrobenzene	**92**	**(51 - 115)**			**SW846 8330**
	80	**(51 - 115)**	**14**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**57**	**(35 - 115)**			**SW846 8330**
	46	**(35 - 115)**	**22**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**114**	**(30 - 115)**			**SW846 8330**
	97	**(30 - 115)**	**16**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**73**	**(40 - 115)**			**SW846 8330**
	57	**(40 - 115)**	**25**	**(0-44)**	**SW846 8330**
RDX	**304 a**	**(69 - 118)**			**SW846 8330**
	331 a	**(69 - 118)**	**6.9**	**(0-37)**	**SW846 8330**
Tetryl	**101**	**(69 - 127)**			**SW846 8330**
	97	**(69 - 127)**	**3.8**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**112**	**(73 - 122)**			**SW846 8330**
	106	**(73 - 122)**	**6.2**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**100**	**(73 - 116)**			**SW846 8330**
	94	**(73 - 116)**	**7.0**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	101	(75 - 118)
	96	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-24 **Work Order #...:** JTW8P1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D7D130307-005 JTW8P1AH-MSD
Date Sampled...: 04/10/07 10:30 **Date Received..:** 04/13/07
Prep Date.....: 04/15/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7105026 **Analysis Time..:** 22:10
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	2.00	1.87	ug/L	94		SW846 8330
	ND	1.99	1.76	ug/L	88	6.1	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	2.00	1.41	ug/L	70		SW846 8330
	ND	1.99	1.30	ug/L	65	7.5	SW846 8330
1,3-Dinitrobenzene	ND	2.00	1.68	ug/L	84		SW846 8330
	ND	1.99	1.54	ug/L	77 a	8.9	SW846 8330
2,4-Dinitrotoluene	ND	2.00	1.60	ug/L	80		SW846 8330
	ND	1.99	1.40	ug/L	70 a	14	SW846 8330
2,6-Dinitrotoluene	ND	2.00	2.24	ug/L	112		SW846 8330
	ND	1.99	2.00	ug/L	100	11	SW846 8330
HMX	ND	2.00	1.91	ug/L	96		SW846 8330
	ND	1.99	1.91	ug/L	96	0.0	SW846 8330
Nitrobenzene	ND	2.00	1.83	ug/L	92		SW846 8330
	ND	1.99	1.60	ug/L	80	14	SW846 8330
2-Nitrotoluene	ND	2.00	1.14	ug/L	57		SW846 8330
	ND	1.99	0.918	ug/L	46	22	SW846 8330
3-Nitrotoluene	ND	2.00	2.28	ug/L	114		SW846 8330
	ND	1.99	1.94	ug/L	97	16	SW846 8330
4-Nitrotoluene	ND	2.00	1.46	ug/L	73		SW846 8330
	ND	1.99	1.13	ug/L	57	25	SW846 8330
RDX	1.1	2.00	7.18	ug/L	304 a		SW846 8330
	1.1	1.99	7.70	ug/L	331 a	6.9	SW846 8330
Tetryl	ND	2.00	2.01	ug/L	101		SW846 8330
	ND	1.99	1.94	ug/L	97	3.8	SW846 8330
1,3,5-Trinitrobenzene	ND	2.00	2.24	ug/L	112		SW846 8330
	ND	1.99	2.11	ug/L	106	6.2	SW846 8330
2,4,6-Trinitrotoluene	ND	2.00	2.00	ug/L	100		SW846 8330
	ND	1.99	1.86	ug/L	94	7.0	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	101	(75 - 118)
	96	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-24 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		Work Order #: JVW8C1AA		MB Lot-Sample #:	D7D280000-119	
	ND	0.10	mg/L	MCAWW 353.2	04/25/07	7118119
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Nitrate-Nitrite		Work Order #: JVW8R1AA		MB Lot-Sample #:	D7D280000-122	
	ND	0.10	mg/L	MCAWW 353.2	04/25/07	7118122
		Dilution Factor: 1				
		Analysis Time..: 09:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-24 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:JVW8C1AC-LCS/JVW8C1AD-LCSD LCS Lot-Sample#: D7D280000-119					
	106	(90 - 112)			MCAWW 353.2	04/25/07	7118119
	105	(90 - 112)	1.1	(0-10)	MCAWW 353.2	04/25/07	7118119
		Dilution Factor: 1			Analysis Time..: 09:00		
Nitrate-Nitrite		WO#:JVW8R1AC-LCS/JVW8R1AD-LCSD LCS Lot-Sample#: D7D280000-122					
	107	(90 - 112)			MCAWW 353.2	04/25/07	7118122
	106	(90 - 112)	0.21	(0-10)	MCAWW 353.2	04/25/07	7118122
		Dilution Factor: 1			Analysis Time..: 09:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-24 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:JVW8C1AC-LCS/JVW8C1AD-LCSD				LCS Lot-Sample#: D7D280000-119		
	4.00	4.25	mg/L	106		MCAWW 353.2	04/25/07	7118119
	4.00	4.21	mg/L	105	1.1	MCAWW 353.2	04/25/07	7118119
		Dilution Factor: 1				Analysis Time..: 09:00		
Nitrate-Nitrite		WO#:JVW8R1AC-LCS/JVW8R1AD-LCSD				LCS Lot-Sample#: D7D280000-122		
	4.00	4.26	mg/L	107		MCAWW 353.2	04/25/07	7118122
	4.00	4.25	mg/L	106	0.21	MCAWW 353.2	04/25/07	7118122
		Dilution Factor: 1				Analysis Time..: 09:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-24 **Matrix.....:** WATER
Date Sampled...: 04/16/07 11:20 **Date Received..:** 04/17/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#: JTW8P1AE-MS/JTW8P1AF-MSD				MS Lot-Sample #: D7D130307-005	
	104 I	(72 - 113)			MCAWW 353.2	04/25/07	7118119
	95 I	(72 - 113)	4.1	(0-17)	MCAWW 353.2	04/25/07	7118119
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Nitrate-Nitrite		WO#: JT2XH1E3-MS/JT2XH1E4-MSD				MS Lot-Sample #: D7D170190-008	
	102	(72 - 113)			MCAWW 353.2	04/25/07	7118122
	106	(72 - 113)	3.9	(0-17)	MCAWW 353.2	04/25/07	7118122
		Dilution Factor: 1					
		Analysis Time..: 09:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-24 **Matrix.....:** WATER
Date Sampled...: 04/16/07 11:20 **Date Received..:** 04/17/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite			WO#: JTW8P1AE-MS/JTW8P1AF-MSD		MS Lot-Sample #: D7D130307-005				
	5.3	4.00	9.50 I	mg/L	104		MCAWW 353.2	04/25/07	7118119
	5.3	4.00	9.12 I	mg/L	95	4.1	MCAWW 353.2	04/25/07	7118119
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Nitrate-Nitrite			WO#: JT2XH1E3-MS/JT2XH1E4-MSD		MS Lot-Sample #: D7D170190-008				
	0.040	4.00	4.10	mg/L	102		MCAWW 353.2	04/25/07	7118122
	0.040	4.00	4.27	mg/L	106	3.9	MCAWW 353.2	04/25/07	7118122
			Dilution Factor: 1						
			Analysis Time..: 09:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

May 2007

1.6 MB JPI 4/13/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

3 OF 6

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 484770
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 858677727364
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/11/07	1155	HTA 27	GROUND WATER	4	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
"	1315	HTA 14	"	4	"	"
"	1425	HTA 23	"	4	"	"
"	1430	HTA 14-EB	ULTRA PURE WATER	4	"	EQUIPMENT BLANK

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK 4/9.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick G. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930
	Tammy Bindell	4/13/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents:
Contents Temperature:
Laboratory Project Number:

2.24 NB IR1
4/13/07
1 OF 6

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 475469
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 8586 7772 7364
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/10/07	1030	HTA 26	GROUND WATER	4	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
"	1030	HTA 26-MS	"	4	"	MATRIX SPIKE
"	1030	HTA 26-MSD	"	4	"	MATRIX SPIKE DUP.
"	1040	HTA 26-1	"	4	"	ENVIRONMENTAL SAMPLE

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK OF 4/9.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930
	[signature]	4/13/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

3.8 NB 4/13/07 IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

5 OF 6

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 484780
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 858677727364
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/9/07	1550	HTA 20	GROUND WATER	4	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
4/10/07	1015	HTA 11	"	4	"	"
"	1025	HTA 11-1	"	4	"	"
"	1225	HTA 16	"	4	"	"

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK OF 4/9.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930
	[signature]	4/13/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

May 2007

4.4 MB IR1 4/13/07

4 OF 6

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 484760
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 858677727369
Sampling Status: [Y] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/9/07	1455	HTA 12	GROUND WATER	4	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
"	1645	HTA 25	"	4	"	"
"	1750	HTA 32	"	4	"	"
4/11/07	1230	HTA 24	"	4	"	"

II-37

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK OF 4/9

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick S. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930
	[signature]	4/11/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents:
Contents Temperature:
Laboratory Project Number:

May 2007

3,1 IR1
XAB 2/13/07

2 OF 6

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
...ite Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 475479
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 858677727364
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/10/07	1355	HTA19	GROUND WATER	4	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
"	1800	HTA22	"	4	"	"
"	1500	HTA18	"	3	E353.2(NO_2+NO_3)/SW8321A PERC	"
"	1635	HTA28	"	3	"	"
4/11/07	1710	HTA3	"	3	"	"

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK OF 4/9.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick G. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930
	Mary Dawson	4/13/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

2.6 NB IR1 4/13/07

6 OF 6

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: ANDREW ROBERTSON	Seal Number: 484790
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: ANDREW ROBERTSON	Airbill Number: 8586 7772 7364
Team Leader: Fred Gebhardt	Sampling Status: [X] Done [ ] Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/9/07	1405	HTA 34	GROUND WATER	2	~~E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC),~~ and SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
4/10/07	1155	HTA4	"	~~3~~ 3	E353.2 (NO_2 + NO_3) SW8321A (PERC)	"
"	1315	HTA 42	"	2	SW8321 (PERC)	"
"	1445	HTA 46	"	3	SW8330 (EXPLOSIVES) SW8321A (PERC)	"
"	1600	HTA 43	"	2	SW8321A (PERC)	"
"	1705	HTA 45	"	2	"	"
"	1805	HTA 31	"	3	E353.2 (NO_2 + NO_3) SW8321A (PERC)	"
4/11/07	0900	SMRIA	"	2	SW8321A (PERC)	"
"	1010	HTA 50	"	2	"	"

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK OF 4/9.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
Fredrick S. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930	Severn Trent Lab 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0176 Attention: Mary Dawson	Condition of Contents
	Mary Dawson	4/13/07	0900		Contents Temperature
					Laboratory Project Number

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

6 OF 6

ject Name & Number
..hite Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 484790
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 8586 7772 7364
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
4/11/07	1055	HTA51	GROUND WATER	2	~~E353.2 (NO_2 + NO_3),~~ ~~SW8330 (explosives by HPLC),~~ ~~and~~ SW8321A (perchlorate)	ENVIRONMENTAL SAMPLE
"	1625	HTA33	"	2	"	"

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED DURING THE WEEK OF 4/9.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick G. Gebhardt	TO FEDERAL EXPRESS	4/12/07	0930
	Jason Burdell	4/13/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

STL Denver

Sample Receiving Checklist

Lot #: D7D130307 Date/Time Received: 4/13/07 0900

Company Name & Sampling Site: USGS - White Sands

OR/OD

PM to Complete This Section: *Yes* *No* *Yes* *No*

Residual chlorine check required: ❑ ❑ Quarantined : ❑ ❑

Quote #: 24783

Special Instructions:

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): _____ _____ _____ _____ _____ _____ _____ _____

Temperatures (°C): 1.6 2.4 4.1 3.1 3.8 2.6 _____ _____

N/A	*Yes*	*No*		*Initials*
❑	☑	❑	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	JB
	☑	❑	2. Chain of custody present? If no, document on CUR.	
	☑	❑	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	❑	☑	4. Multiphasic samples obvious? If yes, document on CUR.	
	☑	❑	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
❑	☑	❑	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	❑	☑	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☑	❑	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☑	❑	❑	9. Were VOA samples without headspace? If no, document on CUR.	
☑	❑	❑	10. Were VOA vials preserved? Preservative ❑HCl ❑4±2°C ❑Sodium Thiosulfate ❑ Ascorbic Acid	
	❑	☑	11. Did samples require preservation with sodium thiosulfate?	
☑	❑	❑	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☑	❑	❑	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☑	❑	❑	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	❑	☑	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	❑	☑	16. Are analyses with short holding times requested?	
	❑	☑	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D7D130307

Login Checks:

Initials MR

N/A	Yes	No		
	☑	☐	18.	Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
☐	☑	☐	19.	Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
	☑	☐	20.	Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
☐	☑	☐	21.	Were special log in instructions read and followed?
☑	☐	☐	22.	Were AFCEE metals logged for refrigerated storage?
	☑	☐	23.	Were tests logged checked against the COC? Which samples were confirmed? 1
☑	☐	☐	24.	Was a Rush form completed for quick TAT?
☑	☐	☐	25.	Was a Short Hold form completed for any short holds?
	☐	☑	26.	Is "Strict ICOC" required?
	☐	☑	27.	Were special archiving instructions indicated in the General Comments? If so, what were they?

Labeling and Storage Checks:

Initials DS

☑	☐	☐	28.	Was the subcontract COC signed and sent with samples to bottle prep?
	☑	☐	29.	Were sample labels double-checked by a second person?
☑	☐	☐	30.	Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
	☑	☐	31.	Did the sample ID, Date, and Time from label match what was logged?
☐	☐	☐	32.	Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
☐	☐	☐	33.	Were AFCEE metals stored refrigerated?
☐	☐	☐	34.	Were "Strict ICOC" copies given to satellite storage areas?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

om This portion can be removed for Recipient's records.

ite 4/12/07 FedEx Tracking Number 858677727364

ender's ame FRED GERHARDT Phone 505 ~~[illegible]~~ 9808846

Company US GEOLOGICAL SURVEY

Address 5338 MONTGOMERY RD NE STE 400 Dept./Floor/Suite/Room

y ALBUQUERQUE State NM ZIP 87109-1342

our Internal Billing Reference RL21LWW 1A

APPENDIX III

Container and Preservation Requirements

Field Data

Sample container and preservation requirements

Parameters and Methods	Bottle Size and Type	Preservatives
Explosive compounds, SW8330	32 oz. glass	None, Chilled
Nitrate plus Nitrite, MCAWW353.2	16 oz. glass	2 mL 50% Sulfuric Acid, pH<2, Chilled
Perchlorate, SW8321A	8 oz. polyethylene	None, Chilled

4/9/07 HTA

1220 USGS PERSONNEL ARRIVE AT STAGING AREA FOR HTA SITE ON WSMR.

CREW: FRED GEBHARDT & ANDREW ROBERTSON

CALIBRATION OF METERS:

pH METER: ORION 250A+ S/N 018139
pH BUFFERS: 4.01, 7.01 & 10.01
INITIAL READINGS: 4.24, 7.16, 10.43
ADJUSTED 4.01, 7.01, 10.21
SLOPE: 96.7

CONDUCTIVITY METER: ORION 130A S/N 55158
CONDUCTIVITY STANDARD 1000 µ/sm
INITIAL READING 999
ADJUSTED 1001
SLOPE 470

DO METER: YSI 550A S/N 05J1136AO
ELEVATION 5700

4/9/07 HTA

1313 ARRIVE AT WELL HTA 34. WL 43.17

TIME	VOL	TEMP	PH	COND	DO
1320	INITIAL	19.8	7.01	885	2.00
		H_2S SMELL			
1333	5	19.3	6.95	911	0.51
1344	10	19.2	6.97	917	0.94
1354	15	19.2	6.97	916	0.42
1404	20	19.3	6.97	911	0.33

ENVIRONMENTAL SAMPLE ~~TAKEN~~ HTA 34
TAKEN @ 14:05

1414 ARRIVE AT WELL HTA-12 WL 63.96

TIME	VOL	TEMP	PH	COND	DO
1422	INITIAL	19.7	19.7		
			7.04	914	2.13
1429	5	19.8	6.97	950	0.70
1436	10	19.7	6.98	950	0.70
1444	15	19.6	6.98	950	0.58
1451	20	19.6	6.99	950	0.53

1

1455 ENVIRONMENTAL SAMPLE HTA-12

4/9/07 HTA

1510 ARRIVE AT 20 WL 80.02

TIME	VOL	TEMP	pH	COND	DO
1514	INITIAL	19.6	7.21	956	3.94
1520	5	19.5	7.12	956	4.17
1528	10	19.5	7.10	956	4.19
1537	15	19.7	7.10	956	4.22
1546	20	19.6	7.10	956	4.22

1550 ENVIRONMENTAL SAMPLE HTA 20

1600 ARRIVE AT WELL HTA 25 WL 87.10

TIME	VOL	TEMP	pH	COND	DO
1607	INITIAL	19.5	7.17	977	2.72
1616	5	19.5	7.10	998	0.50
1624	10	19.4	7.17	998	0.42
1632	15	19.3	7.11	998	0.36
1644	20	19.5	7.10	998	0.59

1645 ENVIRO. SAMPLE HTA 25

4/9/07 HTA

1706 ARRIVE AT WELL 32 WL. @ 34.99

TIME	VOL	TEMP	pH	COND	DO
1712	INITIAL	19.8	7.24	862	3.54
1720	5	19.9	7.23	863	3.74
1729	10	19.9	7.23	863	3.76
1737	15	19.9	7.23	863	3.72
1748	20	19.9	7.23	863	3.74

1750 ENVIRO SAMPLE HTA 32

4/10/07 HTA

0830 USGS PERSONNEL ARRIVE AT STAGING AREA

CREW: SAME AS PREVIOUS DAY

CALIBRATION OF METERS (SAME METERS AS 4/9/07)

pH BUFFERS 4.01, 7.00, 10.01
INITIAL: 4.05 7.10 10.26
ADJ: 4.00 7.02 10.06
SLOPE: 99.0

CONDUCTIVITY
STDS - 1000 µS/cm
INITIAL - 992
FINAL - 994
SLOPE - 0.475

DO
ELEV - 5500 0.7 PPT SALINITY
89.2% SAT, 8.60 mg/L 16.8°C

4/10/07 HTA

HTA-11

0929 ARRIVE AT WELL ~~HTA~~ 11 W.L. 70.22

TIME	VOL	TEMP	pH	COND	DO
0931	INITIAL	19.9	7.01	835	5.61
0947	5	19.6	7.05	843	5.60
0956	10	19.7	7.10	833	5.70
1005	15	19.7	7.10	851	5.64
1013	20	19.7	7.09	852	5.66

1015 ENVIRO SAMPLE HTA-11

1025 DUPLICATE SAMPLE HTA-11-1

HTA-14

1055 ARRIVE @ WELL HTA-14 68.47

1111 NO H_2O DISCONNECTED MOVING ON

HTA-16

1135 ARRIVE @ WELL 16 W.L. 89.00

TIME	VOL	TEMP	pH	COND	DO.
1143	INITIAL	20.0	7.30	972	5.14
1155	5	20.0	7.26	983	5.28
1206	10	20.0	7.25	984	5.35
1215	15	19.9	7.24	984	5.33
1224	20	19.9	7.25	984	5.28

1225 COLLECTED ENVIRONMENTAL SAMPLE HTA-16

4-10-07 HTA

HTA-19

1253 ARRIVED AT WELL HTA-19 - w.l. 130.64

TIME	TEMP	pH	COND	DO	VOL
1305	20.1	7.27	985	4.71	INITIAL
1317	20.2	7.08	986	4.75	5
1329	20.2	7.08	987	4.74	10
1340	20.2	7.07	987	4.85	15
1351	20.2	7.08	988	4.83	20

1355 ENVIRONMENTAL SAMPLE HTA-19

HTA-18

1420 ARRIVED @ WELL HTA-18 w.l. - 116.11

TIME	VOL	pH	COND	DO	TEMP
1427	INITIAL	7.10	864	5.07	20.8
1435	5	7.06	870	5.51	20.4
1443	10	7.05	867	5.46	20.4
1452	15	7.06	867	5.47	20.4
1459	20	7.05	866	5.40	20.3

1500 ENVIRONMENTAL SAMPLE HTA-18

4/10/07

HTA-28

1532 ARRIVED AT HTA-28 W.L - 79.92

TIME	VOL	TEMP	pH	COND	DO
1544	INITIAL	21.1	7.08	836	4.35
1604	5	20.5	7.02	840	4.61
1617	10	20.3	7.02	840	4.67
1625	15	20.3	7.04	840	4.67
1633	20	20.3	7.01	840	4.65

1635 ENVIRONMENTAL SAMPLE HTA-28

HTA-22

1730 ARRIVED AT HTA-28 W.L. - 95.27

TIME	VOL	TEMP	pH	COND	DO
1738	INITIAL	20.0	7.04	829	3.47
1744	6	19.5	7.01	832	3.70
1749	10	19.5	6.99	832	3.82
1753	15	19.5	7.01	832	3.85
1759	20	19.5	7.01	833	3.88

4-11-07 HTA

0805 FRED GEBHARDT + ANDREW ROBERTSON ARRIVE AT HTA STAGING AREA NEED TO LOAD EQUIPMENT AND HEAD TO WELL SMRIA (PRODUCTION WELL).

0840 ARRIVE AT WELL SMRIA. MET MIGUEL (WSMR WATER)

TIME	VOL	TEMP	pH	COND	DO
0853	5	25.9	7.08	804	4.71
0855	10	26.6	7.05	803	4.93
0856	15	26.6	7.03	802	5.12
0858	20	26.7	7.02	802	5.21

0900 ENVIRONMENTAL SAMPLE SMRIA.

0900 CALIBRATED INSTRUMENTS (SAME AS 4-9-07)

pH
BUFFER - 4.01, 7.00, 10.01
INITIAL - 4.04, 7.04, 10.03
ADJ - 4.00, 7.02, 10.10
SLOPE - 98.1
T - 17.2

DO
ELEV - 5000
SALINITY - 0.7
SAT - 94.1%
8.69

CONDUCTIVITY STD - 1000 mS/cm
INITIAL 1006 "
ADJ 1000 "
CELL CONSTANT 0.472

4-11-07 HTA

0927 ARRIVE AT WELL HTA-50. WL 500.66

TIME	VOL	TEMP	pH	COND	DO
0943	INITIAL	23.0	7.27	772	4.59
	WATER BECOMING TURBID				
0950	5	25.2	7.13	772	3.73
0955	10	25.3	7.11	771	4.13
1000	15	25.4	7.10	770	4.36
	WATER CLEARED				
1005	20	25.4	7.10	769	4.49

1010 ENVIRONMENTAL SAMPLE HTA-50

~~70~~ HTA-51

1033 ARRIVE AT WELL HTA-51 WL 87.18

TIME	VOL	TEMP	pH	COND	DO
1045	INITIAL	21.4	6.94	940	4.52
1046	5	22.1	6.85	965	4.17
1048	10	22.0	6.85	965	4.16
1050	15	22.0	6.85	965	4.16
1051	20	22.0	6.91	965	4.16

1055 ENVIRONMENTAL SAMPLE HTA-51

4-11-07

HTA-27

1137 ARRIVE AT HTA-27 W.L. - 103.78

TIME	VOL	TEMP	pH	COND	DO
1139	INITIAL	20.6	7.07	710	0.56
1141	5	20.8	7.06	727	0.32
1143	10	21.0	7.06	687	0.41
1144	15	21.0	7.03	563	1.75
	~~20~~ LOWERED PUMP				
1147	20	21.2	7.04	723	0.30
1150	25	21.4	7.05	728	0.16

1155 ENVIRONMENTAL SAMPLE HTA-27

HTA-24

1212 ARRIVE AT HTA-24 W.L. 69.26

TIME	VOL	TEMP	pH	COND	DO
1217	INITIAL	20.4	7.03	913	1.07
1219	5	20.0	7.05	903	0.63
1221	10	20.2	7.06	807	1.14
	LOWERED PUMP				
	SLIGHT H_2S SMELL				
1224	15	20.2	7.05	978	0.55
1226	20	20.4	7.06	985	0.45

1230 ENVIRONMENTAL SAMPLE HTA-24

4-11-07

HTA-14

1250 ARRIVED AT HTA-14 W.L. 98.47

PULLED BLADDER PURGED AND SAMPLED 4 GALLONS

TIME	VOL	TEMP	pH	COND	DO
1304	INITIAL	20.7	7.10	774	5.22
1305	5	20.5	7.14	780	5.30
	WATER SLIGHTLY TURBID				
1306	10	20.5	7.06	763	5.42
1310	15	20.5	7.05	822	5.22
1313	20	20.5	7.04	835	5.17

1315 ENVIRONMENTAL SAMPLE HTA-14

HTA-23

1342: ARRIVED AT HTA-23 90.61

TIME	VOL	TEMP	pH	COND	DO
1349	INITIAL	20.3	7.03	721	0.80
1358	5	20.3	7.00	722	0.33
1407	10	20.3	6.99	723	0.29
1414	15	20.1	6.99	723	0.27
1422	20	20.1	7.01	723	0.27

1425 ENVIRONMENTAL SAMPLE HTA-23

4-11-07

1430 EQUIPMENT BLANK HTA-14-EB

HTA-33

1520 ARRIVED AT HTA-35 56.95

TIME	VOL	TEMP	pH	COND	DO
1520	INITIAL	20.3	6.97	856	2.30
1532	5	20.0	6.91	862	2.02
1547	10	20.0	6.91	862	1.97
1604	15	19.8	6.91	862	1.96
1620	20	19.9	6.92	862	1.92

1625 ENVIRONMENTAL SAMPLE HTA-33

HTA-3

1650 ARRIVE AT HTA-3 HELD 70.00
CUT 4.12
6320.95 GALLONS W.L 65.88

TIME	VOL	TEMP	pH	COND	DO
1700	5	20.4	6.98	804	4.84
1704	10	20.4	6.94	807	4.83
1706	15	20.4	6.96	811	4.85
1709	20	20.5	6.94	814	4.84

1710 ENVIRONMENTAL SAMPLE HTA-3

4-12-07

1055 ARRIVE AT WELL 10A W.L. 68.57 ~~68.52~~

PUMP TEST

10A

~ 5 g/MIN ON HTA-11

TIME	W.L	
1107	68.57	START
1111	68.57	
1115	68.59	
1119	68.60	
1123	68.61	
1127	68.62	
1131	68.63	
1135	68.65	
1139	68.66	
1143	68.66	✓-ED ~SLOW FLOW
1147	68.68	
1151	68.69	
1155	68.70	
1159	68.71	✓-ED FLOW ~50 MIN
1203	68.72	
1207	68.73	
1211	68.73	
1215	68.74	
1219	68.75	

HTA-11

TIME	VOL	
11:07	70.23	START
1113	74.08	
1116	~~74.59~~	
1120	75.35	
1124	76.16	
1128	~~76.84~~ 76.64	
1132	77.18	
1136	77.62	
1140	77.95	
1144	78.27	
1148	78.53	
1152	★ 78.70	
1156	78.61	
1200	78.59	
1204	78.62	
1208	78.66	
1212	78.64	
1216	78.66	
1220	78.59	

4-12-07

1400 USGS: FRED GEBHARDT, ERIC VOGLER,
JEFF LANGMAN
WSMR: JOSE GALLEGOS

DISCUSS GRANT PROPOSAL (ERIC)
PUBLICATION (JEFF)

1535 HTA-49 352.75
1550 HTA-48 108.04

4/13/07

0900 HTA-39 79.86
0920 HTA-40 93.08

4-10-07 HTA

0805 ARRIVE AT HTA SITE ON WSMR.
CREW: FRED GEBHARDT & ANDREW ROBERTSON
THE CREW WILL SPLIT UP TODAY.

CALIBRATION OF METERS:

pH METER: ORION 250A S/N 012941
pH BUFFERS 7.01 + 10.01
INITIAL READING 7.02 + 10.09
ADJUSTED NONE + 10.01
SLOPE 98.2

CONDUCTIVITY METER: ORION 130A S/N 1348654
CONDUCTIVITY STD 1000
INITIAL READING 1000
~~SLOPE~~ ADJUSTED NONE
SLOPE 477

DO METER: YSI 550A S/N 05F2333 HZ
ELEVATION 5000

4-10-07 HTA

0925 ARRIVE AT WELL HTA 26 WL 101.06.

TIME	VOL	TEMP	pH	COND	DO
0950	INITIAL	20.2	6.49	929	1.67
1000	5	20.3	6.86	923	0.66
1009	10	20.4	7.05	916	0.61
1017	15	20.4	7.07	910	0.53
1026	20	20.3	7.08	909	0.45

1030 COLLECTED ENVIRONMENTAL SAMPLE HTA-26
ALSO COLLECTED MATRIX SPIKE + MS DUPLICATE.
1040 COLLECTED DUPLICATE SAMPLE HTA26-1
~~HOS ARRI~~

1102 ARRIVE AT WELL HTA-4 WL 31.35

TIME	VOL	TEMP	pH	COND	DO
1114	INITIAL	19.9	7.04	837	4.35
1123	5	20.0	7.00	838	4.11
1132	10	20.0	6.97	838	4.00
1140	15	20.0	6.94	839	4.01
1149	20	20.0	6.98	838	4.03

1155 COLLECTED ENVIRONMENTAL SAMLE HTA-4.

4-10-07 HTA

1220 ARRIVE AT WELL HTA-42. WL 68.03

TIME	VOL	TEMP	PH	COND	DO
1230	INITIAL	21.8	7.10	779	3.65
1242	5	21.6	7.12	780	3.20
1252	10	21.7	7.13	781	3.16
1301	15	21.7	7.13	781	3.15
1310	20	21.8	7.13	780	3.12

1315 COLLECTED ENVIRONMENTAL SAMPLE HTA-42

1329 ARRIVE AT WELL HTA 46. WL 87.18

TIME	VOL	TEMP	PH	COND	DO
1334	INITIAL	21.4	7.23	837	2.50
	BLADER CONTROL BOX STOPPED WORKING, REPLACED.				
1358	5	21.0	7.31	867	0.33
	H_2S SMELL				~~0.33~~
1412	10	21.0	7.34	868	0.07
1427	15	20.9	7.36	868	0.04
1441	20	21.0	7.37	867	0.03

1445 ENVIRONMETAL SAMPLE HTA 46

4-10-07 HTA

1500 ARRIVE AT HTA 43. WL 73.55

TIME	VOL	TEMP	pH	COND	DO
1507	INITIAL	22.0	7.34	888	5.60
1519	5	21.5	7.25	895	5.78
1531	10	21.5	7.24	895	5.72
1543	15	21.5	7.23	895	5.57
1555	20	21.5	7.23	895	5.49

1600 ENVIRONMENTAL SAMPLE HTA-43

1609 ARRIVE AT HTA-45 WL 79.92

TIME	VOL	TEMP	pH	COND	DO
1614	INITIAL	22.2	7.30	729	5.87
1627	5	21.7	7.21	737	5.77
1639	10	21.7	7.20	737	5.69
1651	15	21.7	7.20	737	5.63
1703	20	21.6	7.20	737	5.61

1705 ENVIRONMENTAL SAMPLE HTA-45.

4-10-07 HTA

1712 ARRIVE AT WELL HTA 31. WL 44.89

TIME	VOL	TEMP	pH	COND	DO
1719	INITIAL	21.1	7.16	908	4.48
1730	5	20.4	7.11	918	3.43
1741	10	20.4	7.11	919	3.38
1752	15	20.3	7.09	919	3.32
1803	20	20.3	7.09	919	3.30

1805 ENVIRONMETAL SAMPLE HTA 31.

4-11-07 HTA-47A WL 76.05 @ 1015

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of
Samples Collected January 9 and 10, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
March 2007

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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HAT31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected January 9 and 10, 2007. Wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31-34, 42, 43, 45, 46, 50, 51, and SMR1A (production well for the Small Missile Range) were sampled this round. Total explosives (method SW8330) were analyzed in ground-water samples from wells HTA11, 12, 14, 16, 19, 20, 22-27, 32, and 46. Nitrate plus nitrite (method MCAWW353.2) were analyzed in ground-water samples from wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31, and 32. Perchlorate (method 8321A) was analyzed in ground-water samples from all the wells sampled. Severn Trent Services (STL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the January 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and

11) show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12 through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the January 2007 sampling round are listed below:

Ground water from wells HTA11, HTA14, HTA16, and HTA20 showed the largest RDX concentrations 68 micrograms per liter (µg/L), 38 µg/L, 33 µg/L, and 51 µg/L, respectively (table 1)). RDX concentrations in water from wells HTA19, HTA24, HTA25, HTA26, and HTA46 ranged from 0.24 µg/L (HTA19) to 5.8 µg/L (HTA46).

Ground water from well HTA19 continued to show the largest concentration of nitrate plus nitrite (21 mg/L) (fig. 17). Wells HTA11, HTA18 and HTA28 showed concentrations at or larger than 10 mg/L (table 1).

Ground water from wells HTA16 and HTA20 show the largest concentrations of perchlorate (17 mg/L, respectively).

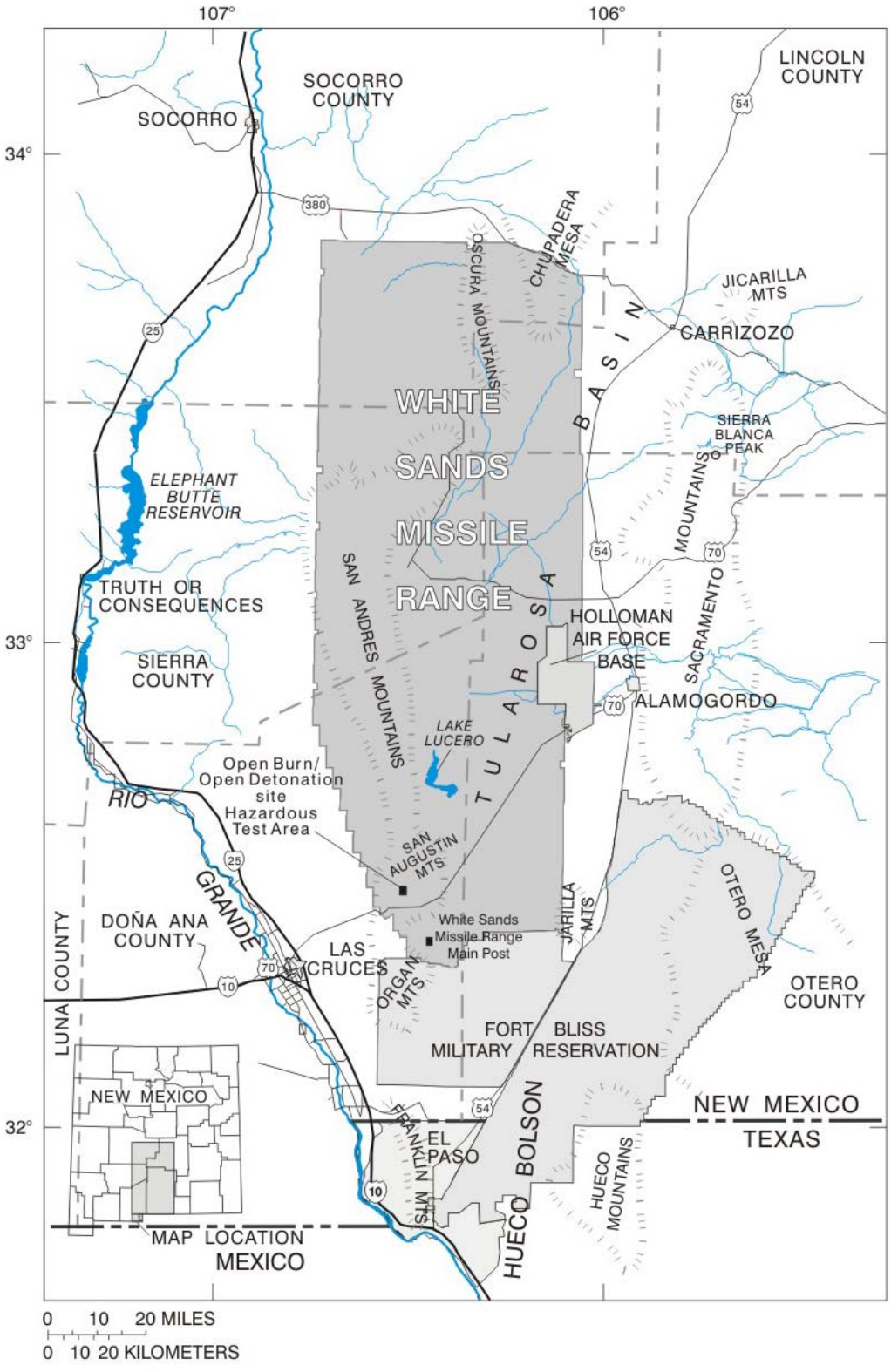


Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

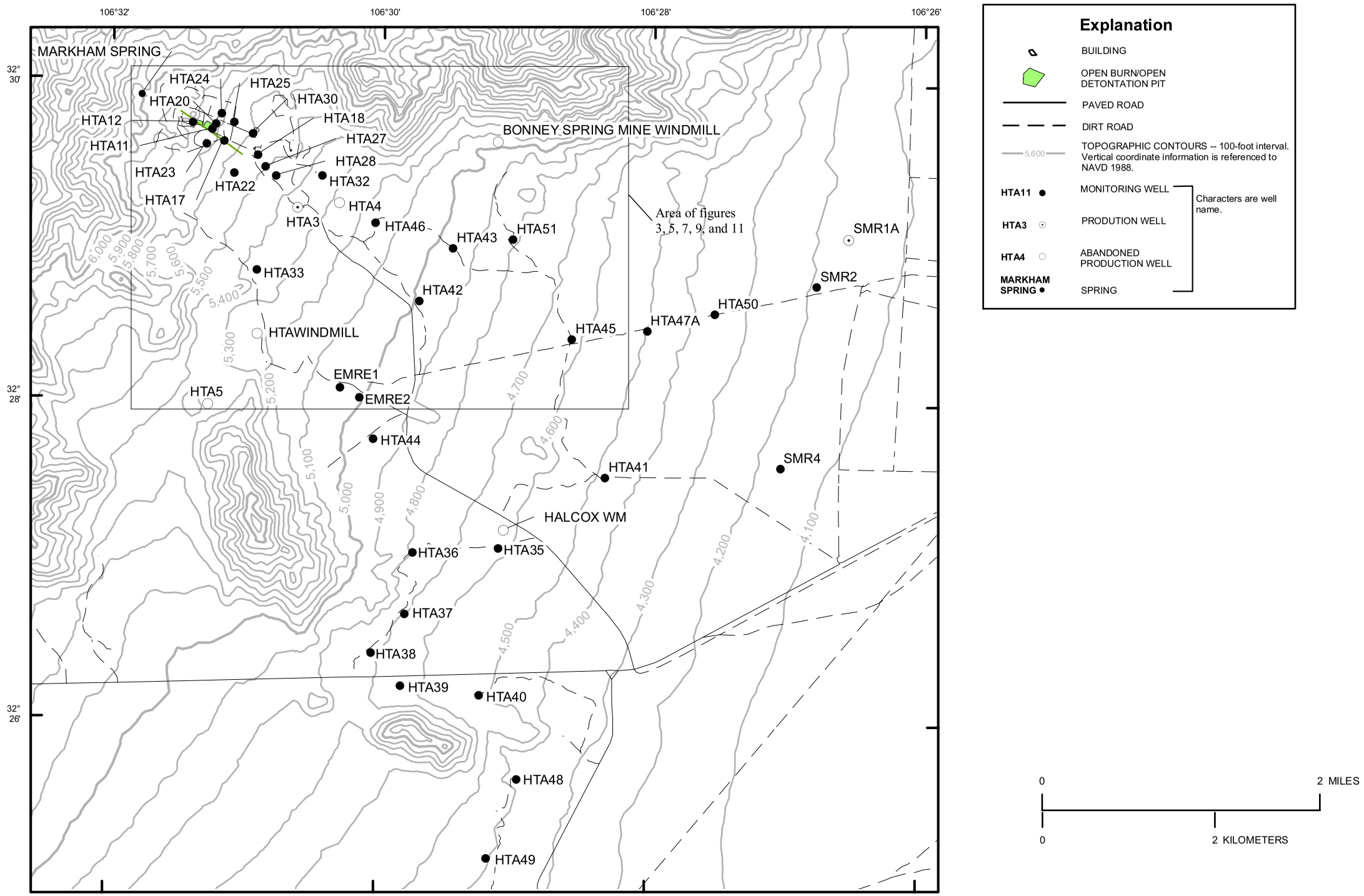


Figure 2. Location of wells at the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

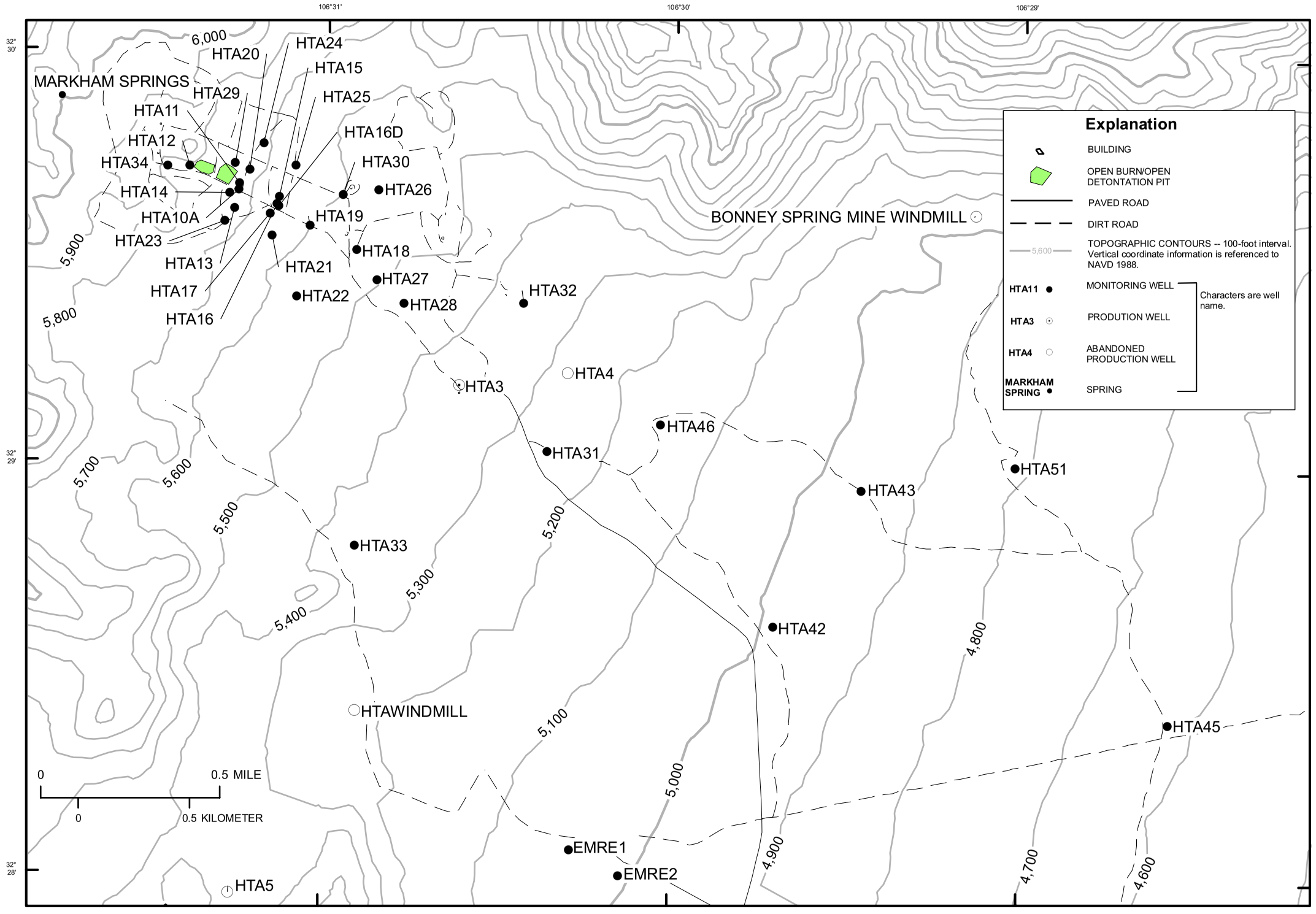


Figure 3. Location of wells at the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

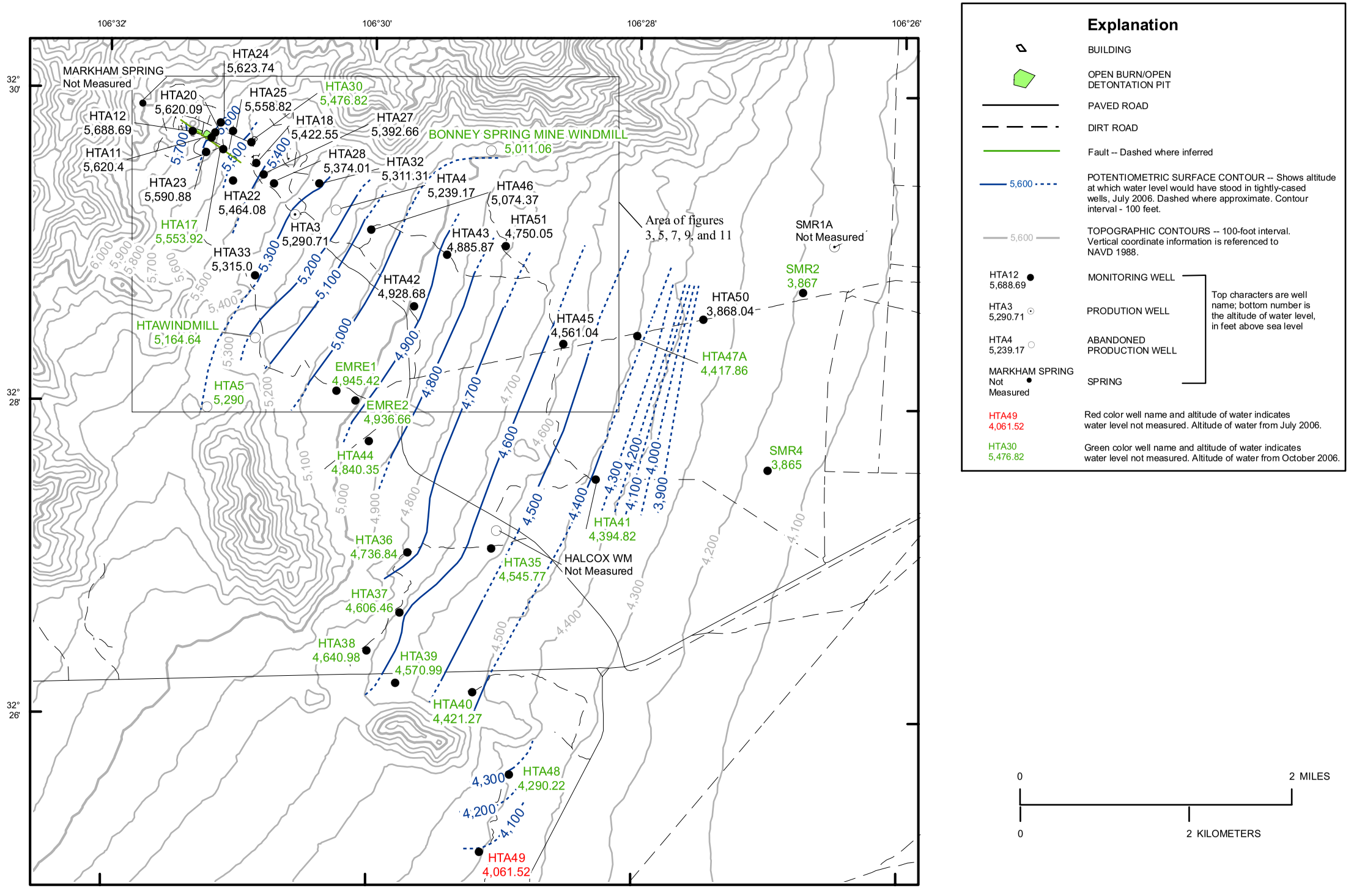


Figure 4. Approximate altitude of the potentiometric surface, January 9 and 10, 2007, in the Hazardous Test Area, U.S. Army White Sands Missile Range, New Mexico.

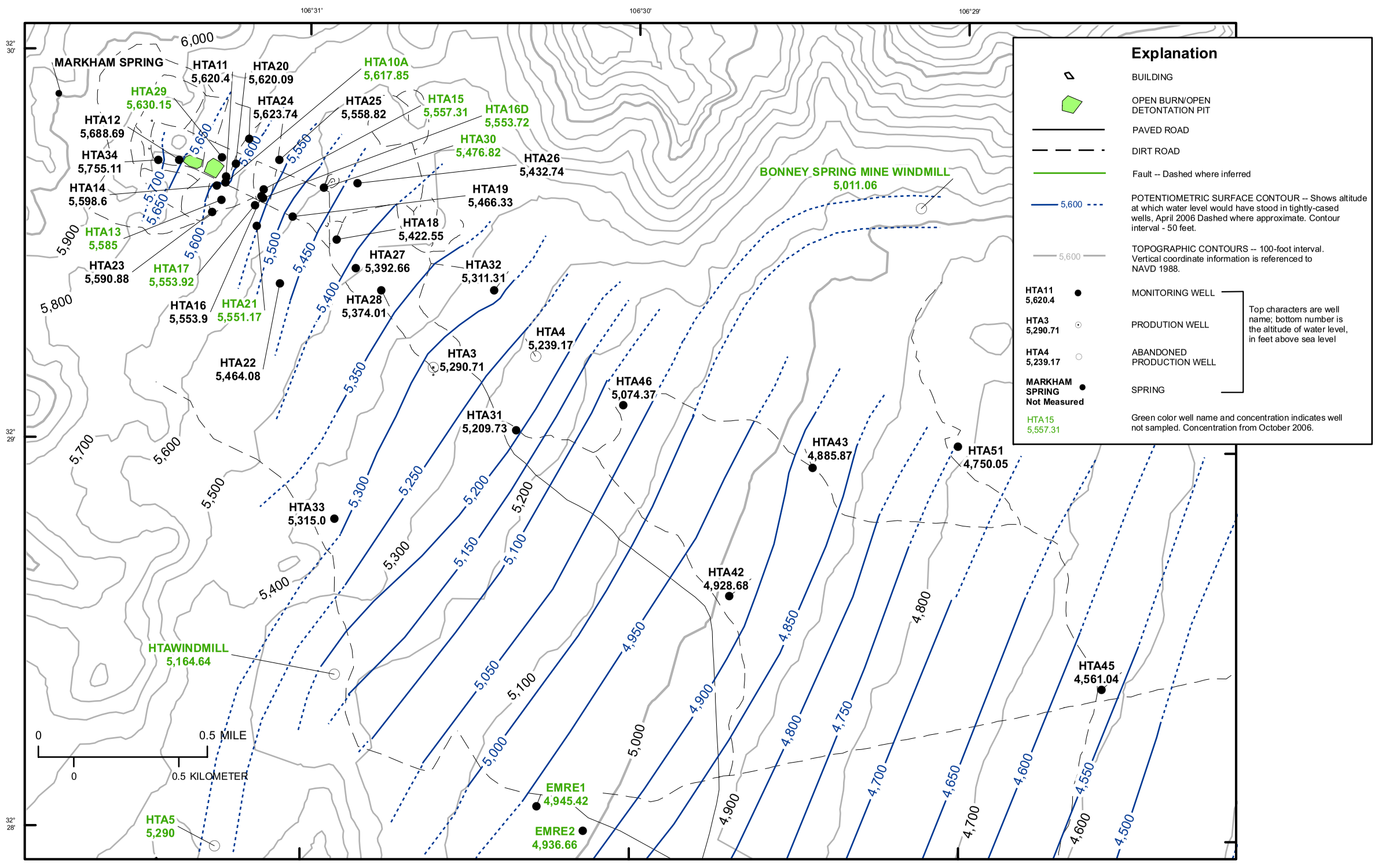
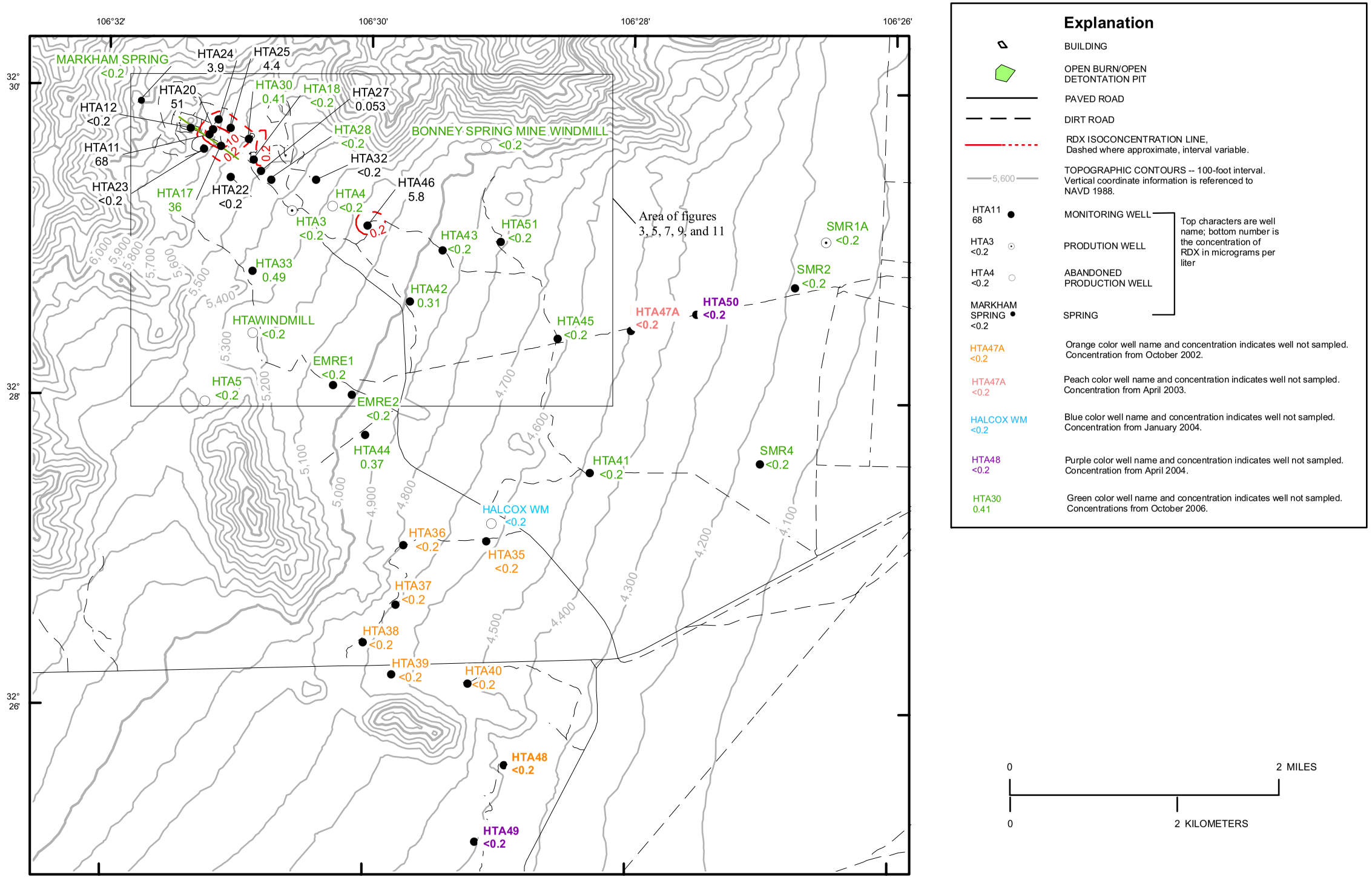


Figure 5. Approximate altitude of the potentiometric surface, January 9 and 10, 2007, in the area downgradient from the Open Burn / Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- RDX ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 68 — MONITORING WELL
- HTA3 <0.2 — PRODUTION WELL
- HTA4 <0.2 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING <0.2 — SPRING

Top characters are well name; bottom number is the concentration of RDX in micrograms per liter

- HTA47A <0.2 — Orange color well name and concentration indicates well not sampled. Concentration from October 2002.
- HTA47A <0.2 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HALCOX WM <0.2 — Blue color well name and concentration indicates well not sampled. Concentration from January 2004.
- HTA48 <0.2 — Purple color well name and concentration indicates well not sampled. Concentration from April 2004.
- HTA30 0.41 — Green color well name and concentration indicates well not sampled. Concentrations from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 6. Selected concentrations of RDX in ground water in the Hazardous Test Area, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

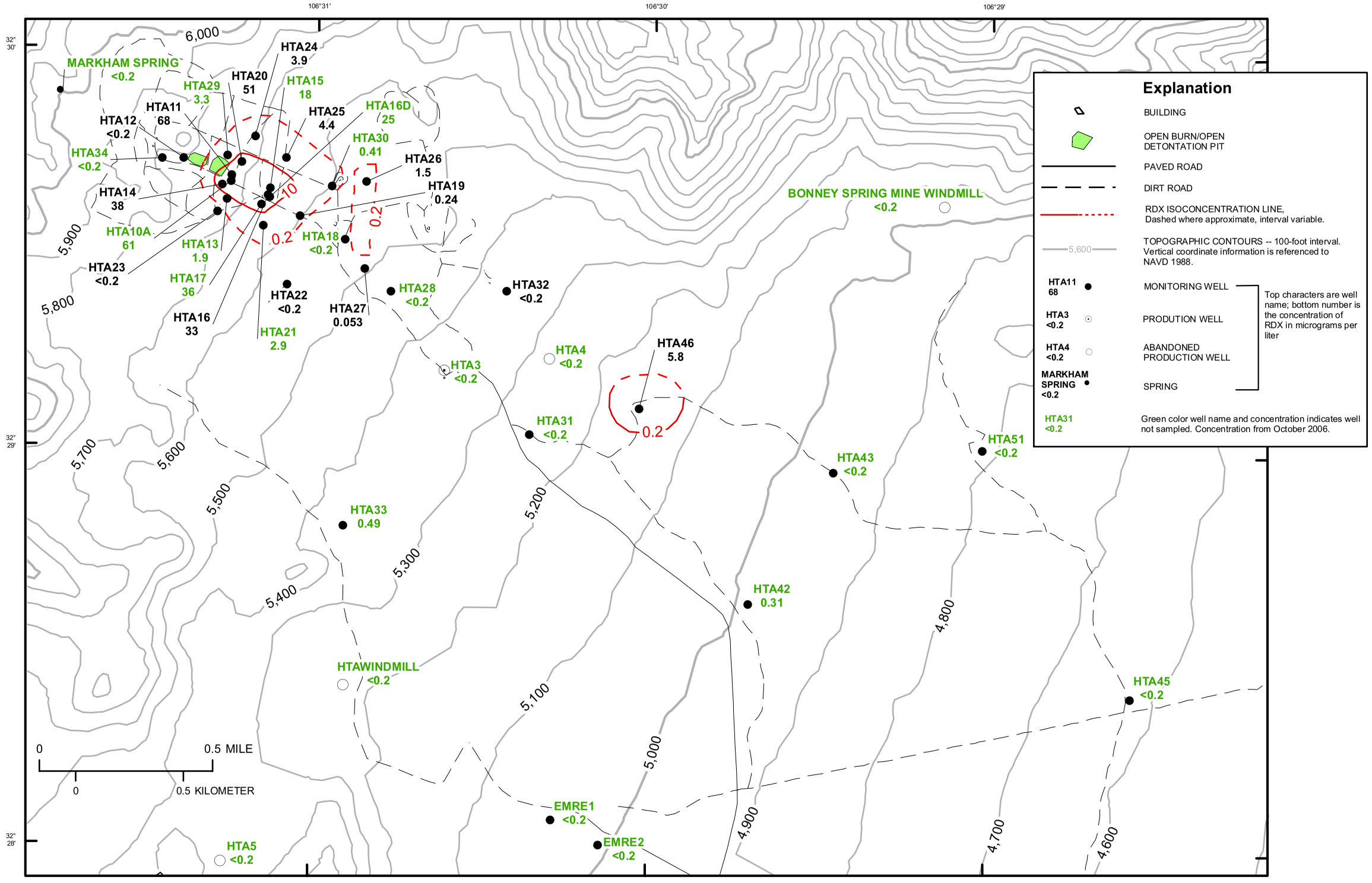
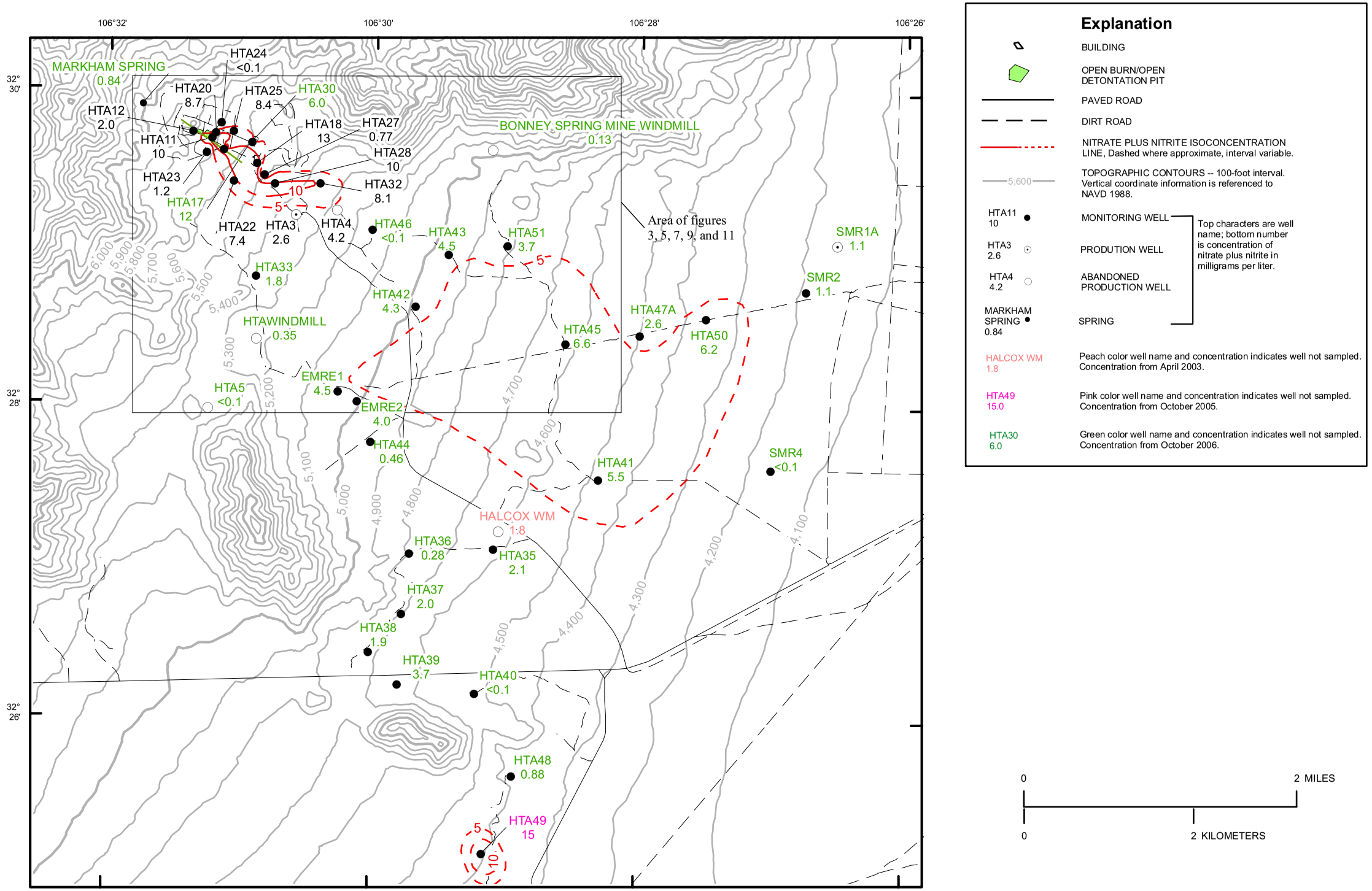


Figure 7. Concentrations of RDX in ground water downgradient from the Open Burn / Open Detonation Unit, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.



Explanation

- BUILDING
- OPEN BURN/OPEN DETONTATION PIT
- PAVED ROAD
- DIRT ROAD
- NITRATE PLUS NITRITE ISOCONCENTRATION LINE, Dashed where approximate, interval variable.
- 5,600 — TOPOGRAPHIC CONTOURS -- 100-foot interval. Vertical coordinate information is referenced to NAVD 1988.
- HTA11 10 — MONITORING WELL
- HTA3 2.6 — PRODUTION WELL
- HTA4 4.2 — ABANDONED PRODUCTION WELL
- MARKHAM SPRING 0.84 — SPRING

Top characters are well name; bottom number is concentration of nitrate plus nitrite in milligrams per liter.

- HALCOX WM 1.8 — Peach color well name and concentration indicates well not sampled. Concentration from April 2003.
- HTA49 15.0 — Pink color well name and concentration indicates well not sampled. Concentration from October 2005.
- HTA30 6.0 — Green color well name and concentration indicates well not sampled. Concentration from October 2006.

0 2 MILES
0 2 KILOMETERS

Figure 8. Selected concentrations of nitrate plus nitrite in ground water in the Hazardous Test Area, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

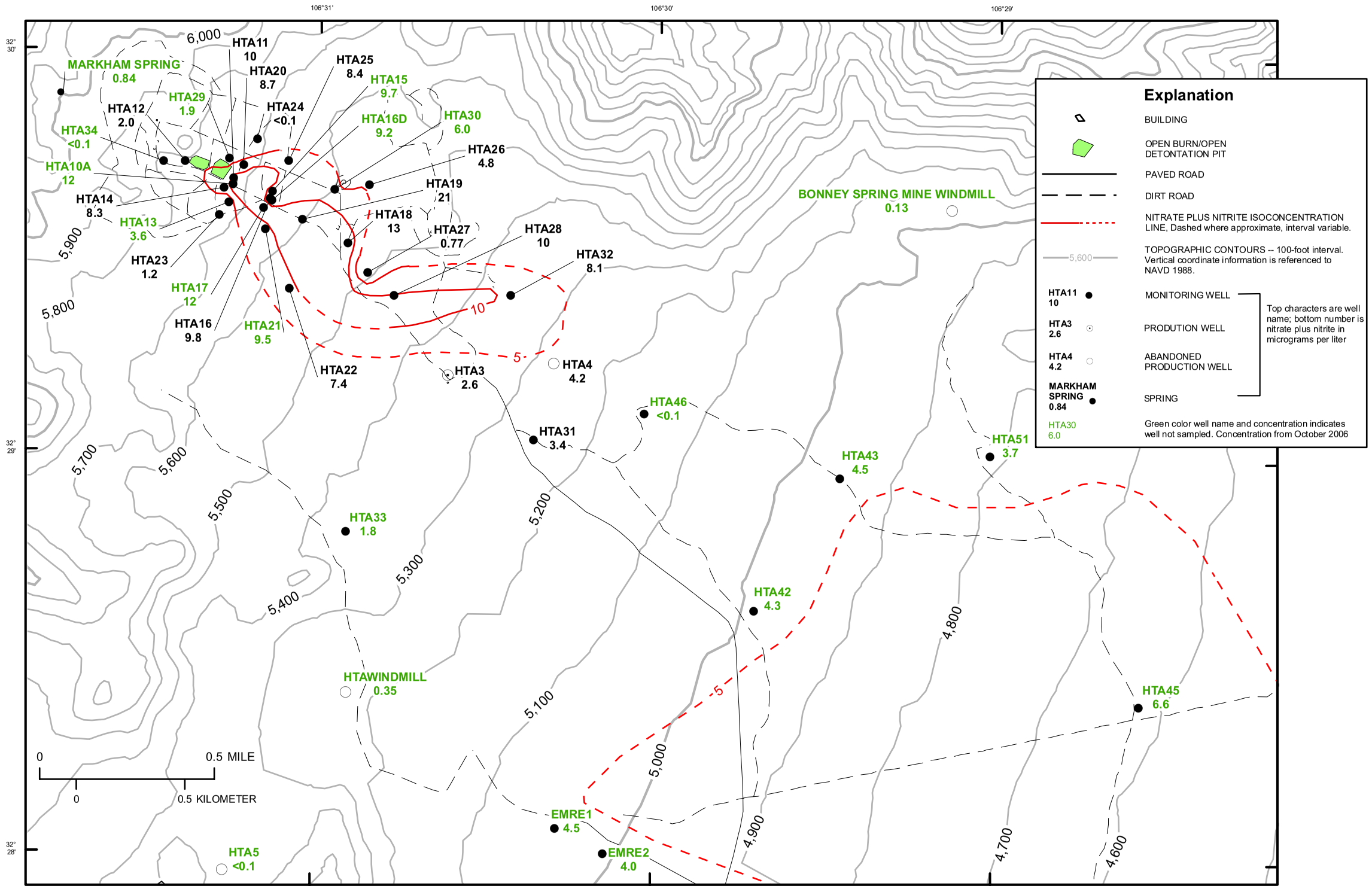


Figure 9. Concentration of nitrate plus nitrite in ground water downgradient from the Open Burn / Open Detonation Unit, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

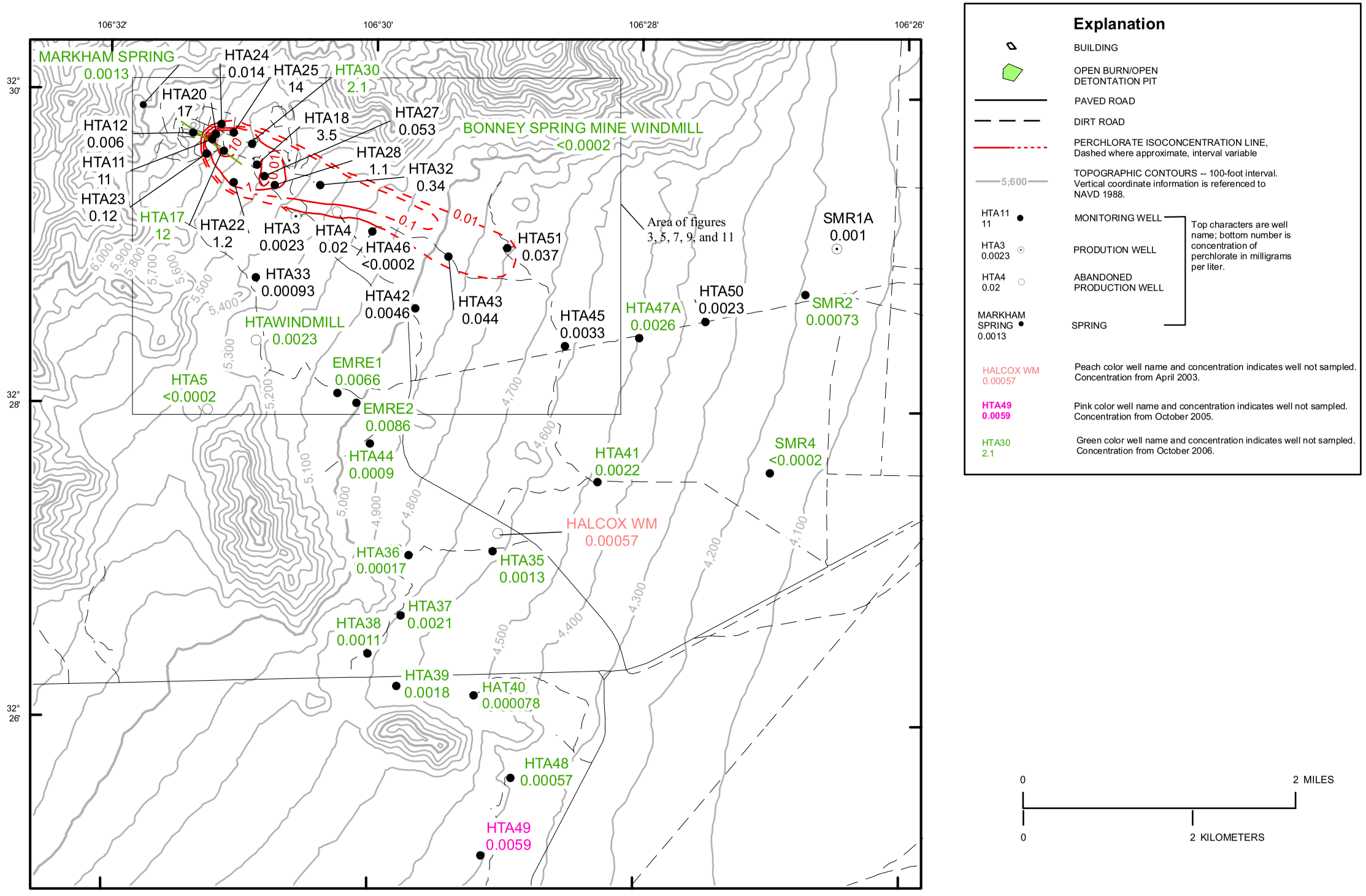


Figure 10. Selected concentrations of perchlorate in ground water in the Hazardous Test Area, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

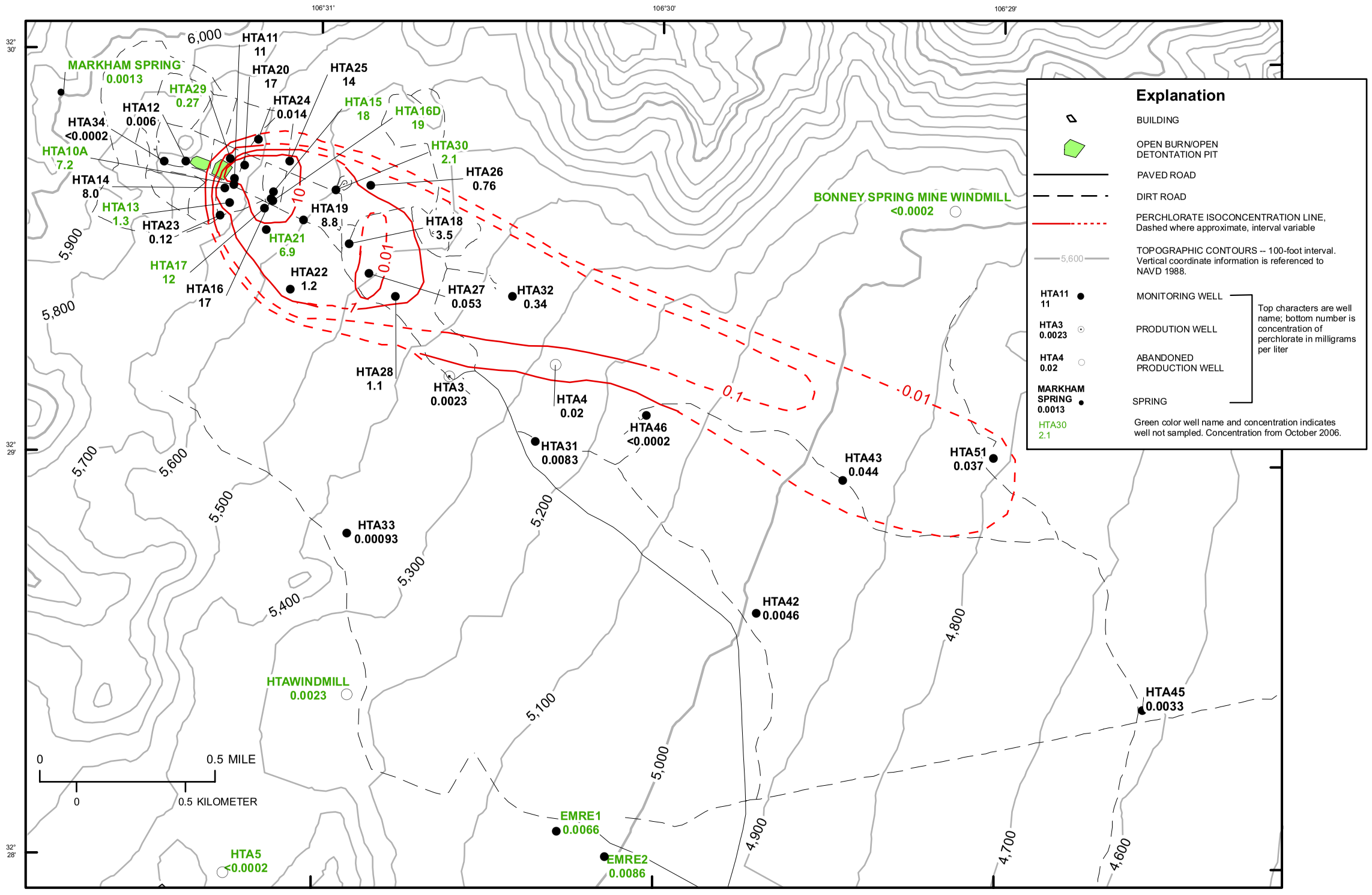


Figure 11. Concentrations of perchlorate in ground water downgradient from the Open Burn / Open Detonation Unit, January 9 and 10, 2007, U.S. Army White Sands Missile Range, New Mexico.

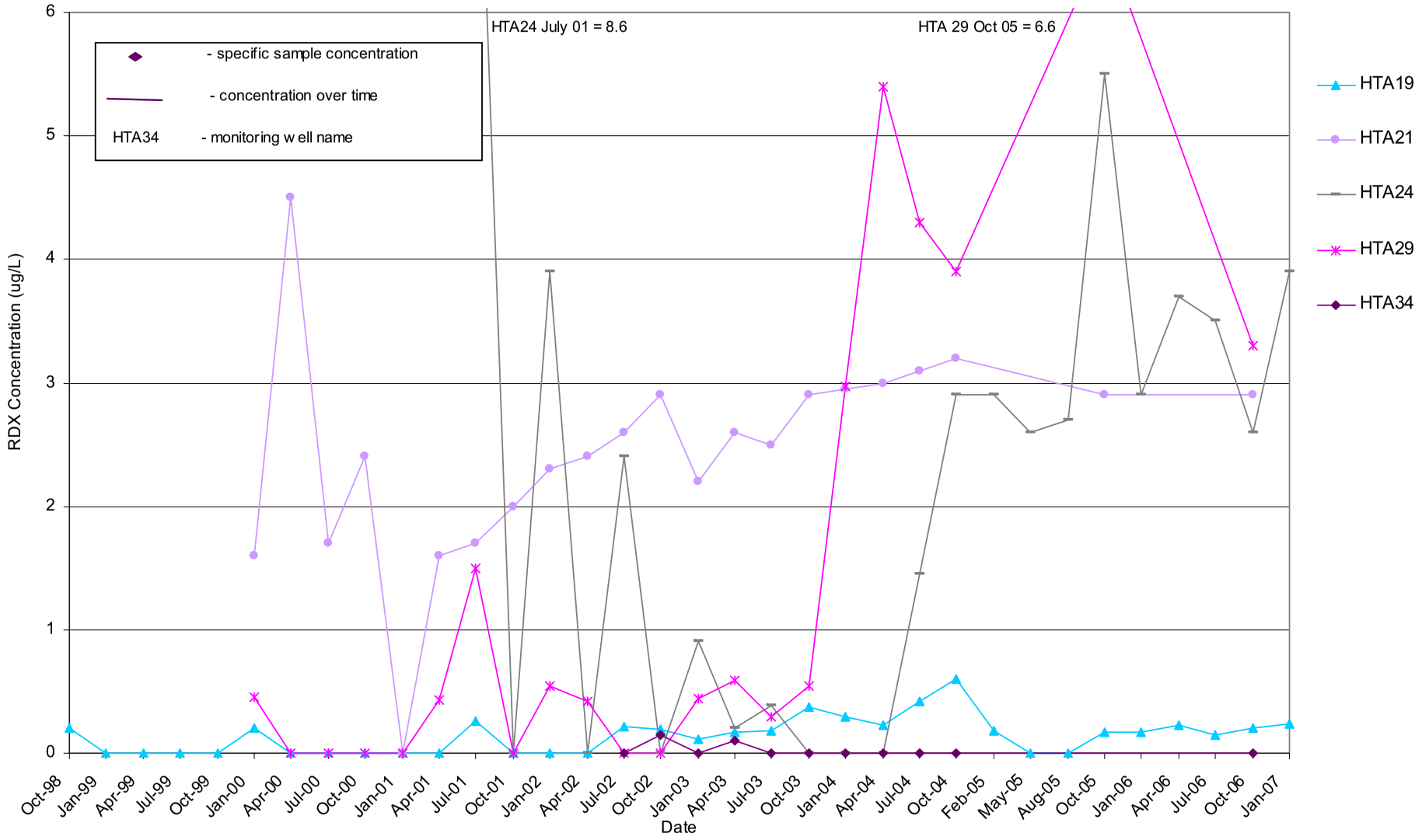


Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

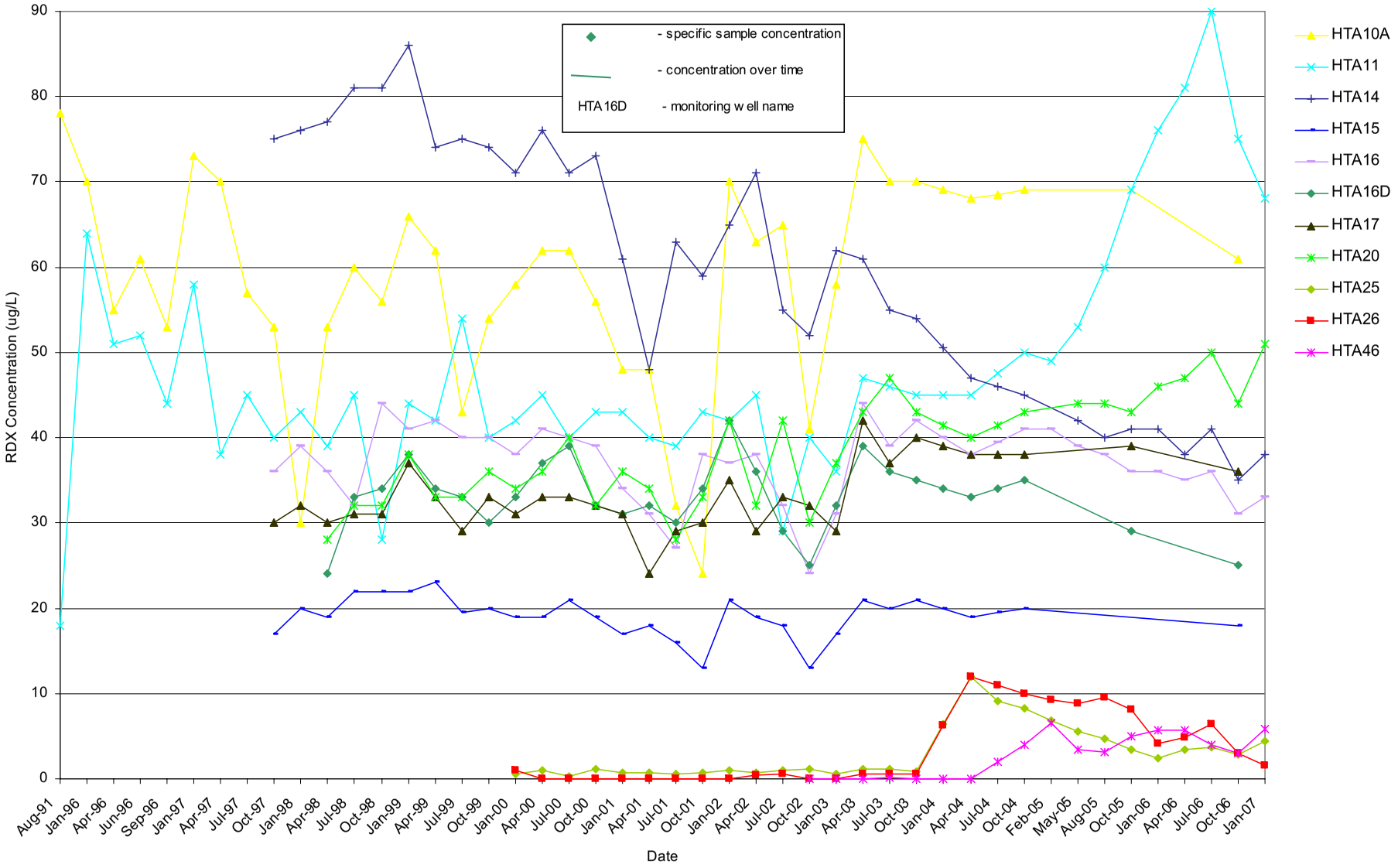


Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

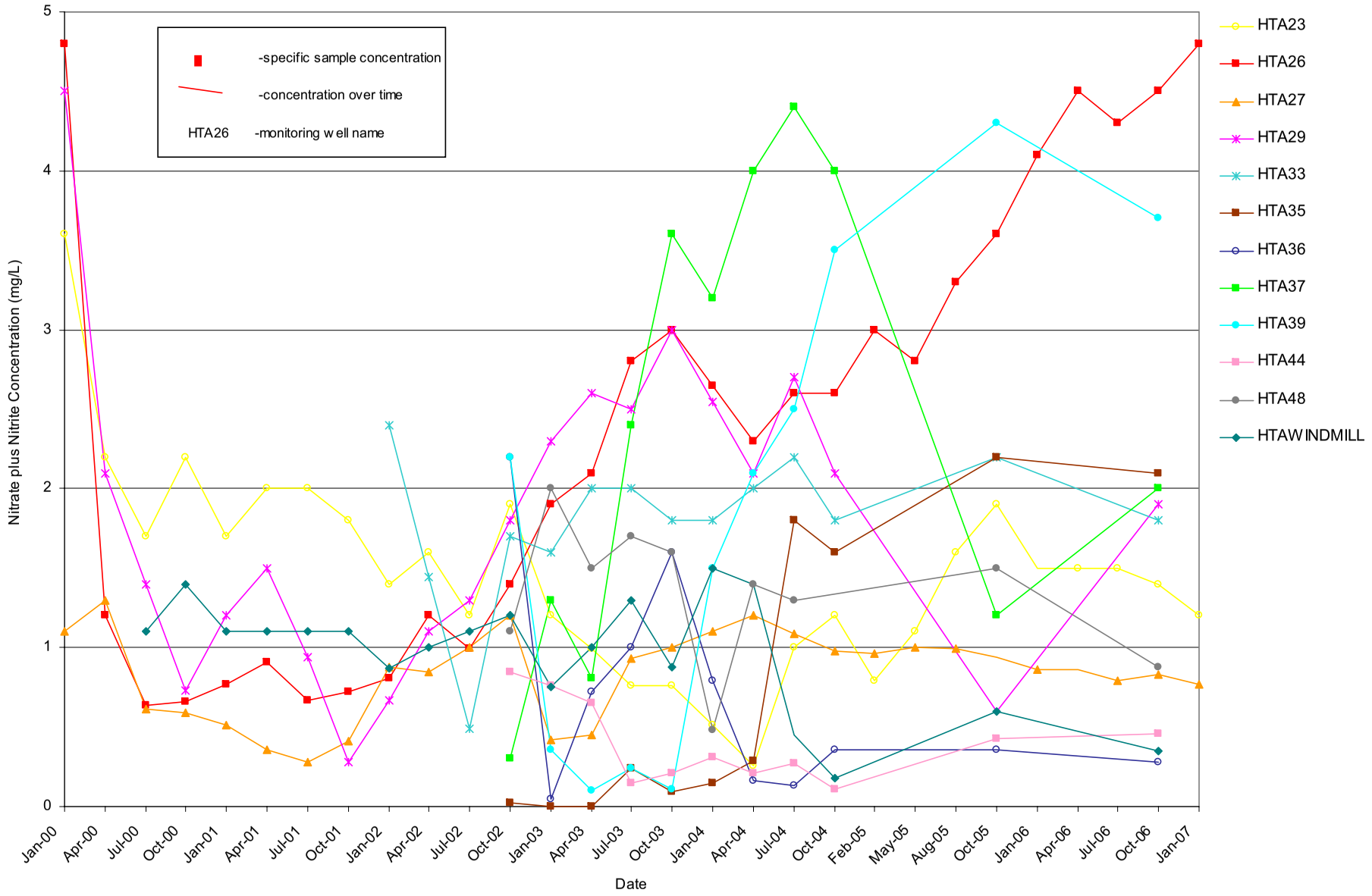


Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico

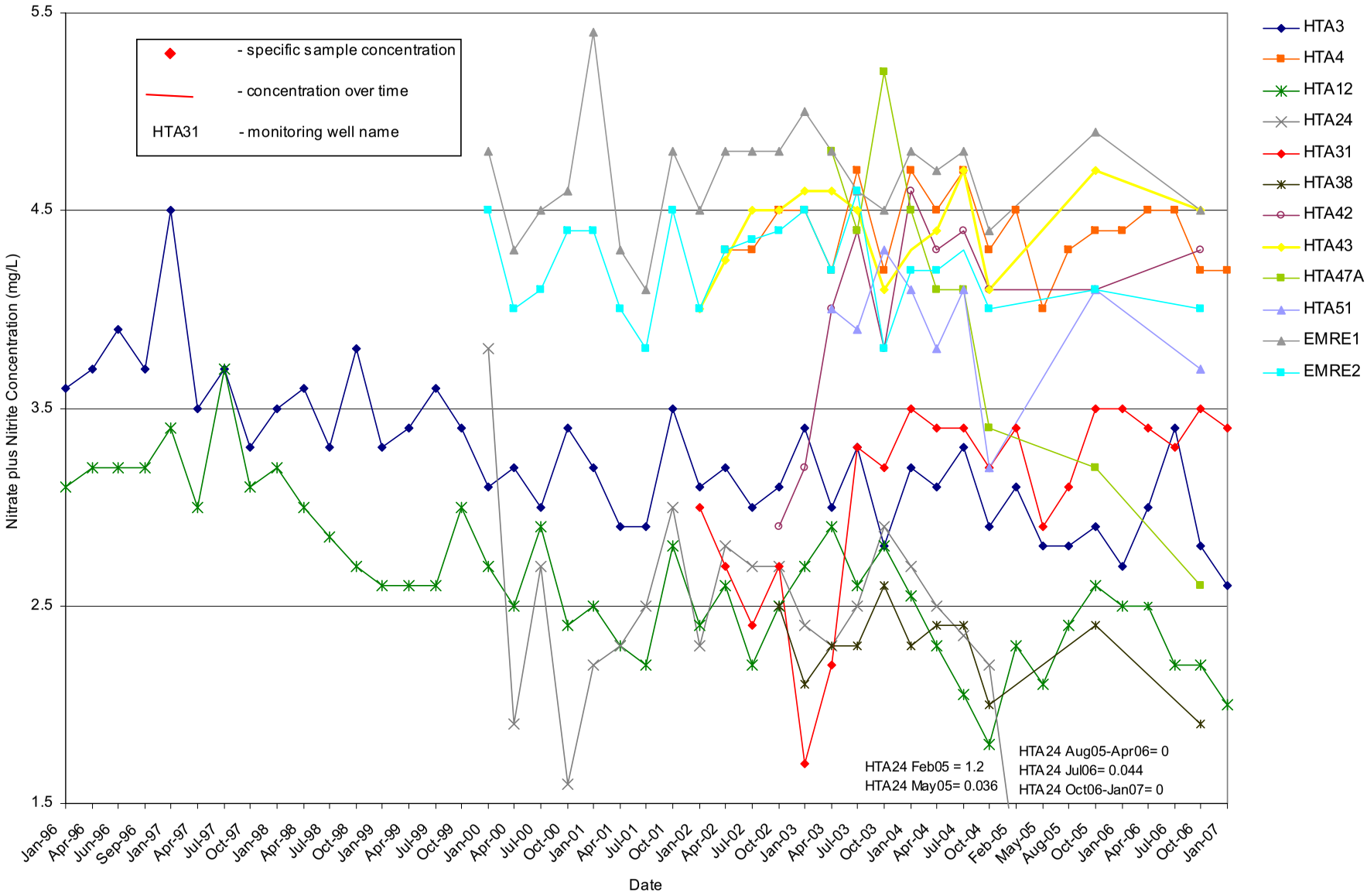


Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

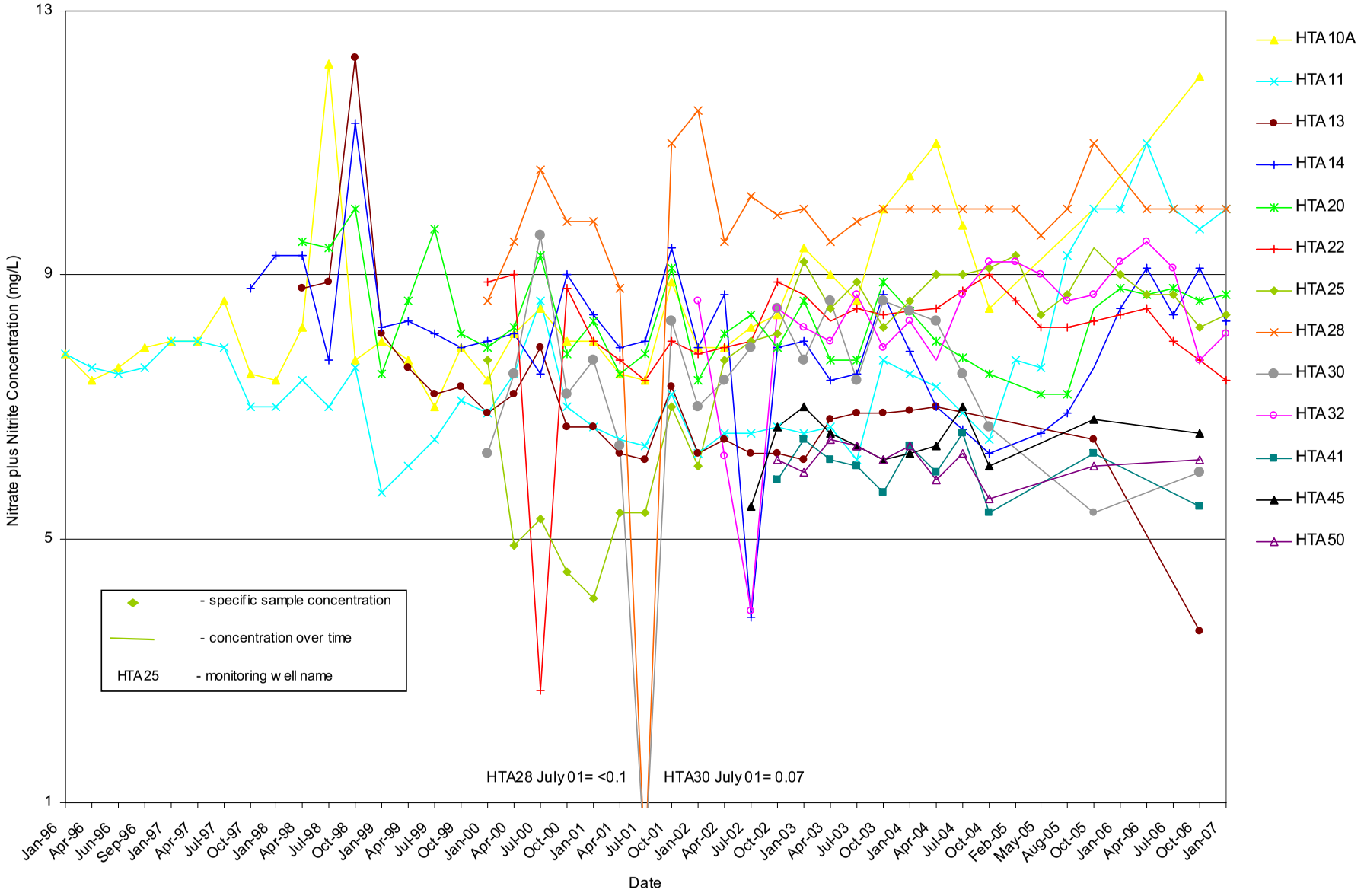


Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

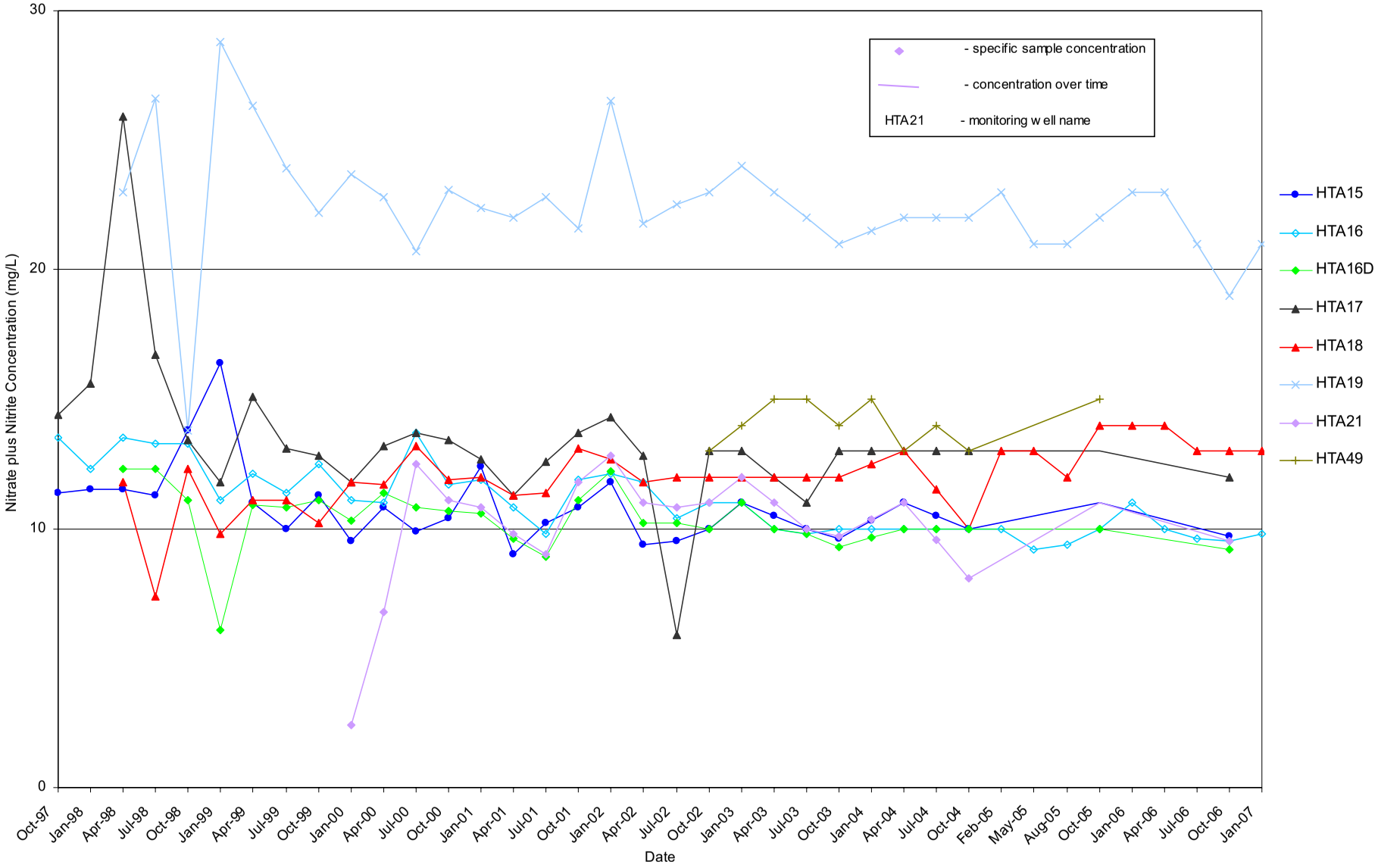


Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

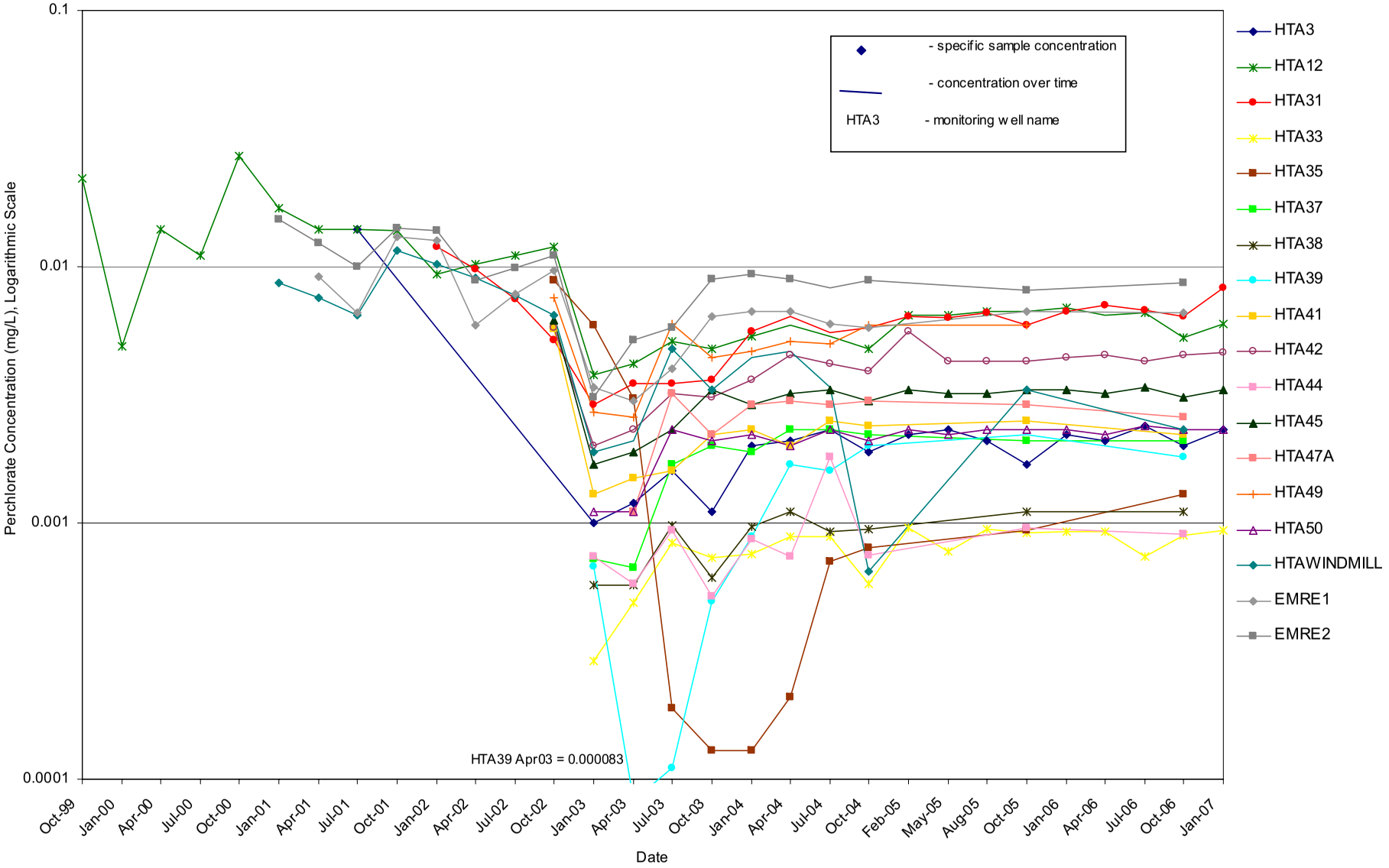


Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

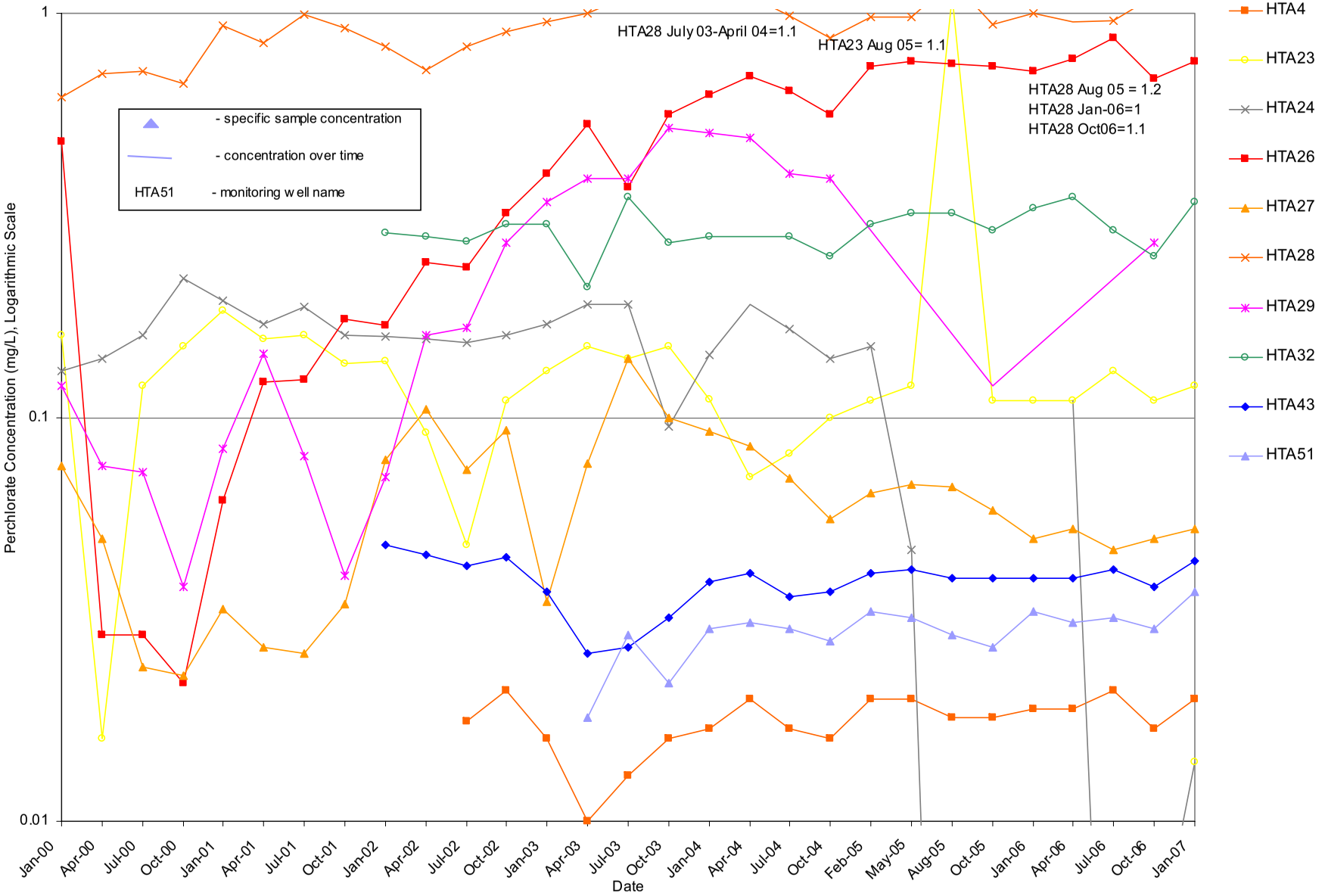


Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

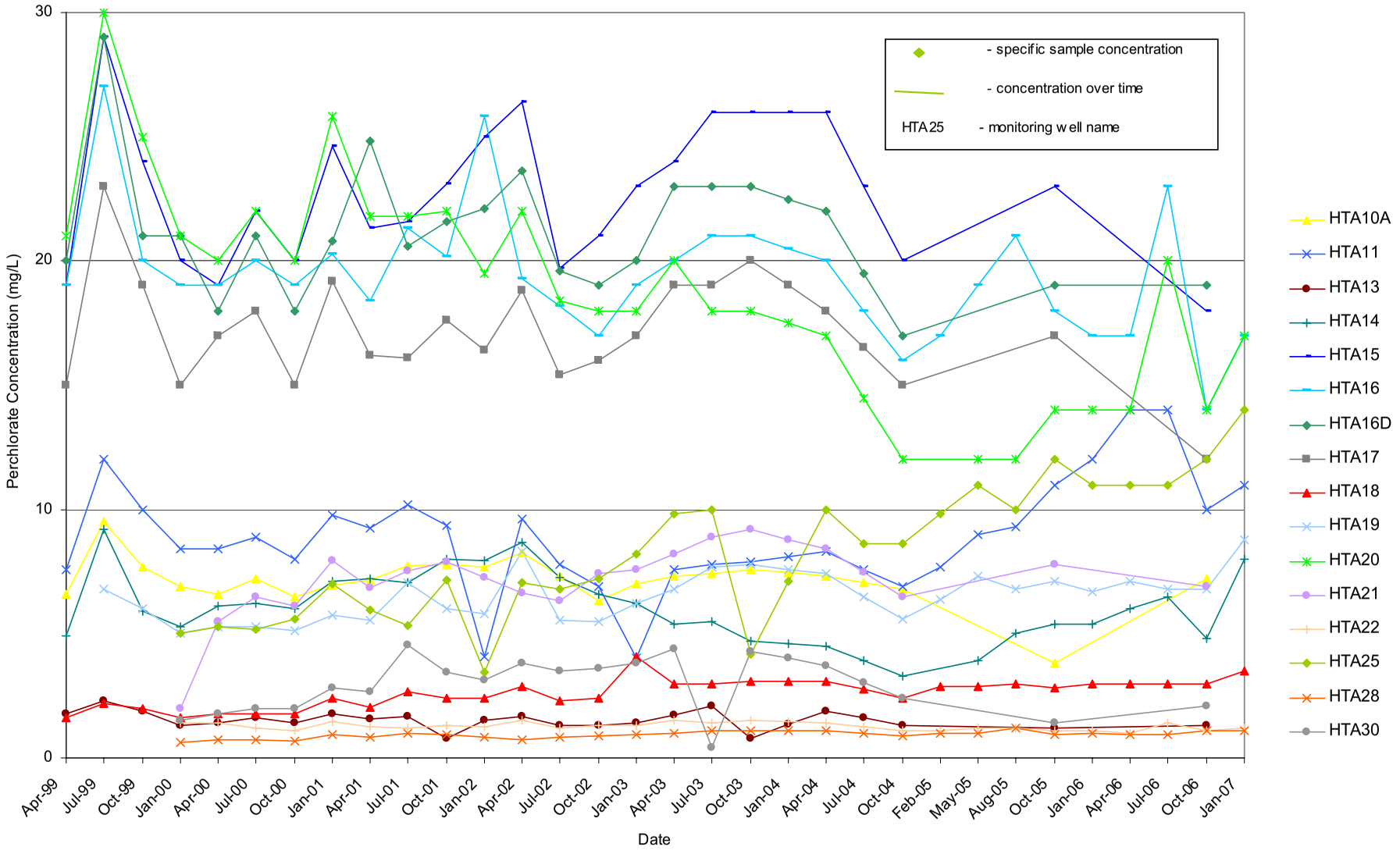


Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to January 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected January 9 and 10, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **NR**, analysis not requested; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **ND**, not detected; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA3		HTA4		HTA11		HTA12		HTA14	
Sample date & time:	1/10/2007	1320	1/10/2007	1625	1/9/2007	1410	1/9/2007	1200	1/9/2007	1320
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
HMX	NR		NR		0.63 J	1.0	ND	0.2	0.44	0.4
RDX	NR		NR		68	1.0	ND	0.2	38	0.4
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.6	0.1	4.2	0.1	10.0 Q	0.5	2.0	0.1	8.3 Q	0.5
Perchlorate, SW8321A (mg/L)	0.0023	0.001	0.02	0.002	11.0	1.0	0.006	0.002	8.0	1.0

Sample ID:	Field Duplicate HTA14-2		HTA16		HTA18		HTA19		HTA20	
Sample date & time:	1/9/2007	1325	1/9/2007	1510	1/9/2007	1710	1/9/2007	1520	1/10/2007	1135
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
HMX	ND	0.4	0.47	0.4	NR		ND	0.2	0.52 J	1.0
RDX	41.0	0.4	33.0	0.4	NR		0.24	0.2	51.0	1.0
Nitrate & Nitrite, MCAWW353.2 (mg/L)	8.4 Q	0.5	9.8 Q	0.5	13.0 Q	0.5	21.0 Q	1.0	8.7 Q	0.5
Perchlorate, SW8321A (mg/L)	7.0	1.0	17.0	2.0	3.5	0.4	8.8	1.0	17.0	2.0

Sample ID:	HTA22		HTA23		Field Duplicate HTA23-2		HTA24		HTA25	
Sample date & time:	1/10/2007	0940	1/10/2007	1050	1/10/2007	1055	1/9/2007	1035	1/10/2007	1220
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	ND	0.2	ND	0.2	3.9	0.2	4.4	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	7.4 Q	0.5	1.2	0.1	1.3	0.1	ND	0.1	8.4 Q	0.5
Perchlorate, SW8321A (mg/L)	1.2	0.4	0.12	0.02	0.13	0.02	0.014	0.002	14.0	1.0

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected January 9 and 10, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **COL**, more than 40% RPD between primary and confirmation detector results; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **ND,** not detected; **NR**, analysis not requested; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA26		HTA27		Equipment Blank HTA27-EB		HTA28		HTA31	
Sample date & time:	1/10/2007	1430	1/9/2007	1145	1/9/2007	1225	1/10/2007	1535	1/10/2007	1645
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	1.5 COL	0.2	0.053 J,COL	0.2	ND	0.2	NR		NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.8	0.1	0.77	0.1	ND	0.1	10 Q	0.5	3.4	0.1
Perchlorate, SW8321A (mg/L)	0.76	0.1	0.053	0.004	ND	0.0002	1.1	0.2	0.0083	0.002

Sample ID:	HTA32		HTA33		HTA34		HTA42		HTA43	
Sample date & time:	1/10/2007	1525	1/10/2007	1425	1/9/2007	1105	1/10/2007	1125	1/9/2007	1540
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Nitrate & Nitrite, MCAWW353.2 (mg/L)	8.1 Q	0.5	NR		NR		NR		NR	
Perchlorate, SW8321A (mg/L)	0.34	0.04	0.00093 J	0.002	ND	0.002	0.0046	0.002	0.044	0.004

Sample ID:	HTA45		HTA46		HTA50		HTA51		SMR1A	
Sample date & time:	1/9/2007	1350	1/10/2007	1250	1/10/2007	0955	1/9/2007	1435	1/10/2007	0905
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
2,4 - Dinitrotoluene	NR		0.14 J,COL	0.2	NR		NR		NR	
RDX	NR		5.8	0.2	NR		NR		NR	
Perchlorate, SW8321A (mg/L)	0.0033	0.002	ND	0.001	0.0023	0.001	0.037	0.004	0.001 J	0.002

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-3
WELL LOCATION (LONGITUDE)	106° 30' 35"
WELL LOCATION (LATITUDE)	32° 29' 11"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	5 / 23 / 84
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,192 feet above MSL
ELEV BOTTOM OF WELL CASING	5,195 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,247 & 5,237 feet above MSL
ELEV OF TOP OF SCREENED INT	5,297 & 5,277 feet above MSL
SURVEYED ELEV OF CASING TOP	5,356.81 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-4
WELL LOCATION (LONGITUDE)	106° 30' 18"
WELL LOCATION (LATITUDE)	32° 29' 13"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5196 feet above MSL (approximate)
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5270 feet above MSL (approximate)

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-10A	
WELL LOCATION (LONGITUDE)	106° 31' 13"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	7 / 24 / 95	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	Unknown	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Unknown	
ELEV BOTTOM OF BOREHOLE	Unknown	
ELEV BOTTOM OF WELL CASING	~5,608 feet above MSL	
ELEV BOTTOM OF SCREENED INT	~5,608 feet above MSL	
ELEV OF TOP OF SCREENED INT	~5,628 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,690.43 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-11
WELL LOCATION (LONGITUDE)	106° 31' 13"
WELL LOCATION (LATITUDE)	32° 29' 40"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 6.75" (20-119 ft); 6" (119-205.5 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,485.74 feet above MSL
ELEV BOTTOM OF WELL CASING	5,606.24 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,611.24 feet above MSL
ELEV OF TOP OF SCREENED INT	5,631.24 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.17 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-12
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 7.87" (20-100 ft); 6.75" (100-165ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,589.78 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.78 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.78 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.78 feet above MSL
SURVEYED ELEV OF CASING TOP	5,756.71 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-13
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3 ft); 9.8 " (3-60 ft); 6.12" (60-125 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,564.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,570.12 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,575.47 feet above MSL
ELEV OF TOP OF SCREENED INT	5,595.53 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.23 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-14	
WELL LOCATION (LONGITUDE)	106° 31' 15"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 95	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	7.875 inches	
CASING MATERIAL	PVC (Schedule 40)	
METHOD OF DEVELOPMENT	Unknown	
ELEV BOTTOM OF BOREHOLE	5,584.75 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,585.75 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,585.75 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,605.75 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,698.04 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-15
WELL LOCATION (LONGITUDE)	106° 31' 06"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 96
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -106 ft); 6 inches (106 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,522.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,540.92 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,545.92 feet above MSL
ELEV OF TOP OF SCREENED INT	5,565.92 feet above MSL
SURVEYED ELEV OF CASING TOP	5,645.09 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16
WELL LOCATION (LONGITUDE)	106° 31' 07"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -110 ft); 6 inches (110 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,521.18 feet above MSL
ELEV BOTTOM OF WELL CASING	5,538.18 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,543.18 feet above MSL
ELEV OF TOP OF SCREENED INT	5,563.18 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.10 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16D
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 04 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	2.5 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,332.96 feet above MSL
ELEV BOTTOM OF WELL CASING	5,478.74 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,484.01 feet above MSL
ELEV OF TOP OF SCREENED INT	5,503.90 feet above MSL
SURVEYED ELEV OF CASING TOP	5,640.13 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-17
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20ft); 7.87" (20-100 ft); 6.75" (100-165 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,521.49 feet above MSL
ELEV BOTTOM OF WELL CASING	5,531.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,536.49 feet above MSL
ELEV OF TOP OF SCREENED INT	5,556.49 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.64 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-18
WELL LOCATION (LONGITUDE)	106° 30' 56"
WELL LOCATION (LATITUDE)	32° 29' 32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	2 / 28 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,231.59 feet above MSL
ELEV BOTTOM OF WELL CASING	5,406.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,412.28 feet above MSL
ELEV OF TOP OF SCREENED INT	5,432.34 feet above MSL
SURVEYED ELEV OF CASING TOP	5,538.95 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-19
WELL LOCATION (LONGITUDE)	106° 31' 03"
WELL LOCATION (LATITUDE)	32° 29' 35"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 6 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,289.83 feet above MSL
ELEV BOTTOM OF WELL CASING	5,448.22 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,453.57 feet above MSL
ELEV OF TOP OF SCREENED INT	5,473.63 feet above MSL
SURVEYED ELEV OF CASING TOP	5,597.22 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-20
WELL LOCATION (LONGITUDE)	106° 31' 14"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 11 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-115ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,584.34 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.58 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.93 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.99 feet above MSL
SURVEYED ELEV OF CASING TOP	5,701.56 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-21
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 33"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11 / 30 / 99
DRILLING METHOD	Air rotary (0-41 ft) and air hammer (41-115 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-41 ft); 6 in (41-115 ft)
CASING MATERIAL	PVC (Schedule 40), 0.01 inch slotted PVC screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,504 feet above MSL
ELEV BOTTOM OF WELL CASING	5,509.67 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,514.52 feet above MSL
ELEV OF TOP OF SCREENED INT	5,534.22 feet above MSL
SURVEYED ELEV OF CASING TOP	5,621.79 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-22	
WELL LOCATION (LONGITUDE)	106° 31' 05"	
WELL LOCATION (LATITUDE)	32° 29' 24"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-15 ft) and air hammer (15-115 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-15 ft); 6 in (15-115 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,442 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,447.39 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,452.24 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,471.94 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,559.61 feet above MSL	

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-23
WELL LOCATION (LONGITUDE)	106° 31' 18"
WELL LOCATION (LATITUDE)	32° 29' 35"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	12/01/99
DRILLING METHOD	Air rotary (0-35 ft) and air hammer (35-135 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-35 ft); 6 in (35-135 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,545 feet above MSL
ELEV BOTTOM OF WELL CASING	5,544.87 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,549.72 feet above MSL
ELEV OF TOP OF SCREENED INT	5,569.42 feet above MSL
SURVEYED ELEV OF CASING TOP	5,682.05 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-24
WELL LOCATION (LONGITUDE)	106° 31' 11"
WELL LOCATION (LATITUDE)	32° 29' 47"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/01/99
DRILLING METHOD	Air rotary (0-34 ft) and air hammer (34-164 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-34 ft); 6 in (34-164 ft)
CASING MATERIAL	PVC (schedule 40)
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,528 feet above MSL
ELEV BOTTOM OF WELL CASING	5,528.55 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,533.40 feet above MSL
ELEV OF TOP OF SCREENED INT	5,553.10 feet above MSL
SURVEYED ELEV OF CASING TOP	5,694.50 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area		
EPA I.D. NUMBER	NM2750211235		
COUNTY	Dona Ana		
WELL NUMBER	HTA-25		
WELL LOCATION (LONGITUDE)	106° 31' 06"		
WELL LOCATION (LATITUDE)	32° 29' 43"		
AQUIFER NAME	Precambrian Granite (400PCMB)		
AQUIFER CONFINED		UNCONFINED	X
WELL INSTALLATION DATE	12/02/99		
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-123 ft)		
INNER CASING DIAMETER	3 inches		
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-123 ft)		
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen		
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing		
ELEV BOTTOM OF BOREHOLE	5,521 feet above MSL		
ELEV BOTTOM OF WELL CASING	5,524.02 feet above MSL		
ELEV BOTTOM OF SCREENED INT	5,528.87 feet above MSL		
ELEV OF TOP OF SCREENED INT	5,548.57 feet above MSL		
SURVEYED ELEV OF CASING TOP	5,646.03 feet above MSL		

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-26
WELL LOCATION (LONGITUDE)	106° 30' 51"
WELL LOCATION (LATITUDE)	32° 29' 40"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/02/99
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-203 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-203 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,331 feet above MSL
ELEV BOTTOM OF WELL CASING	5,331.60 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,331.60 feet above MSL
ELEV OF TOP OF SCREENED INT	5,351.30 feet above MSL
SURVEYED ELEV OF CASING TOP	5,533.95 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-27	
WELL LOCATION (LONGITUDE)	106° 30' 51"	
WELL LOCATION (LATITUDE)	32° 29' 27"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/03/99	
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-182 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-182 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,313 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,315.14 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,315.14 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,334.84 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,496.5 feet above MSL	

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-28	
WELL LOCATION (LONGITUDE)	106° 30' 46"	
WELL LOCATION (LATITUDE)	32° 29' 23"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/04/99	
DRILLING METHOD	Air rotary (0-19.5 ft), air hammer (19.5-300 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-19.5 ft); 6 in (19.5-300 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Pumped	
ELEV BOTTOM OF BOREHOLE	5,151 feet above MSL, Borehole backfilled with bentonite chip up to 5,302 feet MSL	
ELEV BOTTOM OF WELL CASING	5,306.26 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,311.11 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,330.81 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,453.96 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-29
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 44"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/05/99
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-405 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-405 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Pumped
ELEV BOTTOM OF BOREHOLE	5,318 feet above MSL, Borehole backfilled with bentonite chip up to 5,561 feet MSL
ELEV BOTTOM OF WELL CASING	5,564.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,569.80 feet above MSL
ELEV OF TOP OF SCREENED INT	5,589.50 feet above MSL
SURVEYED ELEV OF CASING TOP	5,725.83 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-30	
WELL LOCATION (LONGITUDE)	106° 30' 57"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-38 ft) and air hammer (38-200 ft)	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	9.88 in (0-25 ft); 5.75 in (25-182 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,368 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,368 feet above MSL, Casing set on base of borehole	
ELEV BOTTOM OF SCREENED INT	5,372.46 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,392.46 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,570.22 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-31
WELL LOCATION (LONGITUDE)	106° 30' 21.96"
WELL LOCATION (LATITUDE)	32° 29' 2.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,161.66 feet above MSL
ELEV BOTTOM OF WELL CASING	5,5166.66 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,166.66 feet above MSL
ELEV OF TOP OF SCREENED INT	5,186.66 feet above MSL
SURVEYED ELEV OF CASING TOP	5,254.75 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-32
WELL LOCATION (LONGITUDE)	106° 30' 26.29"
WELL LOCATION (LATITUDE)	32° 29' 23.73"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,259.77 feet above MSL
ELEV BOTTOM OF WELL CASING	5,268.77 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,268.77 feet above MSL
ELEV OF TOP OF SCREENED INT	5,288.77 feet above MSL
SURVEYED ELEV OF CASING TOP	5,346.31 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-33
WELL LOCATION (LONGITUDE)	106° 30' 54.85"
WELL LOCATION (LATITUDE)	32° 28' 48.1"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,256.81 feet above MSL
ELEV BOTTOM OF WELL CASING	5,261.81 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,261.81 feet above MSL
ELEV OF TOP OF SCREENED INT	5,281.81 feet above MSL
SURVEYED ELEV OF CASING TOP	5,371.55 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-34
WELL LOCATION (LONGITUDE)	106° 31' 27.89"
WELL LOCATION (LATITUDE)	32° 29' 43.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,690.94 feet above MSL
ELEV BOTTOM OF WELL CASING	5,691.94 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,691.94 feet above MSL
ELEV OF TOP OF SCREENED INT	5,711.94 feet above MSL
SURVEYED ELEV OF CASING TOP	5,797.72 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-35
WELL LOCATION (LONGITUDE)	106° 29' 6.03"
WELL LOCATION (LATITUDE)	32° 27' 4.28"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,454.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,459.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,459.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,479.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,621.18 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-36
WELL LOCATION (LONGITUDE)	106° 29' 44.25"
WELL LOCATION (LATITUDE)	32° 27' 2.38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,696.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,701.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,701.49 feet above MSL
ELEV OF TOP OF SCREENED INT	4,721.49 feet above MSL
SURVEYED ELEV OF CASING TOP	4,798.02 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-37	
WELL LOCATION (LONGITUDE)	106° 29' 47.22"	
WELL LOCATION (LATITUDE)	32° 26' 39.19"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/16/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,551.93 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,557.93 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,557.93 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,577.93 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,697.84 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-38	
WELL LOCATION (LONGITUDE)	106° 30' 2.03"	
WELL LOCATION (LATITUDE)	32° 26' 24.49"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/17/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,599.95 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,604.95 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,604.95 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,624.95 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,726.93 feet above MSL	

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-39
WELL LOCATION (LONGITUDE)	106° 29' 48.75"
WELL LOCATION (LATITUDE)	32° 26' 12.15"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,495.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,500.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,500.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,520.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,652.14 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-40
WELL LOCATION (LONGITUDE)	106° 29' 13.95"
WELL LOCATION (LATITUDE)	32° 26' 8.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,309.63 feet above MSL
ELEV BOTTOM OF WELL CASING	4,314.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,314.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,334.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,516.5 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-41
WELL LOCATION (LONGITUDE)	106° 28' 19.14"
WELL LOCATION (LATITUDE)	32° 27' 31.39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,377.11 feet above MSL
ELEV BOTTOM OF WELL CASING	4,377.11 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,377.11 feet above MSL
ELEV OF TOP OF SCREENED INT	4,397.11 feet above MSL
SURVEYED ELEV OF CASING TOP	4,504.63 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-42	
WELL LOCATION (LONGITUDE)	106° 29' 42.66"	
WELL LOCATION (LATITUDE)	32° 28' 37.01"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/15/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,854.49 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,856.69 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,856.69 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,876.69 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,996.95 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-43
WELL LOCATION (LONGITUDE)	106° 29' 27.85"
WELL LOCATION (LATITUDE)	32° 28' 57"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,851.87 feet above MSL
ELEV BOTTOM OF WELL CASING	4,857.87 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,857.87 feet above MSL
ELEV OF TOP OF SCREENED INT	4,877.87 feet above MSL
SURVEYED ELEV OF CASING TOP	4,959.71 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-44
WELL LOCATION (LONGITUDE)	106° 30' 2.42"
WELL LOCATION (LATITUDE)	32° 27' 44.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,794.28 feet above MSL
ELEV BOTTOM OF WELL CASING	4,799.28 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,799.28 feet above MSL
ELEV OF TOP OF SCREENED INT	4,819.28 feet above MSL
SURVEYED ELEV OF CASING TOP	4,940.26 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-45
WELL LOCATION (LONGITUDE)	106° 28' 34.57"
WELL LOCATION (LATITUDE)	32° 28' 23.34"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,493.73 feet above MSL
ELEV BOTTOM OF WELL CASING	4,498.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,498.73 feet above MSL
ELEV OF TOP OF SCREENED INT	4,518.73 feet above MSL
SURVEYED ELEV OF CASING TOP	4,640.84 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-46
WELL LOCATION (LONGITUDE)	106° 30' 2.51"
WELL LOCATION (LATITUDE)	32° 29' 6.27"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,834.15 feet above MSL
ELEV BOTTOM OF WELL CASING	5,014.15 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,014.15 feet above MSL
ELEV OF TOP OF SCREENED INT	5,034.15 feet above MSL
SURVEYED ELEV OF CASING TOP	5,161.62 feet above

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-47A
WELL LOCATION (LONGITUDE)	106° 28' 1.33"
WELL LOCATION (LATITUDE)	32° 28' 26.72"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/21/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,310.93 feet above MSL
ELEV BOTTOM OF WELL CASING	3,311.13 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,311.13 feet above MSL
ELEV OF TOP OF SCREENED INT	3,331.13 feet above MSL
SURVEYED ELEV OF CASING TOP	4,494.93 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-48
WELL LOCATION (LONGITUDE)	106° 28' 56.57"
WELL LOCATION (LATITUDE)	32° 25' 37.51"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,242.41 feet above MSL
ELEV BOTTOM OF WELL CASING	4,247.41 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,247.41 feet above MSL
ELEV OF TOP OF SCREENED INT	4,267.41 feet above MSL
SURVEYED ELEV OF CASING TOP	4,409.63 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-49
WELL LOCATION (LONGITUDE)	106° 29' 9.64"
WELL LOCATION (LATITUDE)	32° 25' 7.67"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/12/2001
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	3,991.85 feet above MSL
ELEV BOTTOM OF WELL CASING	3,992.85 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,992.85 feet above MSL
ELEV OF TOP OF SCREENED INT	4,022.85 feet above MSL
SURVEYED ELEV OF CASING TOP	4,414.13 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-50
WELL LOCATION (LONGITUDE)	106° 27' 31.4"
WELL LOCATION (LATITUDE)	32° 28' 33.32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/13/2002
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Bailed
ELEV BOTTOM OF BOREHOLE	3,846.45 feet above MSL
ELEV BOTTOM OF WELL CASING	3,850.05 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,850.05 feet above MSL
ELEV OF TOP OF SCREENED INT	3,880.05 feet above MSL
SURVEYED ELEV OF CASING TOP	4,368.24 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-51
WELL LOCATION (LONGITUDE)	106° 29' 1.41"
WELL LOCATION (LATITUDE)	32° 29' 0.61"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/24/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,692.23 feet above MSL
ELEV BOTTOM OF WELL CASING	4,692.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,692.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,712.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,837.23 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 1
WELL LOCATION (LONGITUDE)	106° 30' 17"
WELL LOCATION (LATITUDE)	32° 28' 4"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/3/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,859.16 feet above MSL
ELEV BOTTOM OF WELL CASING	4,863.16 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,868.16 feet above MSL
ELEV OF TOP OF SCREENED INT	4,888.16 feet above MSL
SURVEYED ELEV OF CASING TOP	5,045.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 2
WELL LOCATION (LONGITUDE)	106° 30' 9"
WELL LOCATION (LATITUDE)	32° 28' 0"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/03/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,890.99 feet above MSL
ELEV BOTTOM OF WELL CASING	4,893.99 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,898.99 feet above MSL
ELEV OF TOP OF SCREENED INT	4,917.99 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.37 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-WINDMILL
WELL LOCATION (LONGITUDE)	106° 50' 52"
WELL LOCATION (LATITUDE)	32° 28' 24"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unknown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	BONNEY SPRING MINE WINDMILL
WELL LOCATION (LONGITUDE)	106° 29' 11"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	4,978 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5,041 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR1A
WELL LOCATION (LONGITUDE)	106° 26' 32"
WELL LOCATION (LATITUDE)	32° 29' 02"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unkown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR2
WELL LOCATION (LONGITUDE)	106° 26' 44"
WELL LOCATION (LATITUDE)	32° 28' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	September 1960
DRILLING METHOD	Cable tool
INNER CASING DIAMETER	8 inches to 608 feet, 6 inches to 747 feet
BOREHOLE DIAMETER	10 inches to 612 feet, 8 inches to 747 feet
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,440.71 feet above MSL
ELEV BOTTOM OF WELL CASING	3,449.71 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,196.71 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR3
WELL LOCATION (LONGITUDE)	106° 25' 11"
WELL LOCATION (LATITUDE)	32° 31' 04"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	January 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches to 1,000 feet
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,170.73 feet above MSL
ELEV BOTTOM OF WELL CASING	3,180.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,180.73 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR4
WELL LOCATION (LONGITUDE)	106° 27' 13"
WELL LOCATION (LATITUDE)	32° 27' 35"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	December 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	12 1/4 inches to 450 feet, 7 7/8 inches to total
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,145.83 feet above MSL
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,161.83 feet above MSL

APPENDIX I

Analytical Results from Severn Trent Services Laboratory for
Ground-Water Samples Collected January 9 and 10, 2007

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

White Sands HTA
SDG: HTA-23
Lot #s: D7A120296

Richard Daddow

U.S. Geological Survey

STL DENVER

Mary Dawson
Project Manager

January 31, 2007

Case Narrative
HTA-23

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Sample Receiving

Thirty samples were received under chain of custody on January 12, 2007 and logged under lot D7A120296. This lot is reported here under SDG HTA-23.

Samples logged under lot D7A120296 were received at temperatures of 2.9°C, 2.8°C, 2.9°C, 1.4°C, 3.7°C, and 3.4°C.

LC/MS – Perchlorate, SW846 8321A

Sample D7A120296-001 and samples -003 through -030 were analyzed at a dilution due to high concentrations of target and/or non target analytes. The reporting limits have been adjusted accordingly.

The MS/MSD associated with batch 7015153 was performed on sample D7A120296-005 and was in control.

The MS/MSD associated with batch 7015161 was performed on sample D7A120296-021 and was in control.

HPLC – Explosives, SW846 8330

Samples D7A120296-005, 006, 008, 012, and 013 were analyzed at a dilution due to high concentrations of target compounds in the samples. The reporting limits have been adjusted accordingly. Due to the dilutions made, the surrogate recovery for samples -008 and -013 could not be calculated. The extracts were diluted beyond the ability to quantitate a recovery.

The RPD between the primary and confirmation columns exceeded the 40% for RDX in samples D7A120296-001, -015, and for 2, 4-Dinitrotoluene in sample -017. The lower of the two results is reported. The results in the analytical report have been flagged "COL".

The MS/MSD associated with batch 7015121 was performed on sample D7A120296-005 and was not in control. Recoveries of 1,3-Dinotrobenzene, 2,4-Dinitrotoluene, and 2,6-Dinitrotoluene and the RPD values were outside the established control limits high. Matrix interference is evident. The parent sample was analyzed at a dilution due to high concentrations of target analytes. All other QC was in control, therefore; the laboratory took no further corrective action.

The Continuing Calibration Verification (CCV) standard associated with samples D7A120296-001 through -017 and batch 7015121 exhibited % Difference (% D) values

out of range for 4-Nitrotoluene. The overall mean %D is within control limits; therefore, method criteria have been met and no corrective action is necessary.

General Chemistry, EPA 353.2

Samples D7A120296-003, 005 through 009, 012, 013, 016, 018, and 022 were analyzed at a dilution for nitrate+nitrite due to high analyte levels. The associated sample data are flagged "Q" and the reporting limits are adjusted accordingly.

The method 353.2 MS/MSD analysis was performed on sample D7A120296-005 and was in control for nitrate+nitrite.

All other MS/MSD analyses were performed on samples from other clients and/or lots and were in control.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of regent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried throughout he entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative to the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low level standards in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, ie., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
a	Spiked analyte recovery is outside control limits.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
DIL	The concentration is estimated or not reported due to dilution.
E	Estimated result. Result concentrations exceeds the calibration range.
G	Inorganics: Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
ND	The analyte was not detected at the MDL concentration and with a measurable degree of confidence can be said not to be present at or above the RL concentration.
p	Relative percent difference (RPD) is outside stated control limits.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
V	General Chemistry: Elevated reporting limit due to limited sample volume.
Wa	Post digestion spike recovery fell between 40-85% due to matrix interference.
Wb	Post digestion spike recovery fell between 115-150% due to matrix interference.
I	Percent recovery is estimated since the results exceeded the calibration range.
T1	A tentatively identified compound that did not generate a spectral match of 80% or greater. Typically called "unknown"
T2	A tentatively identified compound with a spectral match of 80% or better
T3	A tentatively identified compound that was calibrated for by the lab, but not on the client target analyte list.
IC	Diluted due to high inorganic chloride.

EXECUTIVE SUMMARY - Detection Highlights

D7A120296

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-27 01/09/07 11:45 001				
RDX	0.053	0.20	ug/L	SW846 8330
	Qualifiers: J,COL			
Perchlorate	53	4.0	ug/L	SW846 8321A
Nitrate-Nitrite	0.77	0.10	mg/L	MCAWW 353.2
HTA-22 01/10/07 09:40 003				
Perchlorate	1200	400	ug/L	SW846 8321A
Nitrate-Nitrite	7.4 Q	0.50	mg/L	MCAWW 353.2
HTA-23 01/10/07 10:50 004				
Perchlorate	120	20	ug/L	SW846 8321A
Nitrate-Nitrite	1.2	0.10	mg/L	MCAWW 353.2
HTA-14 01/09/07 13:20 005				
HMX	0.44	0.40	ug/L	SW846 8330
RDX	38	0.40	ug/L	SW846 8330
Perchlorate	8000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	8.3 Q	0.50	mg/L	MCAWW 353.2
HTA-14-2 01/09/07 13:25 006				
RDX	41	0.40	ug/L	SW846 8330
Perchlorate	7000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	8.4 Q	0.50	mg/L	MCAWW 353.2
HTA-32 01/10/07 15:25 007				
Perchlorate	340	40	ug/L	SW846 8321A
Nitrate-Nitrite	8.1 Q	0.50	mg/L	MCAWW 353.2
HTA-20 01/10/07 11:35 008				
HMX	0.52 J	1.0	ug/L	SW846 8330
RDX	51	1.0	ug/L	SW846 8330
Perchlorate	17000	2000	ug/L	SW846 8321A
Nitrate-Nitrite	8.7 Q	0.50	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D7A120296

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-19 01/09/07 15:20 009				
RDX	0.24	0.20	ug/L	SW846 8330
Perchlorate	8800	1000	ug/L	SW846 8321A
Nitrate-Nitrite	21 Q	1.0	mg/L	MCAWW 353.2
HTA-23-2 01/10/07 10:55 010				
Perchlorate	130	20	ug/L	SW846 8321A
Nitrate-Nitrite	1.3	0.10	mg/L	MCAWW 353.2
HTA-12 01/09/07 12:00 011				
Perchlorate	6.0	2.0	ug/L	SW846 8321A
Nitrate-Nitrite	2.0	0.10	mg/L	MCAWW 353.2
HTA-16 01/09/07 15:10 012				
HMX	0.47	0.40	ug/L	SW846 8330
RDX	33	0.40	ug/L	SW846 8330
Perchlorate	17000	2000	ug/L	SW846 8321A
Nitrate-Nitrite	9.8 Q	0.50	mg/L	MCAWW 353.2
HTA-11 01/09/07 14:10 013				
HMX	0.63 J	1.0	ug/L	SW846 8330
RDX	68	1.0	ug/L	SW846 8330
Perchlorate	11000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
HTA-24 01/09/07 10:35 014				
RDX	3.9	0.20	ug/L	SW846 8330
Perchlorate	14	2.0	ug/L	SW846 8321A
HTA-26 01/10/07 14:30 015				
RDX	1.5 COL	0.20	ug/L	SW846 8330
Perchlorate	760	100	ug/L	SW846 8321A
Nitrate-Nitrite	4.8	0.10	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D7A120296

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-25 01/10/07 12:20 016				
RDX	4.4	0.20	ug/L	SW846 8330
Perchlorate	14000	1000	ug/L	SW846 8321A
Nitrate-Nitrite	8.4 Q	0.50	mg/L	MCAWW 353.2
HTA-46 01/10/07 12:50 017				
2,4-Dinitrotoluene	0.14	0.20	ug/L	SW846 8330
	Qualifiers: J,COL			
RDX	5.8	0.20	ug/L	SW846 8330
HTA-28 01/10/07 15:35 018				
Perchlorate	1100	200	ug/L	SW846 8321A
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
HTA-4 01/10/07 16:25 019				
Perchlorate	20	2.0	ug/L	SW846 8321A
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
HTA-31 01/10/07 16:45 020				
Perchlorate	8.3	2.0	ug/L	SW846 8321A
Nitrate-Nitrite	3.4	0.10	mg/L	MCAWW 353.2
HTA-3 01/10/07 13:20 021				
Perchlorate	2.3	1.0	ug/L	SW846 8321A
Nitrate-Nitrite	2.6	0.10	mg/L	MCAWW 353.2
HTA-18 01/09/07 17:10 022				
Perchlorate	3500	400	ug/L	SW846 8321A
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
HTA-50 01/10/07 09:55 024				
Perchlorate	2.3	1.0	ug/L	SW846 8321A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D7A120296

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR1A 01/10/07 09:05 025				
Perchlorate	1.0 J	2.0	ug/L	SW846 8321A
HTA-42 01/10/07 11:25 026				
Perchlorate	4.6	2.0	ug/L	SW846 8321A
HTA-45 01/09/07 13:50 027				
Perchlorate	3.3	2.0	ug/L	SW846 8321A
HTA-51 01/09/07 14:35 028				
Perchlorate	37	4.0	ug/L	SW846 8321A
HTA-43 01/09/07 15:40 029				
Perchlorate	44	4.0	ug/L	SW846 8321A
HTA-33 01/10/07 14:25 030				
Perchlorate	0.93 J	2.0	ug/L	SW846 8321A

METHODS SUMMARY

D7A120296

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
LCMS by 8321A	SW846 8321A	SW846 8321A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330	SW846 3535

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D7A120296

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 353.2	Claire Likar	004382
MCAWW 353.2	Duane Allee	001470
SW846 8321A	Andrew Meyer	003649
SW846 8330	Carrie Lahr	008835

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D7A120296

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMR7K	001	HTA-27	01/09/07	11:45
JMR92	002	HTA-27-EB	01/09/07	12:25
JMR95	003	HTA-22	01/10/07	09:40
JMTAA	004	HTA-23	01/10/07	10:50
JMTAC	005	HTA-14	01/09/07	13:20
JMTAF	006	HTA-14-2	01/09/07	13:25
JMTCP	007	HTA-32	01/10/07	15:25
JMTCQ	008	HTA-20	01/10/07	11:35
JMTCR	009	HTA-19	01/09/07	15:20
JMTCT	010	HTA-23-2	01/10/07	10:55
JMTCW	011	HTA-12	01/09/07	12:00
JMTCX	012	HTA-16	01/09/07	15:10
JMTC0	013	HTA-11	01/09/07	14:10
JMTC1	014	HTA-24	01/09/07	10:35
JMTC3	015	HTA-26	01/10/07	14:30
JMTC6	016	HTA-25	01/10/07	12:20
JMTC7	017	HTA-46	01/10/07	12:50
JMTDA	018	HTA-28	01/10/07	15:35
JMTDG	019	HTA-4	01/10/07	16:25
JMTDL	020	HTA-31	01/10/07	16:45
JMTDN	021	HTA-3	01/10/07	13:20
JMTDT	022	HTA-18	01/09/07	17:10
JMTDX	023	HTA-34	01/09/07	11:05
JMTD0	024	HTA-50	01/10/07	09:55
JMTD2	025	SMR1A	01/10/07	09:05
JMTD8	026	HTA-42	01/10/07	11:25
JMTEA	027	HTA-45	01/09/07	13:50
JMTEE	028	HTA-51	01/09/07	14:35
JMTEF	029	HTA-43	01/09/07	15:40
JMTEH	030	HTA-33	01/10/07	14:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...:	D7A120296-001	**Work Order #...:**	JMR7K1AC	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 11:45	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	13:39		
Dilution Factor:	20				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**53**	**4.0**	**ug/L**	**0.54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27-EB

HPLC

Lot-Sample #...: D7A120296-002 **Work Order #...:** JMR921AC **Matrix.....:** WATER
Date Sampled...: 01/09/07 12:25 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/15/07
Prep Batch #...: 7015153 **Analysis Time..:** 13:55
Dilution Factor: 1
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.20	ug/L	0.027

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...:	D7A120296-003	**Work Order #...:**	JMR951AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 09:40	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	14:12		
Dilution Factor:	2000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1200**	**400**	**ug/L**	**54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...:	D7A120296-004	**Work Order #...:**	JMTAA1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 10:50	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	14:29		
Dilution Factor:	100				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**120**	**20**	**ug/L**	**2.7**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7A120296-005 **Work Order #...:** JMTAC1AC **Matrix.....:** WATER
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/15/07
Prep Batch #...: 7015153 **Analysis Time..:** 14:46
Dilution Factor: 5000
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8000**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14-2

HPLC

Lot-Sample #...: D7A120296-006 **Work Order #...:** JMTAF1AC **Matrix.....:** WATER
Date Sampled...: 01/09/07 13:25 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015153 **Analysis Time..:** 08:53
Dilution Factor: 5000
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7000**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...:	D7A120296-007	**Work Order #...:**	JMTCP1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 15:25	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015153	**Analysis Time..:**	09:09		
Dilution Factor:	200				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**340**	**40**	**ug/L**	**5.4**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...:	D7A120296-008	**Work Order #...:**	JMTCQ1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 11:35	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	16:26		
Dilution Factor:	10000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**17000**	**2000**	**ug/L**	**270**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...:	D7A120296-009	**Work Order #...:**	JMTCR1AC	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 15:20	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	16:43		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8800**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23-2

HPLC

Lot-Sample #...:	D7A120296-010	**Work Order #...:**	JMTCT1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 10:55	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015153	**Analysis Time..:**	09:26		
Dilution Factor:	100				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**130**	**20**	**ug/L**	**2.7**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...:	D7A120296-011	**Work Order #...:**	JMTCW1AC	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 12:00	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015153	**Analysis Time..:**	09:43		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**6.0**	**2.0**	**ug/L**	**0.27**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...:	D7A120296-012	**Work Order #...:**	JMTCX1AC	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 15:10	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	17:33		
Dilution Factor:	10000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**17000**	**2000**	**ug/L**	**270**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...:	D7A120296-013	Work Order #...:	JMTC01AC	Matrix.....:	WATER
Date Sampled...:	01/09/07 14:10	Date Received..:	01/12/07		
Prep Date.....:	01/15/07	Analysis Date..:	01/15/07		
Prep Batch #...:	7015153	Analysis Time..:	17:50		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	11000	1000	ug/L	140

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7A120296-014 **Work Order #...:** JMTC11AC **Matrix.....:** WATER
Date Sampled...: 01/09/07 10:35 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015153 **Analysis Time..:** 10:00
Dilution Factor: 10
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**14**	**2.0**	**ug/L**	**0.27**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...:	D7A120296-015	**Work Order #...:**	JMTC31AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 14:30	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	18:41		
Dilution Factor:	500				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**760**	**100**	**ug/L**	**14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...:	D7A120296-016	**Work Order #...:**	JMTC61AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 12:20	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	18:57		
Dilution Factor:	5000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**14000**	**1000**	**ug/L**	**140**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7A120296-017 **Work Order #...:** JMTC71AA **Matrix.....:** WATER
Date Sampled...: 01/10/07 12:50 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015153 **Analysis Time..:** 10:16
Dilution Factor: 5
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	1.0	ug/L	0.14

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

HPLC

Lot-Sample #...:	D7A120296-018	**Work Order #...:**	JMTDA1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 15:35	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	19:31		
Dilution Factor:	1000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100**	**200**	**ug/L**	**27**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

HPLC

Lot-Sample #...:	D7A120296-019	**Work Order #...:**	JMTDG1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 16:25	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/15/07		
Prep Batch #...:	7015153	**Analysis Time..:**	19:48		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**20**	**2.0**	**ug/L**	**0.27**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

HPLC

Lot-Sample #...:	D7A120296-020	**Work Order #...:**	JMTDL1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 16:45	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015153	**Analysis Time..:**	10:33		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8.3**	**2.0**	**ug/L**	**0.27**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

HPLC

Lot-Sample #...:	D7A120296-021	**Work Order #...:**	JMTDN1AC	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 13:20	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	11:40		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.3**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

HPLC

Lot-Sample #...:	D7A120296-022	**Work Order #...:**	JMTDT1AC	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 17:10	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	12:30		
Dilution Factor:	2000				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3500**	**400**	**ug/L**	**54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

HPLC

Lot-Sample #...:	D7A120296-023	**Work Order #...:**	JMTDX1AA	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 11:05	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	15:34		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	2.0	ug/L	0.27

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

HPLC

Lot-Sample #...:	D7A120296-024	**Work Order #...:**	JMTD01AA	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 09:55	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	13:20		
Dilution Factor:	5				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.3**	**1.0**	**ug/L**	**0.14**

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...: D7A120296-025	**Work Order #...:** JMTD21AA	**Matrix.....:** WATER	
Date Sampled...: 01/10/07 09:05	**Date Received..:** 01/12/07		
Prep Date.....: 01/15/07	**Analysis Date..:** 01/16/07		
Prep Batch #...: 7015161	**Analysis Time..:** 15:51		
Dilution Factor: 10			
	Method.....: SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.0 J**	**2.0**	**ug/L**	**0.27**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

HPLC

Lot-Sample #...:	D7A120296-026	Work Order #...:	JMTD81AA	Matrix.....:	WATER
Date Sampled...:	01/10/07 11:25	Date Received..:	01/12/07		
Prep Date.....:	01/15/07	Analysis Date..:	01/16/07		
Prep Batch #...:	7015161	Analysis Time..:	13:54		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	4.6	2.0	ug/L	0.27

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

HPLC

Lot-Sample #...:	D7A120296-027	Work Order #...:	JMTEA1AA	Matrix.....:	WATER
Date Sampled...:	01/09/07 13:50	Date Received..:	01/12/07		
Prep Date.....:	01/15/07	Analysis Date..:	01/16/07		
Prep Batch #...:	7015161	Analysis Time..:	14:11		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	3.3	2.0	ug/L	0.27

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

HPLC

Lot-Sample #...:	D7A120296-028	**Work Order #...:**	JMTEE1AA	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 14:35	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	14:27		
Dilution Factor:	20				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**37**	**4.0**	**ug/L**	**0.54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...:	D7A120296-029	**Work Order #...:**	JMTEF1AA	**Matrix.....:**	WATER
Date Sampled...:	01/09/07 15:40	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	14:44		
Dilution Factor:	20				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**44**	**4.0**	**ug/L**	**0.54**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

HPLC

Lot-Sample #...:	D7A120296-030	**Work Order #...:**	JMTEH1AA	**Matrix.....:**	WATER
Date Sampled...:	01/10/07 14:25	**Date Received..:**	01/12/07		
Prep Date.....:	01/15/07	**Analysis Date..:**	01/16/07		
Prep Batch #...:	7015161	**Analysis Time..:**	16:08		
Dilution Factor:	10				
		Method.....:	SW846 8321A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.93 J**	**2.0**	**ug/L**	**0.27**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7A120296-001 **Work Order #...:** JMR7K1AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 11:45 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015121 **Analysis Time..:** 19:59
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**0.053 J,COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27-EB

HPLC

Lot-Sample #...: D7A120296-002 **Work Order #...:** JMR921AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 12:25 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015121 **Analysis Time..:** 20:35
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...: D7A120296-003 **Work Order #...:** JMR951AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 09:40 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015121 **Analysis Time..:** 21:11
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...: D7A120296-004 **Work Order #...:** JMTAA1AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 10:50 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015121 **Analysis Time..:** 21:47
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7A120296-005 **Work Order #...:** JMTAC1AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 11:13
Dilution Factor: 2
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.44**	**0.40**	**ug/L**	**0.18**
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**38**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	79	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14-2

HPLC

Lot-Sample #...: D7A120296-006 **Work Order #...:** JMTAF1AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 13:25 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 13:01
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	ND	0.40	ug/L	0.18
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**41**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...: D7A120296-007 **Work Order #...:** JMTCP1AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 15:25 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 00:47
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...: D7A120296-008 **Work Order #...:** JMTCQ1AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 11:35 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 13:37
Dilution Factor: 5
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**0.52 J**	**1.0**	**ug/L**	**0.44**
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**51**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...: D7A120296-009 **Work Order #...:** JMTCR1AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 15:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 02:35
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**0.24**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23-2

HPLC

Lot-Sample #...: D7A120296-010 **Work Order #...:** JMTCT1AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 10:55 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 03:11
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...: D7A120296-011 **Work Order #...:** JMTCW1AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 12:00 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 03:47
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...: D7A120296-012 **Work Order #...:** JMTCX1AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 15:10 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 14:13
Dilution Factor: 2
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.47**	**0.40**	**ug/L**	**0.18**
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**33**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	101	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...: D7A120296-013 **Work Order #...:** JMTC01AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 14:10 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 14:49
Dilution Factor: 5
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**0.63 J**	**1.0**	**ug/L**	**0.44**
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**68**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7A120296-014 **Work Order #...:** JMTC11AD **Matrix.....:** WATER
Date Sampled...: 01/09/07 10:35 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 05:35
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**3.9**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...: D7A120296-015 **Work Order #...:** JMTC31AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 14:30 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 06:11
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**1.5 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...: D7A120296-016 **Work Order #...:** JMTC61AD **Matrix.....:** WATER
Date Sampled...: 01/10/07 12:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 06:47
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**4.4**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7A120296-017 **Work Order #...:** JMTC71AC **Matrix.....:** WATER
Date Sampled...: 01/10/07 12:50 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 07:23
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	**0.14 J,COL**	**0.20**	**ug/L**	**0.084**
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**5.8**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	101	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

General Chemistry

Lot-Sample #...: D7A120296-001 **Work Order #...:** JMR7K **Matrix.....:** WATER
Date Sampled...: 01/09/07 11:45 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**0.77**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27-EB

General Chemistry

Lot-Sample #...: D7A120296-002 **Work Order #...:** JMR92 **Matrix.....:** WATER
Date Sampled...: 01/09/07 12:25 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	01/24/07	7025481

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

General Chemistry

Lot-Sample #...: D7A120296-003 **Work Order #...:** JMR95 **Matrix.....:** WATER
Date Sampled...: 01/10/07 09:40 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**7.4 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**
	Dilution Factor: 5			Analysis Time..: 16:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

General Chemistry

Lot-Sample #...: D7A120296-004 **Work Order #...:** JMTAA **Matrix.....:** WATER
Date Sampled...: 01/10/07 10:50 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**1.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

General Chemistry

Lot-Sample #...: D7A120296-005 **Work Order #...:** JMTAC **Matrix.....:** WATER
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.3 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14-2

General Chemistry

Lot-Sample #...: D7A120296-006 **Work Order #...:** JMTAF **Matrix.....:** WATER
Date Sampled...: 01/09/07 13:25 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.4 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**
	Dilution Factor: 5			Analysis Time..: 16:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

General Chemistry

Lot-Sample #...: D7A120296-007 **Work Order #...:** JMTCP **Matrix.....:** WATER
Date Sampled...: 01/10/07 15:25 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.1 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

General Chemistry

Lot-Sample #...: D7A120296-008 **Work Order #...:** JMTCQ **Matrix.....:** WATER
Date Sampled...: 01/10/07 11:35 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.7 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

General Chemistry

Lot-Sample #...: D7A120296-009 **Work Order #...:** JMTCR **Matrix.....:** WATER
Date Sampled...: 01/09/07 15:20 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**21 Q**	**1.0**	**mg/L**	**MCAWW 353.2**	**01/30/07**	**7031270**
	Dilution Factor: 10			Analysis Time..: 18:00	MDL.....: 0.19	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23-2

General Chemistry

Lot-Sample #...: D7A120296-010 **Work Order #...:** JMTCT **Matrix.....:** WATER
Date Sampled...: 01/10/07 10:55 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**1.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**
	Dilution Factor: 1			Analysis Time..: 16:00	MDL.....: 0.019	

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

General Chemistry

Lot-Sample #...: D7A120296-011 **Work Order #...:** JMTCW **Matrix.....:** WATER
Date Sampled...: 01/09/07 12:00 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**2.0**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

General Chemistry

Lot-Sample #...: D7A120296-012 **Work Order #...:** JMTCX **Matrix.....:** WATER
Date Sampled...: 01/09/07 15:10 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**9.8 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

General Chemistry

Lot-Sample #...: D7A120296-013 **Work Order #...:** JMTC0 **Matrix.....:** WATER
Date Sampled...: 01/09/07 14:10 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

General Chemistry

Lot-Sample #...: D7A120296-014 **Work Order #...:** JMTC1 **Matrix.....:** WATER
Date Sampled...: 01/09/07 10:35 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	01/24/07	7025481

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

General Chemistry

Lot-Sample #...: D7A120296-015 **Work Order #...:** JMTC3 **Matrix.....:** WATER
Date Sampled...: 01/10/07 14:30 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**4.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

General Chemistry

Lot-Sample #...: D7A120296-016 **Work Order #...:** JMTC6 **Matrix.....:** WATER
Date Sampled...: 01/10/07 12:20 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.4 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

General Chemistry

Lot-Sample #...: D7A120296-018 **Work Order #...:** JMTDA **Matrix.....:** WATER
Date Sampled...: 01/10/07 15:35 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 5 Analysis Time..: 16:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

General Chemistry

Lot-Sample #...: D7A120296-019 **Work Order #...:** JMTDG **Matrix.....:** WATER
Date Sampled...: 01/10/07 16:25 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/24/07**	**7025481**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

General Chemistry

Lot-Sample #...: D7A120296-020 **Work Order #...:** JMTDL **Matrix.....:** WATER
Date Sampled...: 01/10/07 16:45 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**3.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/30/07**	**7031270**
	Dilution Factor: 1			Analysis Time..: 18:00	MDL.....: 0.019	

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

General Chemistry

Lot-Sample #...: D7A120296-021 **Work Order #...:** JMTDN **Matrix.....:** WATER
Date Sampled...: 01/10/07 13:20 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**2.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**01/30/07**	**7031270**

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

General Chemistry

Lot-Sample #...: D7A120296-022 **Work Order #...:** JMTDT **Matrix.....:** WATER
Date Sampled...: 01/09/07 17:10 **Date Received..:** 01/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**01/30/07**	**7031270**

Dilution Factor: 5 Analysis Time..: 18:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

APPENDIX II

Laboratory Quality Assurance / Quality Control Results

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:

Jamar Bynum, USGS-WRD, Hydrologic Technician February 27, 2007

Data Inventory

1.1 Sample project numbers: Severn Trent No's. D7A120296

1.2 Operable unit and site: Open Burn/Open Detonation (OB/OD) Unit, Hazardous Test Area (HTA) site

1.3 Sample collection date: January 9 and 10, 2007

Sample locations (location IDs): HTA3, HTA4, HTA11, HTA12, HTA14, HTA16, HTA18 through HTA20, HTA22 through HTA28, HTA31 through HTA34, HTA42, HTA43, HTA45, HTA46, HTA50, HTA51, SMR1A,; HTA14-2 and HTA23-2 are field duplicate samples, and HTA27-EB is an equipment blank.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	**number**	**Type**	**number**
environmental	27	MS/MSD	1 pair
field duplicate	2	trip blank	0
equipment blank	1	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Name of reviewer(s) and review date: Jamar Bynum February 27, 2007

Laboratory Data Reports

2.1 Analytical Results Report--report date: January 31, 2007

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No _____

(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √ No _____

	Explosives	Metals	General Chem.	Perchlorate SW8321A
requested:	20	0	26	32
analyzed:	20	0	26	32

2.5 List cancelled analyses on cancelled-data worksheet: none

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab? 1.4 – 3.7 °C at Severn Trent

2.8 Additional comments:

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table II-1), the resulting data from the January 9 and 10, 2007, sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of explosives (Method SW8330), nitrate-nitrite (MCAWW353.2), and perchlorate, (SW8321A).

Table II-1. Data validation worksheet table for January 9 and 10, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

	Analyte and Method		
Data Validation Parameters	**Explosives SW8330**	**Nitrate-Nitrite MCAWW353.2**	**Perchlorate SW8321A**
Holding times **Met**	7 days to extract, 40-days from extraction to analysis ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	%R varies for surrogates ☐ Yes ☑ No, see notes	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes	Acceptable RPD ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	< 3 x Reporting Limit (RL) ☑ Yes ☐ No, see notes	≤ Reporting Limit ☑ Yes ☐ No, see notes	< Reporting Limit ☑ Yes ☐ No, see notes
Lab Control Samples **Met**	%R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within acceptable limits ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	< RL except for common lab contaminants, then < 5 x RL ☑ Yes ☐ No, see notes	< 2 x RL ☑ Yes ☐ No, see notes	Below RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	Met various %R and RPD requirements ☐ Yes ☑ No, see notes	Met various %R and RPD requirements ☑ Yes ☐ No, see notes	Met %R and RPD requirements ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	None.	Samples from wells HTA11, HTA14, HTA16, HTA18, HTA19, HTA20, HTA22, HTA25, HTA28, and HTA32 had elevated reporting limits due to high analyte levels.	None.

Table II-2. Data validation worksheet table for January 9 and 10, 2007, sampling round at HTA- notes.

Analyte and Method:	Notes of Data Validation Parameters:
Explosives SW8330	-Surrogate spikes for HTA11 and HTA20 were not calculated due to dilution of the sample or the presence of large, interfering analyte concentrations. -RPD for matrix spike samples were outside stated control limits.
Nitrate-Nitrite MCAWW353.2	-none
Perchlorate SW8321A	-none

Appendix A -- Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality-control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-data reports prepared by the reporting laboratory to: (1) check that the laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994b, USEPA contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05-01, Document number PB94-963502, 42 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

COPY FOR YOUR INFORMATION

Laboratory SDG No: HTA-23

CONTRACT LABORATORY DATA-REVIEW WORKSHEET

1.0 GENERAL INFORMATION Laboratory SDG Number: HTA-23

Data reviewer: Jeanne Hatcher Review date: 2-7-07

Office, Project, & Account #: New Mexico White Sands HTA 86369KY11

Lots in SDG: D7A120296

2.0 DATA DELIVERABLES

Date of Lab analytical report: 1-31-07 Number of copies: bound 1 unbound 1

No. of CD copies of raw-data report: 1 Remarks:

Raw-data report reviewed? Yes ___ No X Electronic data files on CD? Yes X No ___

EDD file format: QWDATA X STL QUA08 X ERPIMS ___ Other ___

Date rec'd data deliverables: 2-2-07 Date sent deliverables to USGS office 2/4/07

Data deliverables sent to USGS Office by FedEx: X or by regular mail: ___

3.0 INVOICE STATUS FOR SDG: OK Invoice copy attached X

4.0 SAMPLE INFORMATION *(Page #'s listed in this worksheet refer to lab analytical report)*

Sample collection date(s): 1-9-07 - 1-10-07 Sample matrix: Water

No. of sample types in lot: Environmental 30 Trip blank ___ Equip. blank ___

MS/MSD 2 Other: ___

Date samples received at laboratory: 1-12-07

4.1 Were accelerated turn-around times (TATs) requested for analyses? Yes ___ No X

If yes, list TAT period and if completed: ___

4.2 Were analyses on chain-of-custody (COC) form performed by lab? YES X NO ___

If **no**, list missing or cancelled analyses and reason for non-performance: ___

4.3 Were the samples properly preserved, labeled, no lab log-in problems, and(or) at appropriate temperature (<6 deg. C) upon receipt by the laboratory: Yes X No ___

If **no**, list sample/lab IDs and associated problems or reference lab report case narrative:

Laboratory SDG No: HTA-23

4.4 Were preparation (extraction) and(or) analysis holding times met? Yes X No ___

If **no**, list analytical methods and sample/lab IDs for samples that exceeded holding-time limits:

4.5 Did surrogate recoveries meet QC acceptance criteria? Yes X No ___ NA ___

If **no**, list methods, surrogates, associated sample/lab IDs, lab report page #s:

Due to the dilutions made, the surrogate recovery for -008 and -013 could not be calculated, See case narrative p. 2

4.6 Were dilution factors greater than 1 for ***organic*** analyses? Yes X No ___ NA ___

If **yes**, list analytical methods and reason for raised dilution factors:

high-analyte levels X matrix interferences ___ other ___

methods: Perchlorate 8321A, Explosives 8330

4.7 Were dilution factors greater than 1 for **inorganic** analyses? Yes X No ___ NA ___

If **yes**, list analytical methods and reason for raised dilution factors:

high-analyte levels X matrix interferences ___ other ___

Method 353.2

4.8 Additional comments about sample analyses:

Laboratory SDG No: HTA-23

5.0 QUALITY CONTROL (QC) ANALYSES and RESULTS

5.1 Were any target analytes detected in the **Laboratory Method Blanks**? Yes ____ No X

If **yes**, list method, analytes, prep batch #, report page #s,: _____

5.2 Did lab control samples (LCS/LSCD) meet percent recoveries (%R) criteria? Yes X No ____

If **no**, list method, analytes, LCS/LSCD, prep batch #, report page #s, _____

5.3 Did the **MS/MSD** results meet %R or RPD acceptance criteria? Yes ____ No X NA ____

Note: matrix spike and matrix spike duplicate (MS/MSD) data are used to evaluate the effect of sample matrix on the analytical process and should be only used in conjunction with other available lab QC data. In some cases, MS samples not directly associated with this lot may be used by the laboratory.

If **no**, list method; analytes; MS, MSD or RPD; and lab report page #:

Explosives 8330 1,3 Dinitrobenzene, MS p.97 associated MS lot # yes X no ____

" " 2,4 Dinitrotoluene, MS, p.97 associated MS lot # yes X no ____

" " 2,6 Dinitrotoluene, MS p.97 associated MS lot # yes X no ____

" " HMX, RPD p.97 associated MS lot # yes X no ____

No MS results reported for method(s): _____

5.4 Did the **lab-sample duplicate** results meet RPD acceptance criteria? Yes ___ No ___ NA X

If **no**, list method, analytes, prep batch #, report page #s, _____

5.5 Additional comments about QC results: See p. 2 and 3 of case narrative.

Laboratory SDG No: HTA-23

6.0 ANALYTICAL METHODS USED in this LABORATORY SDG NUMBER

____ VOCs by GC/MS--method 8260B/ 524.2 *[water (W) or solids (S) analysis holding-time (HT) of 14 days]*

____ Gasoline Range Organics (GRO)+BTEX-method 8015M(GRO)/ 8021 *[W and S: analysis HT 14 days]*

____ Diesel Range Organics-method 8015M-DRO *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

____ Pesticides by GC--method 8081A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

____ PCBs by GC--method 8082 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ Pesticides by GC--method 8141A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

____ Herbicides by GC--method 8151A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ SVOCs by GC/MS--method 8270C *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ Dioxins and Furans--methods 8280/ 8290 *[W and S: prep HT 30 days; analysis HT 45 days]*

____ PAHs by HPLC method 8310 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

X Explosives by HPLC method 8330 or 8321A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

____ Hexane extractable materials (HEM and SGT-HEM)-method 1664/ 9071B *[W/S: analysis HT 28 days]*

____ Total organic carbon (TOC) or DOC--methods 415.1 or 9060 *[W: analysis HT 28 days]*

X Perchlorate--methods 314.0 or 8321A LC/MS/MS or LC-00024 IC/MS/MS *[W: analysis HT 28 days]*

____ Metals by ICP--method 6010B or 200.7 *[W and S: analysis HT 180 days]*

____ Metals by ICP/MS--method 6020 or 200.8 *[W and S: analysis HT 180 days]*

____ Metals by GFAA methods *[W and S: analysis HT 180 days]*: _____

____ Mercury by CVAA--method 7470A (W) and 7471A (S) *[W and S: analysis HT 28 days]*

____ Inorganic anions-method 300/ 9056 *[W: analysis HT **48 hours**-* NO_2, NO_3, ortho-P; *HT 28 days--*Br,Cl ,F, SO_4*]*

____ Total dissolved solids (TDS)--method 160.1 and(or) TSS--method 160.2 *[W: analysis HT 7 days]*

____ Alkalinity--method 310.1 (Total, OH, HCO_3, and CO_3) *[W: analysis HT 14 days]*

____ Nitrogen, ammonia--method 350.1 *[W: analysis HT 28 days]*

____ Nitrogen, TKN--method 351.2 *[W: analysis HT 28 days]*

X Nitrogen, nitrate + nitrite--method 353.2 *[W: analysis HT 28 days]* NO_3 or NO_2 only *[HT **48 hours**]*

____ Nitrogen, nitrite--method 353.2 or 354.1 *[W: analysis HT **48 hours**]*

____ Phosphorus-method 365.3 and ortho P by 365.3 *[Phosphorus: W: analysis HT 28 days, ortho P **48 hours**]*

____ Phosphorus-method 365.1 and ortho P by 365.1 *[Phosphorus: W: analysis HT 28 days, ortho P **48 hours**]*

____ Cyanide, total, dissolved, or amenable--methods 9012A/ 335.4 *[W and S: analysis HT 14 days]*

____ Moisture content--methods D2216 or 160.3M

____ BOD--method 405.1 ***(HT 48 hours)*** or COD--method 410.4

____ Turbidity--method 180.1 ***(HT 48 hours)*** ; Hardness 2340B

____ Physical properties: pH--method 150.1; specific conductance—method 120.1

____ Other analyses: _____

_____

QC DATA ASSOCIATION SUMMARY

D7A120296

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
002	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
003	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
004	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
005	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
006	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
007	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
008	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
009	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7031270	7031149
	WATER	SW846 8321A		7015153	7015095
010	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
011	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D7A120296

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
013	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
014	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
015	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
016	WATER	SW846 8330		7015121	7015072
	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
017	WATER	SW846 8330		7015121	7015072
	WATER	SW846 8321A		7015153	7015095
018	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
019	WATER	MCAWW 353.2		7025481	7025304
	WATER	SW846 8321A		7015153	7015095
020	WATER	MCAWW 353.2		7031270	7031149
	WATER	SW846 8321A		7015153	7015095
021	WATER	MCAWW 353.2		7031270	7031149
	WATER	SW846 8321A		7015161	7015099
022	WATER	MCAWW 353.2		7031270	7031149
	WATER	SW846 8321A		7015161	7015099
023	WATER	SW846 8321A		7015161	7015099
024	WATER	SW846 8321A		7015161	7015099

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D7A120296

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
025	WATER	SW846 8321A		7015161	7015099
026	WATER	SW846 8321A		7015161	7015099
027	WATER	SW846 8321A		7015161	7015099
028	WATER	SW846 8321A		7015161	7015099
029	WATER	SW846 8321A		7015161	7015099
030	WATER	SW846 8321A		7015161	7015099

METHOD BLANK REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVML1AA **Matrix.....:** WATER
MB Lot-Sample #: R7A150000-153

Prep Date.....: 01/15/07 **Analysis Time..:** 13:05
Analysis Date..: 01/15/07 **Prep Batch #...:** 7015153
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.20	ug/L	SW846 8321A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVQH1AA **Matrix.....:** WATER
MB Lot-Sample #: R7A150000-161

Prep Date.....: 01/15/07 **Analysis Time..:** 11:07
Analysis Date..: 01/16/07 **Prep Batch #...:** 7015161
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.20	ug/L	SW846 8321A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVML1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7A150000-153
Prep Date.....: 01/15/07 **Analysis Date..:** 01/15/07
Prep Batch #...: 7015153 **Analysis Time..:** 13:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**101**	**(70 - 130)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVML1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7A150000-153
Prep Date.....: 01/15/07 **Analysis Date..:** 01/15/07
Prep Batch #...: 7015153 **Analysis Time..:** 13:22
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**1.00**	**1.01**	**ug/L**	**101**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVQH1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7A150000-161
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015161 **Analysis Time..:** 11:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**115**	**(70 - 130)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVQH1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7A150000-161
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015161 **Analysis Time..:** 11:23
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**1.00**	**1.15**	**ug/L**	**115**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTAC1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-005 JMTAC1AH-MSD
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/15/07
Prep Batch #...: 7015153 **Analysis Time..:** 15:03
Dilution Factor: 5000

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**94**	**(70 - 130)**			**SW846 8321A**
	91	**(70 - 130)**	**1.2**	**(0-20)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTAC1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-005 JMTAC1AH-MSD
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/15/07
Prep Batch #...: 7015153 **Analysis Time..:** 15:03
Dilution Factor: 5000

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**8000**	**5000**	**12700**	**ug/L**	**94**		**SW846 8321A**
	8000	**5000**	**12500**	**ug/L**	**91**	**1.2**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTDN1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-021 JMTDN1AE-MSD
Date Sampled...: 01/10/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015161 **Analysis Time..:** 11:57
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**92**	**(70 - 130)**			**SW846 8321A**
	89	**(70 - 130)**	**2.5**	**(0-20)**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTDN1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-021 JMTDN1AE-MSD
Date Sampled...: 01/10/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015161 **Analysis Time..:** 11:57
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**2.3**	**5.00**	**6.85**	**ug/L**	**92**		**SW846 8321A**
	2.3	**5.00**	**6.69**	**ug/L**	**89**	**2.5**	**SW846 8321A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVGX1AA **Matrix.....:** WATER
MB Lot-Sample #: D7A150000-121

Prep Date.....: 01/15/07 **Analysis Time..:** 17:35
Analysis Date..: 01/16/07 **Prep Batch #...:** 7015121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Nitrotoluene	ND	0.40	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVGX1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7A150000-121 JMVGX1AD-LCSD
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015121 **Analysis Time..:** 18:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**100**	**(75 - 115)**			**SW846 8330**
	100	**(75 - 115)**	**0.050**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**84**	**(57 - 115)**			**SW846 8330**
	84	**(57 - 115)**	**0.53**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**96**	**(78 - 115)**			**SW846 8330**
	96	**(78 - 115)**	**0.67**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**95**	**(75 - 115)**			**SW846 8330**
	93	**(75 - 115)**	**2.0**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**93**	**(77 - 115)**			**SW846 8330**
	95	**(77 - 115)**	**2.3**	**(0-20)**	**SW846 8330**
HMX	**90**	**(78 - 115)**			**SW846 8330**
	91	**(78 - 115)**	**1.5**	**(0-26)**	**SW846 8330**
Nitrobenzene	**80**	**(51 - 115)**			**SW846 8330**
	81	**(51 - 115)**	**1.6**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**71**	**(35 - 115)**			**SW846 8330**
	75	**(35 - 115)**	**5.6**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**80**	**(30 - 115)**			**SW846 8330**
	90	**(30 - 115)**	**11**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**88**	**(40 - 115)**			**SW846 8330**
	88	**(40 - 115)**	**0.28**	**(0-44)**	**SW846 8330**
RDX	**92**	**(69 - 118)**			**SW846 8330**
	91	**(69 - 118)**	**1.5**	**(0-37)**	**SW846 8330**
Tetryl	**90**	**(69 - 127)**			**SW846 8330**
	90	**(69 - 127)**	**0.50**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**99**	**(73 - 122)**			**SW846 8330**
	101	**(73 - 122)**	**2.0**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**92**	**(73 - 116)**			**SW846 8330**
	93	**(73 - 116)**	**0.97**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	100	(75 - 118)
	103	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMVGX1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7A150000-121 JMVGX1AD-LCSD
Prep Date.....: 01/15/07 **Analysis Date..:** 01/16/07
Prep Batch #...: 7015121 **Analysis Time..:** 18:11
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**2.00**	**ug/L**	**100**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**0.050**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.69**	**ug/L**	**84**		**SW846 8330**
	2.00	**1.68**	**ug/L**	**84**	**0.53**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.91**	**ug/L**	**96**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**0.67**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.86**	**ug/L**	**93**	**2.0**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.86**	**ug/L**	**93**		**SW846 8330**
	2.00	**1.90**	**ug/L**	**95**	**2.3**	**SW846 8330**
HMX	**2.00**	**1.80**	**ug/L**	**90**		**SW846 8330**
	2.00	**1.83**	**ug/L**	**91**	**1.5**	**SW846 8330**
Nitrobenzene	**2.00**	**1.59**	**ug/L**	**80**		**SW846 8330**
	2.00	**1.62**	**ug/L**	**81**	**1.6**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.42**	**ug/L**	**71**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**75**	**5.6**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.61**	**ug/L**	**80**		**SW846 8330**
	2.00	**1.80**	**ug/L**	**90**	**11**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.76**	**ug/L**	**88**		**SW846 8330**
	2.00	**1.75**	**ug/L**	**88**	**0.28**	**SW846 8330**
RDX	**2.00**	**1.85**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.82**	**ug/L**	**91**	**1.5**	**SW846 8330**
Tetryl	**2.00**	**1.80**	**ug/L**	**90**		**SW846 8330**
	2.00	**1.80**	**ug/L**	**90**	**0.50**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**2.02**	**ug/L**	**101**	**2.0**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.84**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.86**	**ug/L**	**93**	**0.97**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	100	(75 - 118)
	103	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTAC1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-005 JMTAC1AK-MSD
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 11:49
Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	81	(75 - 115)			SW846 8330
	93	(75 - 115)	15	(0-18)	SW846 8330
4-Amino-2,6-dinitrotoluene	67	(57 - 115)			SW846 8330
	76	(57 - 115)	13	(0-22)	SW846 8330
1,3-Dinitrobenzene	74 a	(78 - 115)			SW846 8330
	86	(78 - 115)	16	(0-19)	SW846 8330
2,4-Dinitrotoluene	70 a	(75 - 115)			SW846 8330
	85	(75 - 115)	21	(0-21)	SW846 8330
2,6-Dinitrotoluene	71 a	(77 - 115)			SW846 8330
	87 p	(77 - 115)	21	(0-20)	SW846 8330
HMX	84	(78 - 115)			SW846 8330
	85	(78 - 115)	1.9	(0-26)	SW846 8330
Nitrobenzene	63	(51 - 115)			SW846 8330
	81	(51 - 115)	26	(0-32)	SW846 8330
2-Nitrotoluene	52	(35 - 115)			SW846 8330
	73	(35 - 115)	35	(0-43)	SW846 8330
3-Nitrotoluene	60	(30 - 115)			SW846 8330
	72	(30 - 115)	18	(0-74)	SW846 8330
4-Nitrotoluene	59	(40 - 115)			SW846 8330
	80	(40 - 115)	31	(0-44)	SW846 8330
RDX	118	(69 - 118)			SW846 8330
	96	(69 - 118)	1.0	(0-37)	SW846 8330
Tetryl	73	(69 - 127)			SW846 8330
	78	(69 - 127)	7.1	(0-24)	SW846 8330
1,3,5-Trinitrobenzene	92	(73 - 122)			SW846 8330
	100	(73 - 122)	8.6	(0-21)	SW846 8330
2,4,6-Trinitrotoluene	74	(73 - 116)			SW846 8330
	84	(73 - 116)	13	(0-19)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	81	(75 - 118)
	89	(75 - 118)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTAC1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-005 JMTAC1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTAC1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-005 JMTAC1AK-MSD
Date Sampled...: 01/09/07 13:20 **Date Received..:** 01/12/07
Prep Date.....: 01/15/07 **Analysis Date..:** 01/17/07
Prep Batch #...: 7015121 **Analysis Time..:** 11:49
Dilution Factor: 2

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	1.96	1.59	ug/L	81		SW846 8330
	ND	1.98	1.84	ug/L	93	15	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	1.96	1.32	ug/L	67		SW846 8330
	ND	1.98	1.51	ug/L	76	13	SW846 8330
1,3-Dinitrobenzene	ND	1.96	1.45	ug/L	74 a		SW846 8330
	ND	1.98	1.70	ug/L	86	16	SW846 8330
2,4-Dinitrotoluene	ND	1.96	1.37	ug/L	70 a		SW846 8330
	ND	1.98	1.69	ug/L	85	21	SW846 8330
2,6-Dinitrotoluene	ND	1.96	1.40	ug/L	71 a		SW846 8330
	ND	1.98	1.72	ug/L	87 p	21	SW846 8330
HMX	0.44	1.96	2.09	ug/L	84		SW846 8330
	0.44	1.98	2.13	ug/L	85	1.9	SW846 8330
Nitrobenzene	ND	1.96	1.24	ug/L	63		SW846 8330
	ND	1.98	1.61	ug/L	81	26	SW846 8330
2-Nitrotoluene	ND	1.96	1.01	ug/L	52		SW846 8330
	ND	1.98	1.44	ug/L	73	35	SW846 8330
3-Nitrotoluene	ND	1.96	1.19	ug/L	60		SW846 8330
	ND	1.98	1.42	ug/L	72	18	SW846 8330
4-Nitrotoluene	ND	1.96	1.15	ug/L	59		SW846 8330
	ND	1.98	1.58	ug/L	80	31	SW846 8330
RDX	38	1.96	40.0	ug/L	118		SW846 8330
	38	1.98	39.5	ug/L	96	1.0	SW846 8330
Tetryl	ND	1.96	1.43	ug/L	73		SW846 8330
	ND	1.98	1.54	ug/L	78	7.1	SW846 8330
1,3,5-Trinitrobenzene	ND	1.96	1.81	ug/L	92		SW846 8330
	ND	1.98	1.98	ug/L	100	8.6	SW846 8330
2,4,6-Trinitrotoluene	ND	1.96	1.46	ug/L	74		SW846 8330
	ND	1.98	1.66	ug/L	84	13	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	81	(75 - 118)
	89	(75 - 118)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D7A120296 **Work Order #...:** JMTAC1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7A120296-005 JMTAC1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7A120296 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		Work Order #: JNEWG1AA		MB Lot-Sample #:	D7A250000-481	
	ND	0.10	mg/L	MCAWW 353.2	01/24/07	7025481
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Nitrate-Nitrite		Work Order #: JNM0J1AA		MB Lot-Sample #:	D7A310000-270	
	ND	0.10	mg/L	MCAWW 353.2	01/30/07	7031270
		Dilution Factor: 1				
		Analysis Time..: 18:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7A120296 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:JNEWG1AC-LCS/JNEWG1AD-LCSD LCS Lot-Sample#: D7A250000-481					
	91	(90 - 112)			MCAWW 353.2	01/24/07	7025481
	91	(90 - 112)	0.13	(0-10)	MCAWW 353.2	01/24/07	7025481
		Dilution Factor: 1			Analysis Time..: 16:00		
Nitrate-Nitrite		WO#:JNM0J1AC-LCS/JNM0J1AD-LCSD LCS Lot-Sample#: D7A310000-270					
	105	(90 - 112)			MCAWW 353.2	01/30/07	7031270
	106	(90 - 112)	1.5	(0-10)	MCAWW 353.2	01/30/07	7031270
		Dilution Factor: 1			Analysis Time..: 18:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7A120296 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite			WO#:JNEWG1AC-LCS/JNEWG1AD-LCSD	LCS Lot-Sample#: D7A250000-481				
	4.00	3.65	mg/L	91		MCAWW 353.2	01/24/07	7025481
	4.00	3.66	mg/L	91	0.13	MCAWW 353.2	01/24/07	7025481
			Dilution Factor: 1			Analysis Time..: 16:00		
Nitrate-Nitrite			WO#:JNM0J1AC-LCS/JNM0J1AD-LCSD	LCS Lot-Sample#: D7A310000-270				
	4.00	4.19	mg/L	105		MCAWW 353.2	01/30/07	7031270
	4.00	4.26	mg/L	106	1.5	MCAWW 353.2	01/30/07	7031270
			Dilution Factor: 1			Analysis Time..: 18:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7A120296 **Matrix.....:** WATER
Date Sampled...: 01/22/07 17:18 **Date Received..:** 01/24/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#: JMTAC1AE-MS/JMTAC1AF-MSD				MS Lot-Sample #: D7A120296-005	
	87	(72 - 113)			MCAWW 353.2	01/24/07	7025481
	89	(72 - 113)	1.2	(0-17)	MCAWW 353.2	01/24/07	7025481
		Dilution Factor: 1					
		Analysis Time..: 16:00					
Nitrate-Nitrite		WO#: JMX671AP-MS/JMX671AQ-MSD				MS Lot-Sample #: D7A170163-007	
	91	(72 - 113)			MCAWW 353.2	01/24/07	7025481
	95	(72 - 113)	4.3	(0-17)	MCAWW 353.2	01/24/07	7025481
		Dilution Factor: 1					
		Analysis Time..: 16:00					
Nitrate-Nitrite		WO#: JM9V81CF-MS/JM9V81CG-MSD				MS Lot-Sample #: D7A240143-001	
	94	(72 - 113)			MCAWW 353.2	01/30/07	7031270
	92	(72 - 113)	0.96	(0-17)	MCAWW 353.2	01/30/07	7031270
		Dilution Factor: 1					
		Analysis Time..: 18:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7A120296 **Matrix.....:** WATER
Date Sampled...: 01/22/07 17:18 **Date Received..:** 01/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite			WO#: JMTAC1AE-MS/JMTAC1AF-MSD				MS Lot-Sample #: D7A120296-005		
	8.3	20.0	25.7	mg/L	87		MCAWW 353.2	01/24/07	7025481
	8.3	20.0	26.0	mg/L	89	1.2	MCAWW 353.2	01/24/07	7025481
			Dilution Factor: 1						
			Analysis Time..: 16:00						
Nitrate-Nitrite			WO#: JMX671AP-MS/JMX671AQ-MSD				MS Lot-Sample #: D7A170163-007		
	0.074	4.00	3.71	mg/L	91		MCAWW 353.2	01/24/07	7025481
	0.074	4.00	3.87	mg/L	95	4.3	MCAWW 353.2	01/24/07	7025481
			Dilution Factor: 1						
			Analysis Time..: 16:00						
Nitrate-Nitrite			WO#: JM9V81CF-MS/JM9V81CG-MSD				MS Lot-Sample #: D7A240143-001		
	0.75	4.00	4.49	mg/L	94		MCAWW 353.2	01/30/07	7031270
	0.75	4.00	4.45	mg/L	92	0.96	MCAWW 353.2	01/30/07	7031270
			Dilution Factor: 1						
			Analysis Time..: 18:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

FedEx Tracking Number
858677727310
Phone
Company
Dept./Floor/Suite/Room
Address
State
ZIP
ur Internal Billing Reference

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

D7A120296

oject Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT | Seal Number: 589401

Delivered to Shipper by: FRED GEBHARDT | Airbill Number: 8586 7772 7310

Sampling Status: [x] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/9/07	1145	HTA-27	WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	
"	1235	HTA-27-EB	"	3	" " "	
1/10/07	0940	HTA-22	"	3	" " "	
"	1050	HTA-23	"	3	" " "	

Additional Comments: GROUP ALL SAMPLES FROM HTA/BMR, 1/9-1/10/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	1/11/07	1200
	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No

Condition of Contents

Contents Temperature

Laboratory Project Number

March 2007

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

2.8 M 1-12-07 I-12,

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader: Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT

Seal Number: 420337

Delivered to Shipper by: FRED GEBHARDT

Airbill Number: 8586 7772 7310

Sampling Status: ☑ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/9/07	1320	HTA-14	WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	
"	1325	HTA-14-2	"	"	" " "	
"	1330	HTA-14-MS	"	"	" " "	MATRIX SPIKE
"	1335	HTA-14-MSD	"	"	" " "	MATRIX SPIKE DUPLICATE

Additional Comments: GROUP ALL SAMPLES FROM HTA/SMR, 1/9-1/10/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	1/11/07	1200
[signature]	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: ☐ Yes ☐ No

Condition of Contents

Contents Temperature

Laboratory Project Number

2.40
14
1-18-07
IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 343926
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 8586 7772 7310
Sampling Status: ☑ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/10/07	1525	HTA-32	WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	
"	1135	HTA-20	"	"	" " "	
1/9/07	1520	HTA-19	"	"	" " "	
1/10/07	1055	HTA-23-2	"	"	" " "	

Additional Comments: GROUP ALL SAMPLES FROM HTA/SMR, 1/9-1/10/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	1/11/07	1200
	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: ☐ Yes ☐ No
Condition of Contents
Contents Temperature
Laboratory Project Number

1.40c
1.12-02
172

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

oject Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 535664
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 8536 7772 7310
Sampling Status: ☑ ~~Done~~ ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/9/07	1200	HTA-12	WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	
"	1510	HTA-16	"	4	" " "	
"	1410	HTA-11	"	4	" " "	
"	1035	HTA-24	"	"	" " "	

Additional Comments: CANCEL ALL SAMPLES FROM HTA/SMR, 1/9-1/10/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	1/11/07	1200
[signature]	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: ☐ Yes ☐ No
Condition of Contents
Contents Temperature
Laboratory Project Number

3.70c
1.12.07
.21

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 535644
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 8536 7772 7310
Sampling Status: [x] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/10/07	1430	HTA-26	WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and SW8321A (perchlorate)	
"	1220	HTA-25	"	3	" " "	
"	1250	HTA-46	"	2	SW8330, SW8321A	
"	1535	HTA-28	"	2	E353.2, SW8321A	

Additional Comments: GROUP ALL SAMPLES COLLECTED AT HTA FROM 1/9 - 1/11

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	1/11/07	1200
	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

March 2007

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader: Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 555654

Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 8536 7772 7310

Sampling Status: [x] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/10/07	1625	HTA-4	WATER	2	E353.2 (NO_2 + NO_3), ~~SW8330 (Explosives by HPLC)~~, and SW8321A (perchlorate)	
"	1645	HTA-31	"	2	" "	
"	1320	HTA-3	"	2	" "	
1/9/07	1710	HTA-18	"	2	" "	
"	1105	HTA-34	"	1	SW8321A	
1/10/07	0955	HTA-50	"	1	" "	

Additional Comments: GROUP ALL SAMPLES FROM HTA, 1/9 - 1/10/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FLEX	1/11/07	1200
	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No

Condition of Contents

Contents Temperature

Laboratory Project Number

3.40c
1.12.07
.DL

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 535654
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 8586 7772 7310
Sampling Status: ☑ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
1/10/07	0705	STA1A	WATER	1	~~E353.2 (NO3+NO2-N)~~ NO_3), ~~SW8330 (explosives by HPLC)~~, and SW8321A (perchlorate)	
"	1135	HTA-42	"	1	" "	
1/9/07	1350	HTA-45	"	1	" "	
"	1435	HTA-51	"	1	" "	
"	1540	HTA-43	"	1	" "	
1/10/07	1425	HTA-33	"	1	" "	

Additional Comments
GROUP ALL SAMPLES FROM HTA/STA, 1/9-1/10/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
	FEDEX	1/11/07	1200
	[signature]	1/12/07	0915

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0176

Attention: Mary Dawson

Seal Intact upon Receipt ☐ Yes ☐ No
Condition of Contents
Contents Temperature
Laboratory Project Number

STL Denver

Sample Receiving Checklist

Lot #: D7A120296 Date/Time Received: 1/12/07 0915

Company Name & Sampling Site: USGS - WHITE SANDS - HTA

PM to Complete This Section:	*Yes*	*No*		*Yes*	*No*
Residual chlorine check required:	❑	❑	Quarantined :	❑	❑

Quote #: 24783

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s):	6								
Temperatures (°C):	2.9°	2.8	2.9°	1.4°	3.7°	3.4°			

N/A	*Yes*	*No*		*Initials*
❑	☑	❑	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	☑	❑	2. Chain of custody present? If no, document on CUR.	
	❑	☑	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	❑	☑	4. Multiphasic samples obvious? If yes, document on CUR.	
	☑	❑	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
❑	☑	❑	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☑	❑	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☑	❑	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☑	❑	❑	9. Were VOA samples without headspace? If no, document on CUR.	
☑	❑	❑	10. Were VOA vials preserved? Preservative ❑HCl ❑4±2°C ❑Sodium Thiosulfate ❑ Ascorbic Acid	
	❑	☑	11. Did samples require preservation with sodium thiosulfate?	
☑	❑	❑	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☑	❑	❑	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
❑	☑	❑	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☑	❑	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	❑	☑	16. Are analyses with short holding times requested?	
	❑	☑	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D7A120296

Login Checks:

N/A	Yes	No		Initials
	☑	☐	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	MB
☐	☑	☐	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☑	☐	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
☐	☑	☐	21. Were special log in instructions read and followed?	
☑	☐	☐	22. Were AFCEE metals logged for refrigerated storage?	
	☑	☐	23. Were tests logged checked against the COC? Which samples were confirmed? 1	
☑	☐	☐	24. Was a Rush form completed for quick TAT?	
☑	☐	☐	25. Was a Short Hold form completed for any short holds?	
	☐	☑	26. Is "Strict ICOC" required?	
	☐	☑	27. Were special archiving instructions indicated in the General Comments? If so, what were they?	

Labeling and Storage Checks:

				Initials
☑	☐	☐	28. Was the subcontract COC signed and sent with samples to bottle prep?	
/	☐	☐	29. Were sample labels double-checked by a second person?	
☐	☐	☐	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
/	☐	☐	31. Did the sample ID, Date, and Time from label match what was logged?	
☐	☐	☐	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
☐	☐	☐	33. Were AFCEE metals stored refrigerated?	
☐	☐	☐	34. Were "Strict ICOC" copies given to satellite storage areas?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

APPENDIX III

Container and Preservation Requirements

Field Data

Sample container and preservation requirements

Parameters and Methods	Bottle Size and Type	Preservatives
Explosive compounds, SW8330	32 oz. glass	None, Chilled
Nitrate plus Nitrite, MCAWW353.2	16 oz. glass	2 mL 50% Sulfuric Acid, pH<2, Chilled
Perchlorate, SW8321A	8 oz. polyethylene	None, Chilled

09 JANUARY 2007 (TUES)

FIELD CREW: FRED GEBHARDT, ANDREW ROBERTSON

0835 CALIBRATION FIELD METERS

pH (ORION 250 A+, S/N 0181397)
IN AUTO. CAL. MODE

INITIAL - 4.46, 7.33, 10.54
ADJ - 4.00, 7.07, 10.21
SLOPE - 100.4
STD TEMP - 5.1 °C

CONDUCTIVITY (ORION 130A, S/N 0675260)

STD - 1413 µS/cm EXP 02/07
INITIAL - 1.441 mS/cm @ 0.475
ADJUSTED - 1.413 mS/cm @ 0.469
STD T - 6.9°C

DO (YSI 550A S/N 05J1136AC)
ELEV - 5000', SALINITY 0.7 PPT

1-9-07

1000 ARRIVE AT WELL HTA-24, ~~WE~~ WL 70.80
THIS WELL WILL BE SAMPLED USING
A GRUNDFOS PUMP

TIME	VOL	TEMP	PH	COND (ms/cm)	DO
1018	INITIAL	16.6	7.15	975	3.32
1020	5	19.1	7.10	977	1.77
1024	10	19.6	7.10	976	0.94
1025	15	19.5	7.11	976	0.77
1032	20	20.1	7.10	976	0.67

1035 COLLECTED HTA-24

1110 ARRIVE AT WELL HTA-27. WL 103.88
THIS WELL WILL ALSO SAMPLED USING
A GRUNDFOS PUMP.

TIME	VOL	TEMP	PH	COND (us/cm)	DO
1122	INITIAL	14.5	7.17	320	5.05
1125	5	19.5	7.07	448	3.51
1128	10	19.5	7.07	456	3.15
1132	15	20.3	7.08	690	1.44
1139	20	21.7	7.05	717	0.82
1142	25	21.3	7.08	716	0.55

1145 COLLECTED HTA-27

1-9-07

1225 COLLECTED EQUIPMENT BLANK FROM THE GRUNDFOS PUMP HTA-27 EB

1245 ARRIVE AT WELL HTA-45 WL 79.80

TIME	VOL	TEMP	pH	COND (uS/cm)	DO
1300	INITIAL	20.5	7.12	723	5.24
1312	5	21.2	7.08	723	5.18
1323	10	21.3	7.08	722	5.26
1334	15	21.3	7.07	723	5.17
1345	20	21.3	7.06	723	5.16

1350 COLLECTED SAMPLE HTA-45

1405 ARRIVE AT WELL HTA-51. WL 87.18
THIS WELL WILL BE SAMPLED WITH A GRUNDFOS PUMP.

TIME	VOL.	TEMP	pH	COND	DO
1418	INITIAL	16.2	7.82	334	6.24
1421	5	21.5	6.89	813	4.31
1424	10	21.6	6.89	898	4.31
1428	15	21.8	6.89	925	4.26
1430	20	21.9	6.89	934	4.24

1435 COLLECTED SAMPLE HTA-51

1-9-07

1455 ARRIVE AT WELL HTA-43 WL. 73.84.

TIME	VOL	TEMP	PH	COND	DO
1504	INITIAL	21.0	7.16	865	5.25
1514	5	20.8	7.10	876	5.32
1523	10	20.9	7.10	877	5.31
1530	15	20.7	7.10	877	5.33
1540	20	20.6	7.11	877	5.32

1540 COLLECTED SAMPLE HTA-43

10 JANUARY 2007 (WED.)

0750 CALIBRATED SAME SET OF MEDIA AS 07 JAN 2007

pH - INITIAL - 3.91, 7.01 , , 10.30
ADJ 4.00, 7.07 10.22
SLOPE -
STD T -

CONDUCTIVITY
STD - 1413 µS/cm EXP 02/07
INITIAL - 1414 µS/cm @ 0464
ADJ - N/A @
STD T - 7.5°C

DO BLEW - 5000'
SALINITY - 0.7
51.4% 10.64 mg/L

1-10-07

0840 ARRIVE AT SMR1A, MET WITH ROBERT DIAZ OF WSMR.

VOL	TIME	TEMP	pH	COND (µS/cm)	DO
	0852	21.3	6.67	536	4.56
	0854	CHANGED FITTINGS			
INITIAL	0855	25.6	6.90	790	4.96
5	0857	26.1	6.94	757	4.78
10	0903	26.2	6.95	756	4.65

0905 COLLECTED SAMPLE SMR1A

0918 ARRIVE AT WELL HTA-5D. WL 500.32'

TIME	VOL	TEMP	pH	COND (µS/cm)	DO
0931	INITIAL	21.7	7.41	770	5.48
0937	5	25.2	7.13	763	3.76
0941	10	25.3	7.12	761	4.32
0946	15	25.4	7.11	761	4.56
0950	20	25.5	7.10	760	4.71

0955 SAMPLE COLLECTED HTA-5D

1/10/07

1025 ARRIVE AT WELL HTA-42. WL 68.29

TIME	VOL	TEMP	pH	COND	DO
1034	INITIAL	20.0	7.09	764	3.28
1047	5	20.5	7.03	765	2.80
1058	10	20.5	7.04	764	2.56
1111	15	20.3	7.04	765	2.59
1124	20	20.5	7.04	765	2.60

1125 COLLECTED SAMPLE HTA-42

1135 ARRIVE AT WELL HTA-46. WL 87.27

TIME	VOL	TEMP	pH	COND	DO
1144	INITIAL	19.1	7.25	833	2.60
		H_2S SMELL			
1201	5	20.3	7.17	855	0.12
1219	10	20.3	7.16	855	0.10
1234	15	20.3	7.16	854	0.07
1246	20	20.3	7.16	855	0.06

1250 COLLECTED SAMPLE HTA-46

1/10/07

1325 ARRIVE AT WELL HTA-33. WL 56.57

TIME	VOL	TEMP	pH	COND (µS/cm)	DO
1336	INITIAL	20.2	6.95	846	2.35
1347	5	19.9	6.89	844	1.84
1356	10	19.9	6.89	844	1.84
1410	15	19.8	6.90	845	1.82
1419	20	19.7	6.90	845	1.80

1425 COLLECTED SAMPLE HTA-33

1440 ARRIVE AT WELL HTA-32. WL 35.00

TIME	VOL	TEMP	pH	COND (µS/cm)	DO
1451	INITIAL	18.9	7.18	824	3.92
1457	5	19.6	7.11	842	3.98
1505	10	19.7	7.11	842	3.98
1513	15	19.7	7.11	843	3.98
1521	20	19.7	7.11	843	4.01

1525 COLLECTED SAMPLE HTA-32

1/10/07

1535 ARRIVE AT WELL HTA-4. WL 31.33

TIME	VOL	TEMP	pH	COND mS/cm	DO
1544	INITIAL	18.8	6.96	824	3.53
1553	5	19.5	6.92	821	3.43
1602	10	19.5	6.92	820	3.49
1610	15	19.5	6.92	820	3.46
1619	20	19.5	6.92	821	3.41

1625 COLLECTED SAMPLE HTA-4

1/9/07

0830- ARRIVE HTA

TEAM B- NATHAN MYERS
JEFF LANDMAN

METER CALIBRATION:

1) pH: ORION 250A+, SN 078141
STDS: NEW 4, 7, & 10 STDS FILLED BY STEVE
NO BOTTLE
4.0 INITAL= 4.07 ADJ= 4.00 ✓
7.0 " = 7.12 " = 7.08 ✓
10.0 " = " = 10.24 ✓ SLP= 100.7 ✓

2) COND: ORION 130A, SN 0607526/02
STD= 1413 µS/cm ORION 011007 12/06
INITAL= 1447 µS/cm
ADJ= 1413 µS/cm CELL: 0.459 ✓

3) DO: YSI 550A, SN 04B0256 AL
AUTO CAL AT 5600' AND 0.8 ppt ✓

1/9/07

HTA-34 WL = 42.63 BELOW TP (TOC)

TIME	GAS	TEMP °C	COND µS/cm	pH	DO mg/L
1000	<1	16.8	905	6.92	1.80
1015	5	18.5	908	7.00	0.11
	H_2S GAS				
1030	10	18.6	905	7.03	0.12
1045	15	18.6	901	7.07	0.07
1100	20	18.7	899	7.08	0.12

1105 COLLECTED EMW GW SAMPLE AT HTA-34
(1) PERCH SAMPLE

BLANK

1/9/07

HTA 12 well

Water Level = 68.06' BELOW MP(TOC)

TIME	GAL	°C TEMP	µS/cm COND	pH	mg/L DO
1120	<1	18.7	930	7.13	1.37
1130	5	19.3	937	7.11	0.63
1140	10	19.3	938	7.11	0.63
1147	15	19.3	938	7.11	0.58
1155	20	19.2	938	7.11	0.57

1200 COLLECTED ENV. GW SAMPLE AT HTA-12

HTA-14 WL = 99.48' BELOW MP/TOC)

TIME	GAL	°C TEMP	µS/cm COND	pH	mg/L DO
1215	<1	18.8	805	7.43	5.16
1230	5	19.3	799	7.28	4.78
1245	10	19.4	807	7.27	4.66
1300	15	19.5	814	7.27	5.00
1315	20	19.5	816	7.27	5.01

1320 COLLECTED ENV. GW SAMPLE AT HTA-14

1325 " DUPLICATE GW " " " 14-2

1330 " MATRIX SPIKE GW " " " 14-MS

1335 " MATRIX SPIKE DUPLICATE GW " " " 14-MSD

1/9/07

HTA-11 WL = 71.81' BELOW MP (TOC)

TIME	VOL GAS	°C TEMP	µS/cm COND	pH	mg/L DO
1340	<1	19.3	853	7.33	5.47
1350	5	19.5	844	7.30	5.45
1355	10	19.6	813	7.31	5.61
1400	15	19.6	805	7.31	5.70
1405	20	19.7	799	7.31	5.70

1410 COLLECTED ENV. GW AT HTA-11

HTA-16 WL = 89.24' BELOW MP (TOC)

TIME	GAS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1430	<1	20.7	922	7.49	5.67
1438	5	19.6	959	7.45	5.61
1445	10	19.5	959	7.46	5.52
1455	15	19.5	959	7.46	5.70
1505	20	19.6	960	7.46	5.75

1510 COLLECTED ENV. GW SAMPLE AT HTA-16

1/9/07

HTA-19 WL = 130.93' BELOW MP (TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1525	<1	19.1	963	7.46	4.57
1540	5	19.5	962	7.32	4.44
1555	10	19.5	962	7.32	5.07
1605	15	19.5	963	7.32	5.11
1615	20	19.4	962	7.33	5.11

1620 COLLECTED ENV. GW SAMPLE AT HTA-19

HTA-18 WL = 116.44' BELOW MP (TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1637	<1	18.1	857	7.50	5.33
1645	5	19.7	850	7.30	5.62
1655	10	19.7	849	7.28	5.76
1700	15	19.7	847	7.27	5.70
1705	20	19.7	847	~~7.28~~ 7.26	5.71

1710 COLLECTED ENV. GW SAMPLE AT HTA-18

END OF DAY

1/10/07

2ND DAY OF SAMPLING
TEAM B- NATHAN MYERS
JEFF LANGTON

0800- ARRIVE AT MTA
WELLS TO COMPLETE - 3, 20, 22, 23, 25, 26, 28, 31
20- COLLECT (1) EXTRA LITER FOR EARL
31- DO IF FINISH EARLY, CHECK WITH FRED

CALIBRATION: SAME STDS AS YESTERDAY

1) pH: AUTO 3-PT CAL WITH 4.0, 7.0, & 10.0
STDS= NEW, FILLED BY STEVE, CASE PORTABLE BOTTLES
4.0 ✓ ACCEPTED 7.0 ✓ 10.0 ✓
SLP= ~~HOT~~ 100.9
SAME METER: ORION 250A+, SN 018141

2) COND: ORION 130A, SN 0675 20/02
STD= 1413 µS/cm, 1-PT MANUAL CAL
INITIAL= 1410 ADJ= 1413 µS/cm CELL= 0.460

3) DO: YSI 550A, SN 04B0858 AL
AUTO CAL AT 5300' AND 0.8 APT ✓

1/10/07

HTA-22 WL= 95.57' BELOW MP(TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
0910	<1	17.9	817	6.56	4.40
0915	5	19.0	814	6.71	4.27
0925	10	19.1	814	6.84	4.20
0930	15	19.1	814	6.86	4.21
0935	20	19.1	814	6.92	4.25

0940 COLLECTED ENV. GW SAMPLE AT HTA-22

HTA-23 WL= 91.21' BELOW MP(TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1000	<1	19.1	706	7.14	2.45
1010	5	19.7	711	7.02	0.34
1023 ~~HTA~~	10	19.8	711	7.03	0.30
1035 ~~HTA~~	15	19.8	711	7.03	0.31
1045 ~~HTA~~	20	19.8	7.11	7.03	0.55

1050 ~~HTA~~ COLLECTED ENV GW SAMPLE AT HTA-23

1055 ~~HTA~~ " " GW DUPLICATE SAMPLE AT HTA-23(-2)

1/10/07

HTA-20

Water Level = 81.51' BELOW MP (TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1110	<1	19.1	946	7.06	4.21
1115	5	19.5	947	7.01	4.57
1120	10	19.5	947	7.01	4.56
1125	15	19.5	948	7.01	4.56
1130	20	19.4	948	7.01	4.55

1135 COLLECTED ENV. GW SAMPLE AT HTA-20
ALSO COLLECTED ADDITIONAL (1) LITER
FOR ERIC

HTA-25 WL = 87.25' BELOW MP (TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1150	<1	19.1	978	6.99	1.44
1200	5	19.6	984	6.99	0.75
1205	10	19.6	985	6.99	0.61
1210	15	19.6	985	6.98	0.42
1215	20	19.6	983	6.99	0.63

1220 COLLECTED ENV. GW SAMPLE AT HTA-25

1/10/07

HTA-3 HELO ~~20~~ 67 CUT 0.90 - 66.10' WL
METER = 625618.1 BELOW TOC

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1250	~~3~~	13.1	783	7.06	5.03
1300	SPIGOT	20.2	797	7.03	5.44
1305	OPEN:	20.4	794	7.03	5.25
1310	WILDLIFE	20.4	800	7.02	5.21
1315	OFFICE	20.5	807	7.02	5.18
1317	SAMPLE	20.5	807	7.02	5.20

1320 COLLECTED ENV. GW SAMPLE AT HTA-3
METER = 625777.8

HTA-26 101.25' BELOW MP (TOC)

TIME	GALS VOL	°C TEMP	µS/cm COND	pH	mg/L DO
1345	<1	20.8	844	7.09	0.61
1400	5	20.7	895	7.08	0.19
1407	10	20.6	895	7.07	0.14
1415	15	20.6	894	7.06	0.12
1425	20	20.6	895	7.05	0.13

1430 COLLECTED ENV. GW SAMPLE AT HTA-26

1/10/07

HTA-28 79.99' BELOW MP (TOC)

	GALS	°C	mS/cm		mg/L
TIME	VOL	TEMP	COND	pH	DO
1445	<1	19.5	817	7.11	4.40
1500	5	19.8	820	7.03	4.82
1510	10	19.7	821	7.01	4.83
1520	15	19.7	822	7.00	4.85
1530	20	19.7	821	7.01	4.89

1535 COLLECTED ENV. GW SAMPLE AT HTA-28

HTA-31 WL = 45.04' BELOW MP (TOC)

	GALS	°C	mS/cm		mg/L
TIME	VOL	TEMP	COND	pH	DO
1600	<1	18.2	911	7.10	3.63
1610	5	19.7	899	7.01	3.11
1620	10.	19.7	898	7.03	3.12
1630	~~20~~ 15	19.7	898	7.03	3.14
1640	20	19.7	898	7.03	3.14

1645 COLLECTED ENV. GW SAMPLE AT HTA-31

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of
Samples Collected July 9, 10, and 11, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
October 2007

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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HAT31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected July 9, 10, and 11, 2007. Wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31-34, 42, 43, 45, 46, 50, 51, and SMR1A (production well for the Small Missile Range) were sampled this round. Total explosives (method SW8330) were analyzed in ground-water samples from wells HTA11, 12, 14, 16, 19, 20, 22-27, 32, and 46. Nitrate plus nitrite (method MCAWW353.2) were analyzed in ground-water samples from wells HTA3, 4, 11, 12, 14, 16, 18-20, 22-28, 31, and 32. Perchlorate (method 8321A) was analyzed in ground-water samples from all the wells sampled. TestAmerica Laboratories (TAL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the July 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and 11)

show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12 through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the July 2007 sampling round are listed below:

Ground water from wells HTA11, HTA14, HTA16, and HTA20 showed the largest RDX concentrations, at 110 micrograms per liter (µg/L), 36 µg/L, 29 µg/L, and 58 µg/L, respectively (table 1). RDX concentrations in water from wells HTA19, HTA25, and HTA26, ranged from 0.20 µg/L (HTA19) to 2.1 µg/L (HTA25).

Ground water from well HTA19 continued to show the largest concentration of nitrate plus nitrite (21 mg/L) (fig. 17). Wells HTA11, HTA18, HTA19, HTA20, and HTA28 showed concentrations at or larger than 10 mg/L (table 1).

Ground water from wells HTA11, HTA16 and HTA20 show the largest concentrations of perchlorate, at 26 mg/L, 19 mg/L, and 25 mg/L, respectively. HTA11 showed the largest increase in perchlorate over the previous sampling round, going from 18 mg/L to 26 mg/L.

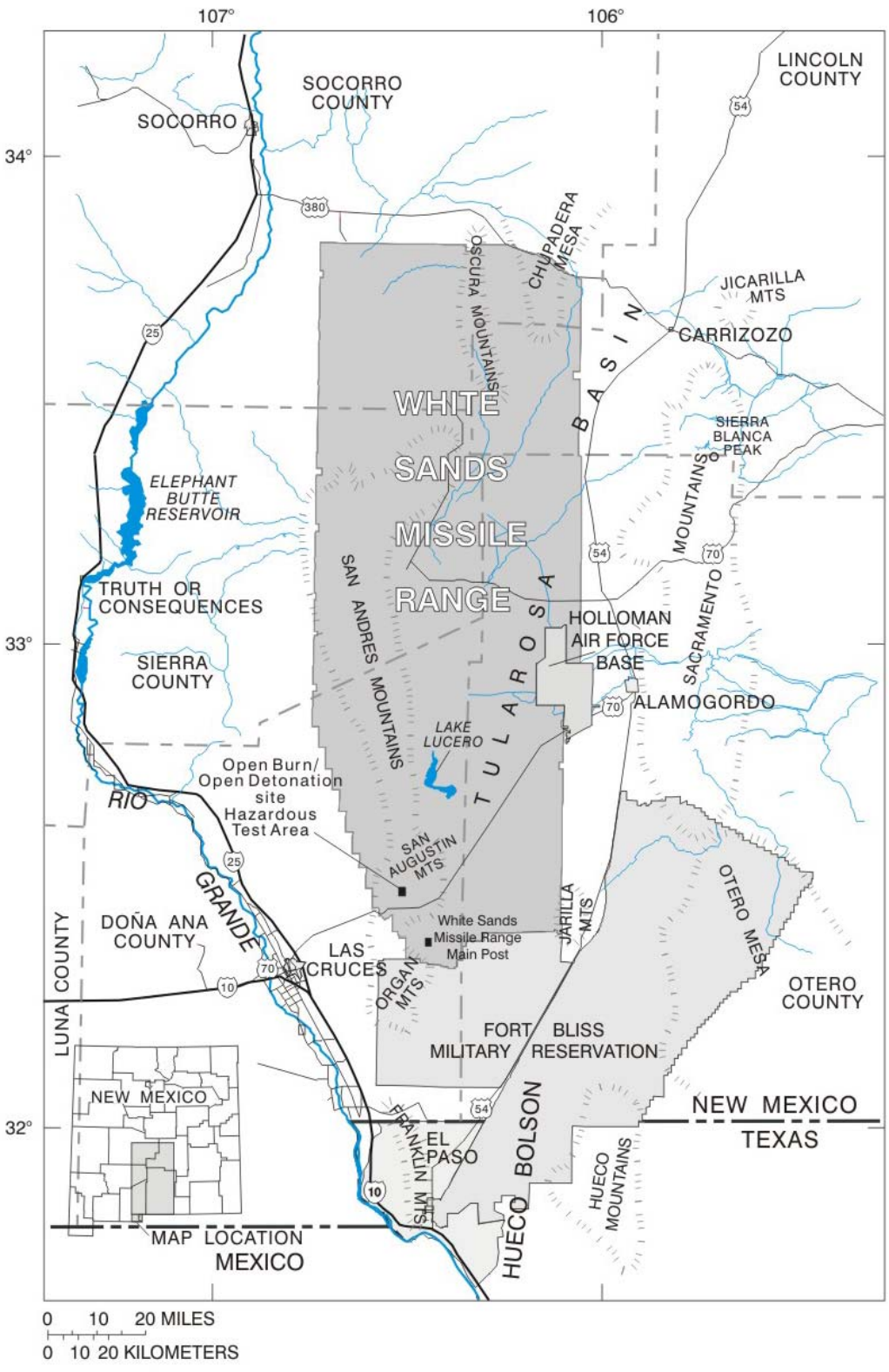

Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

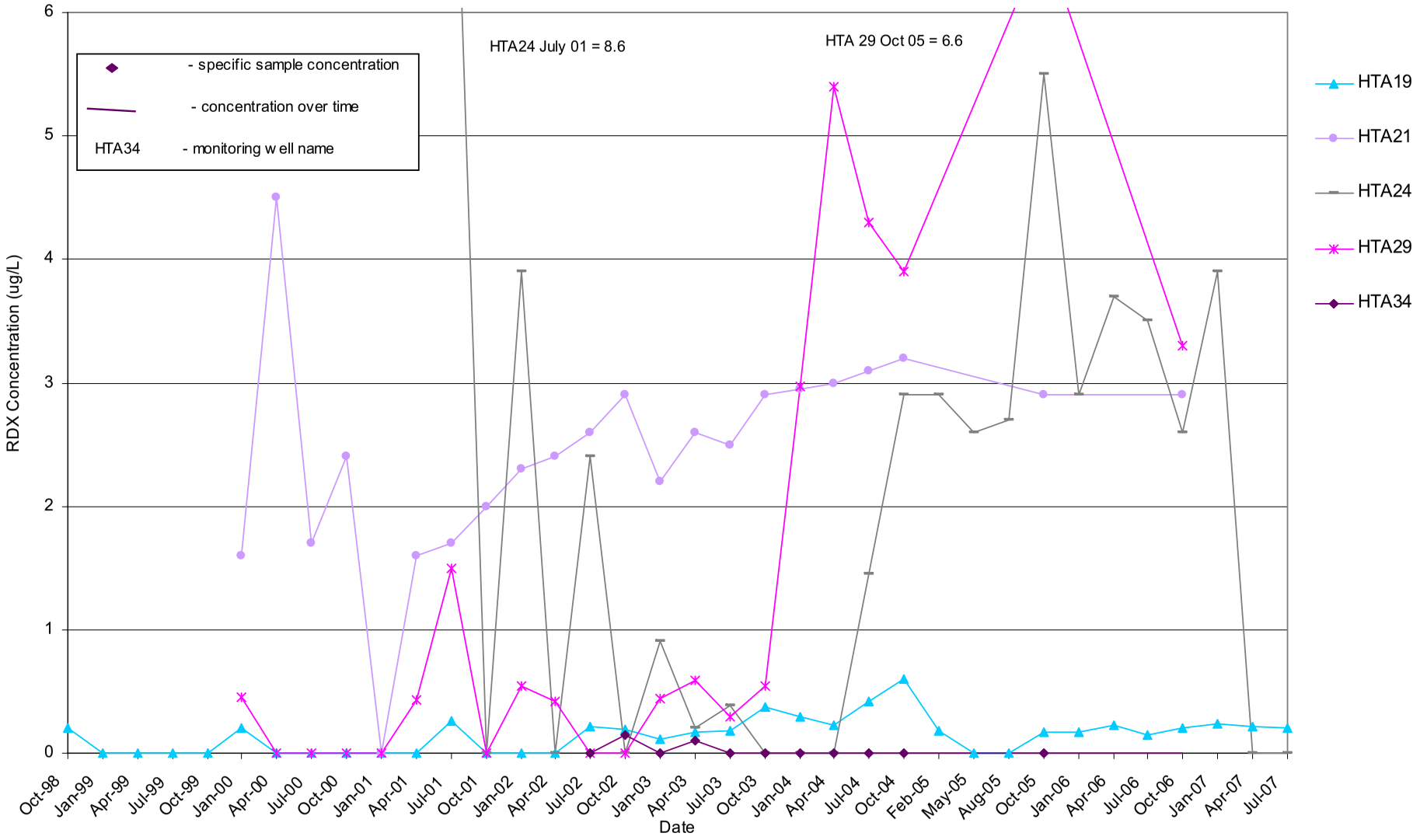

Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

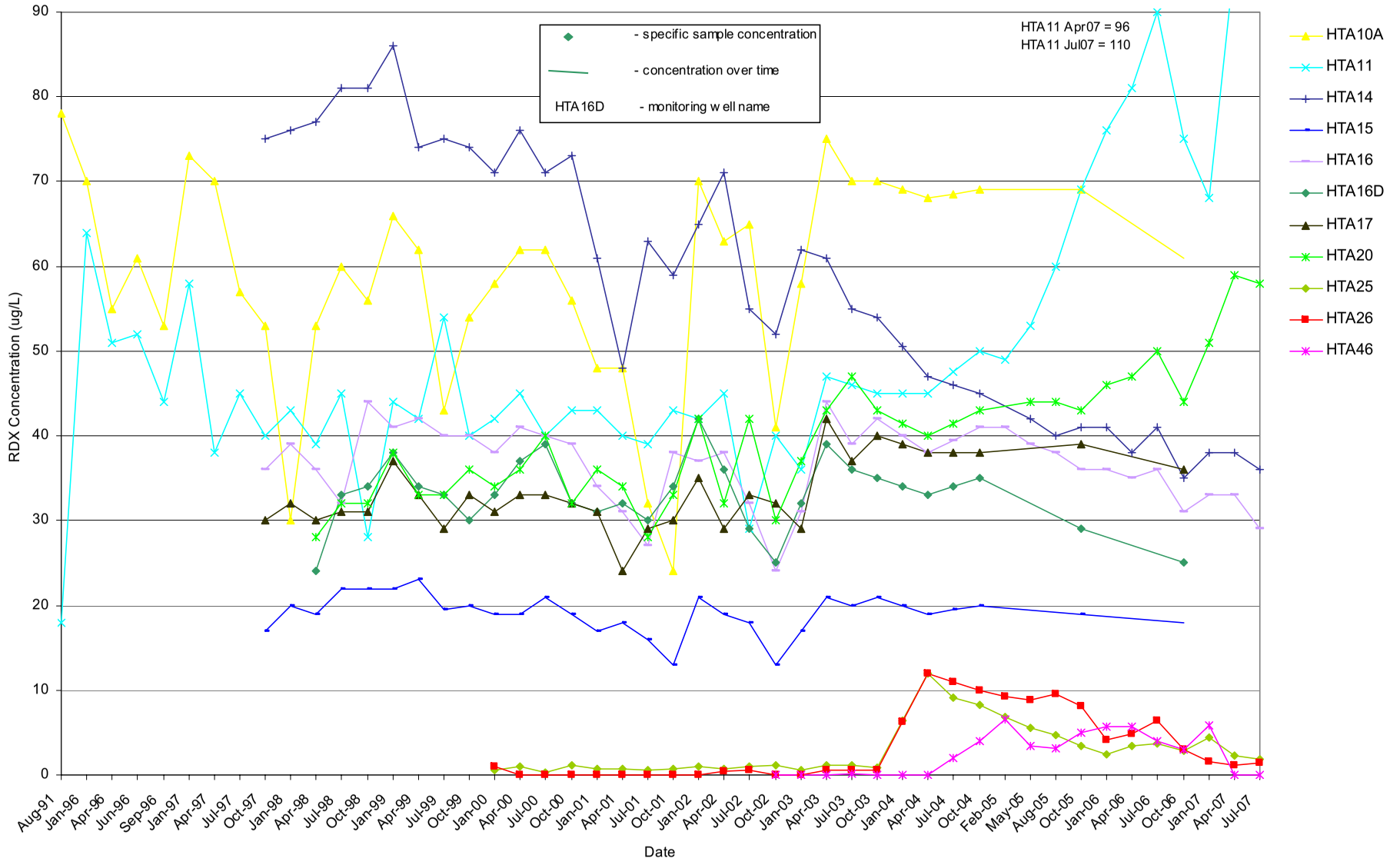

Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

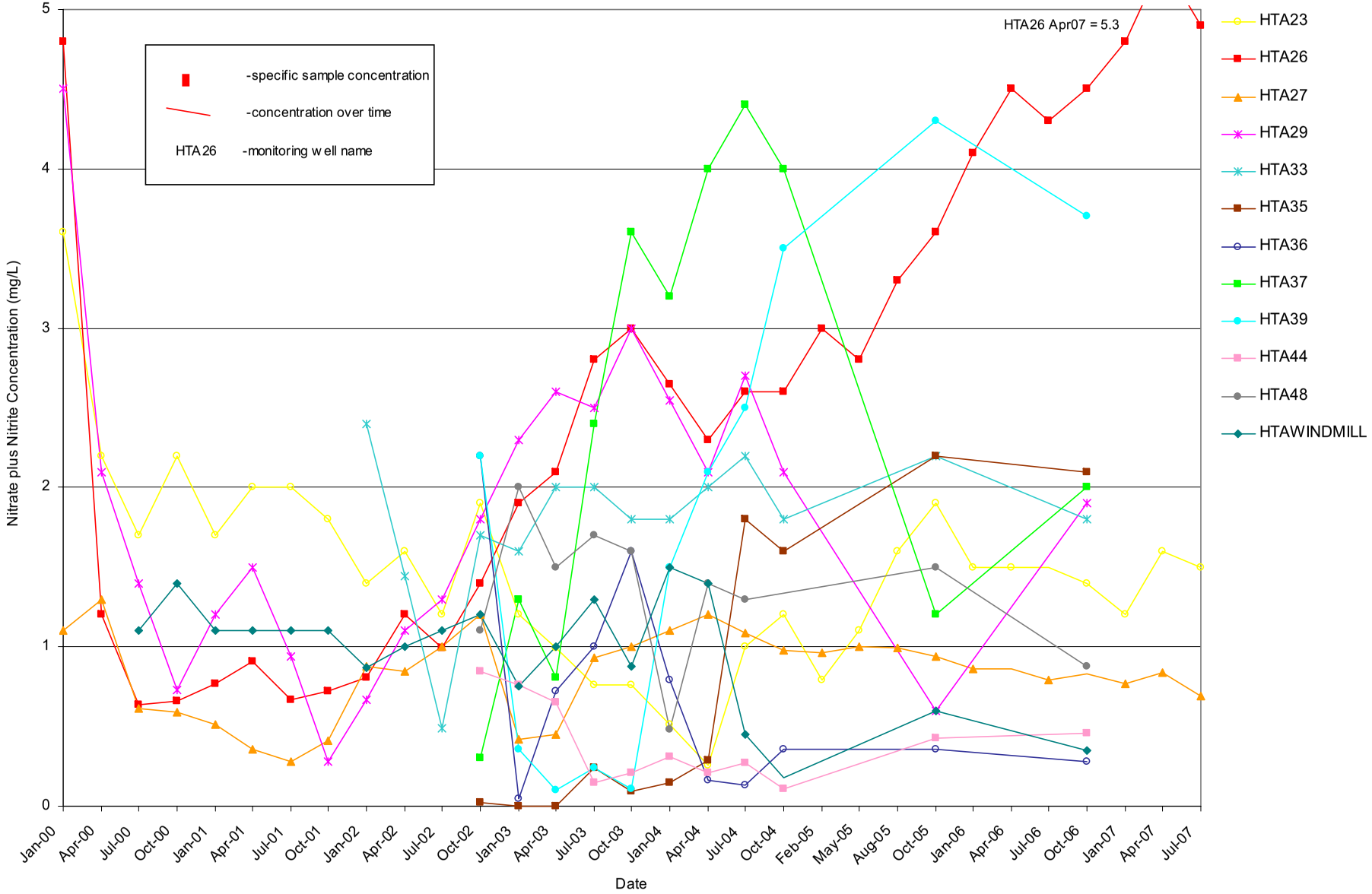

Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico

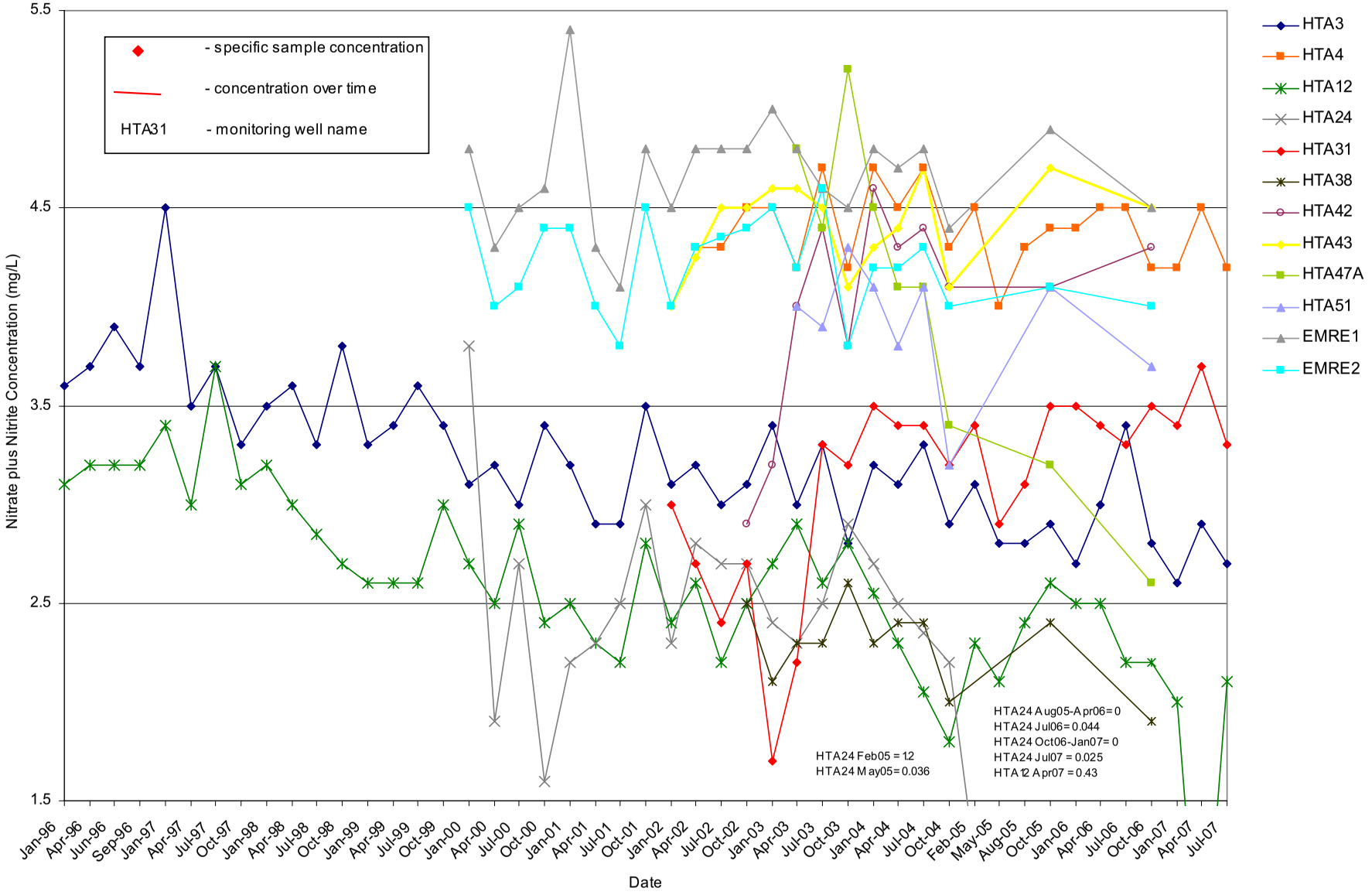

Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

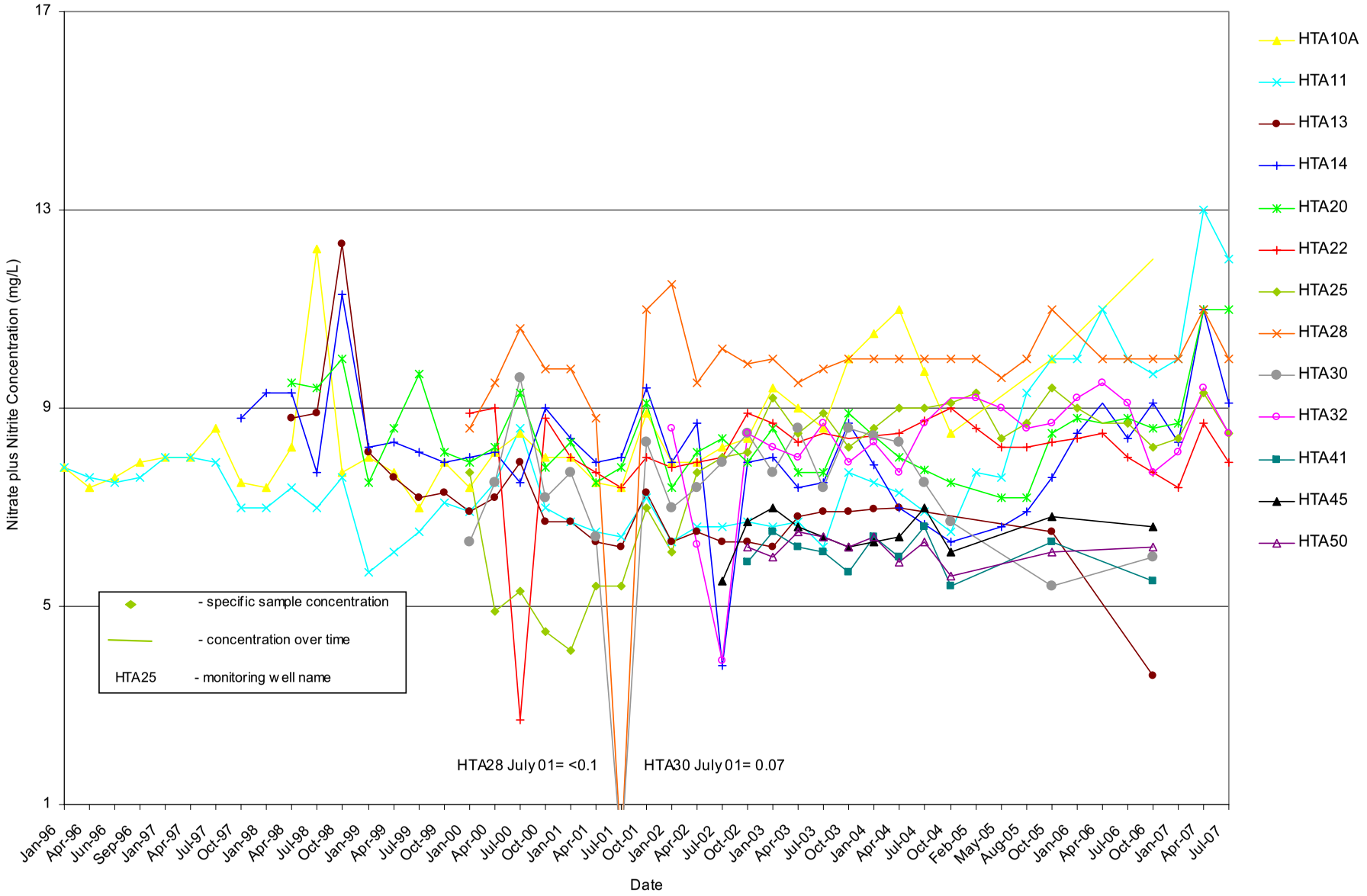

Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

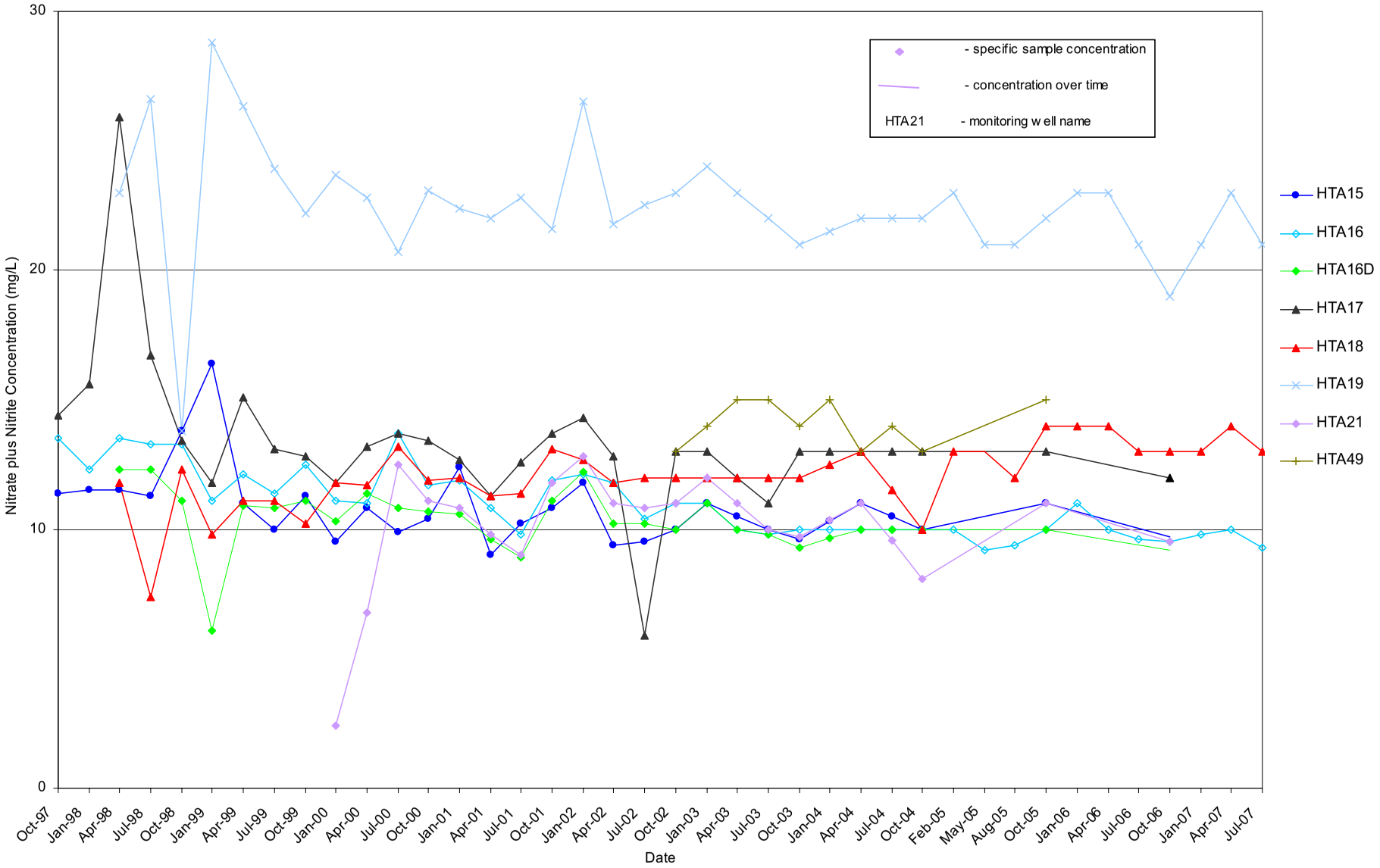

Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

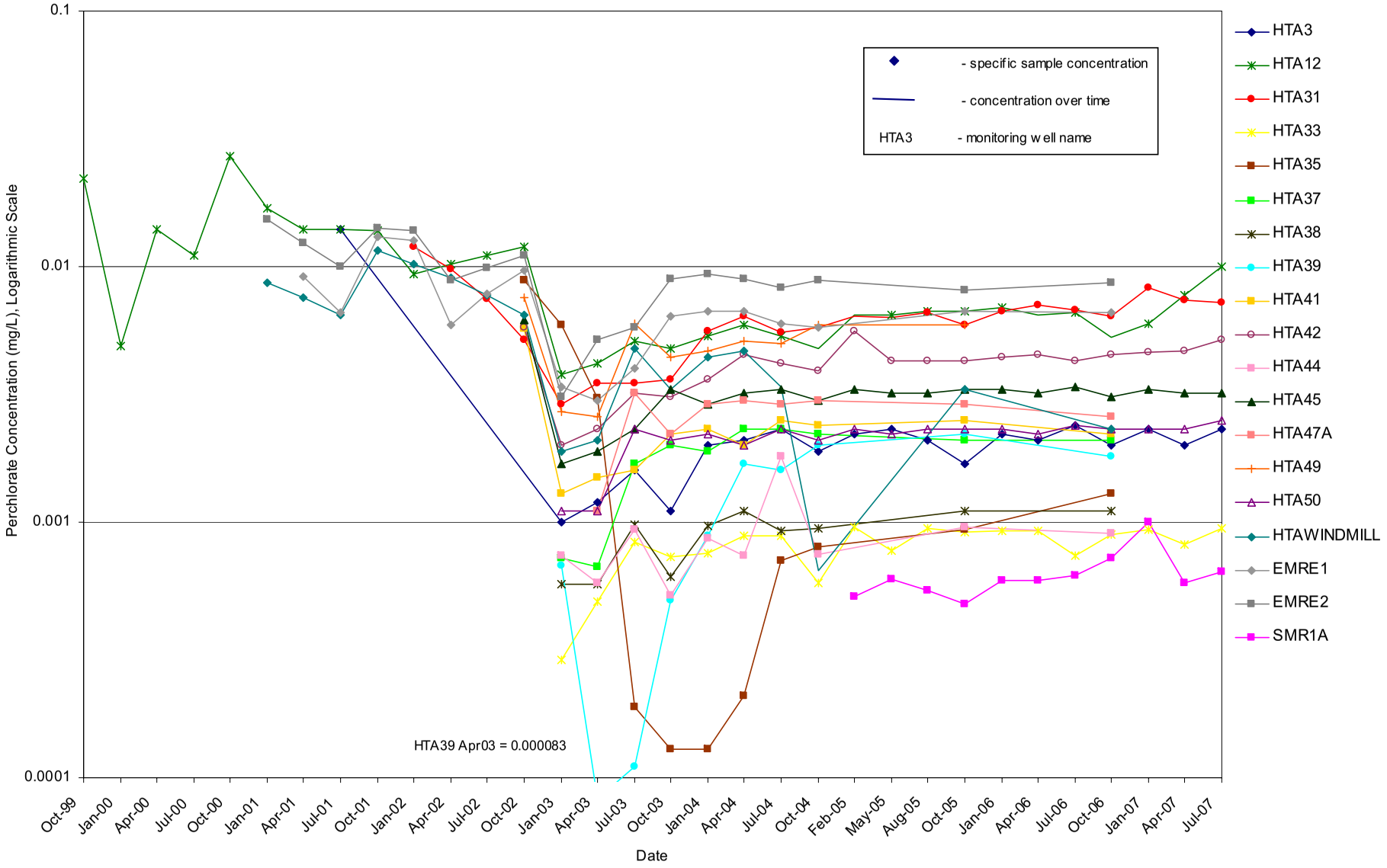

Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

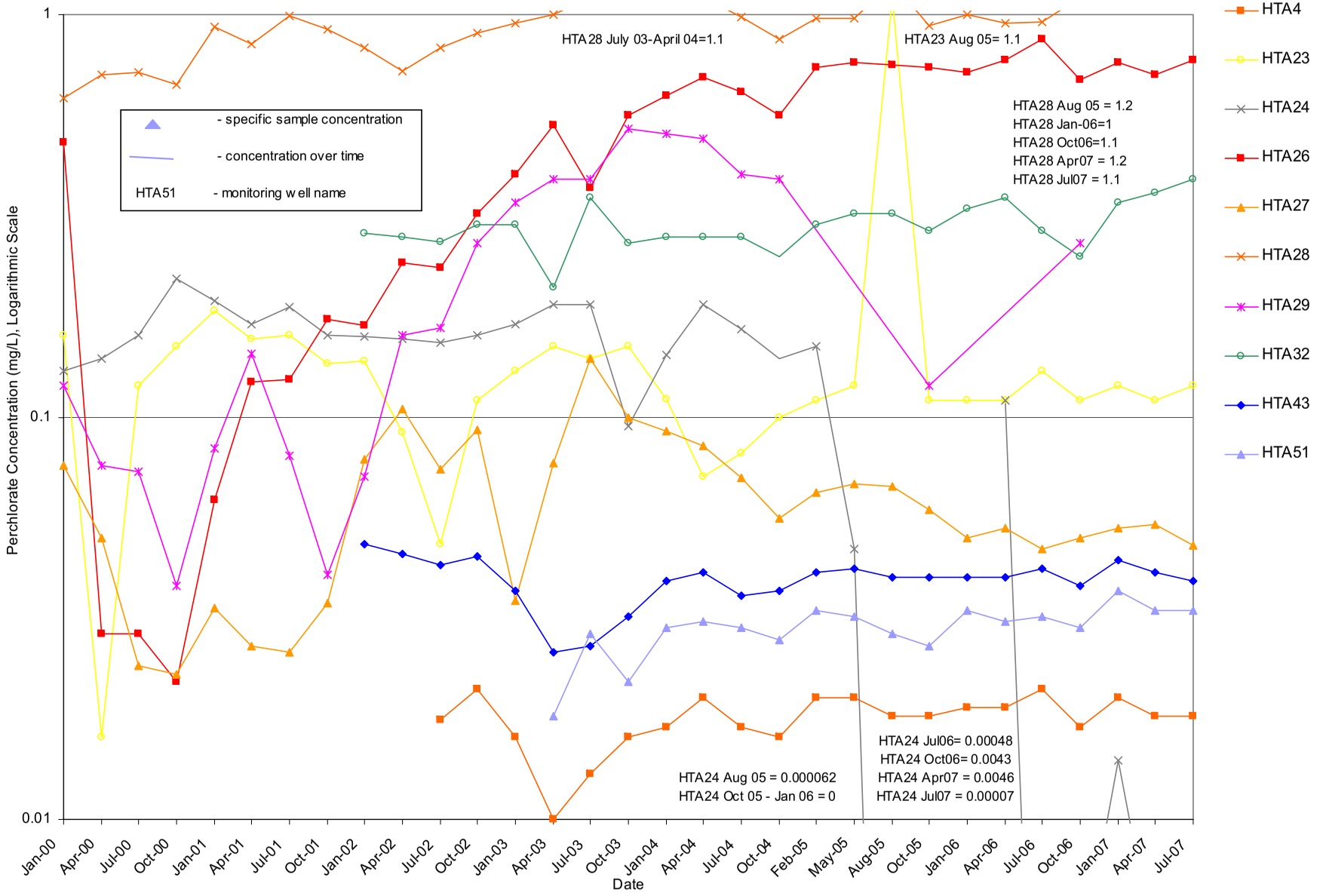

Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to

July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

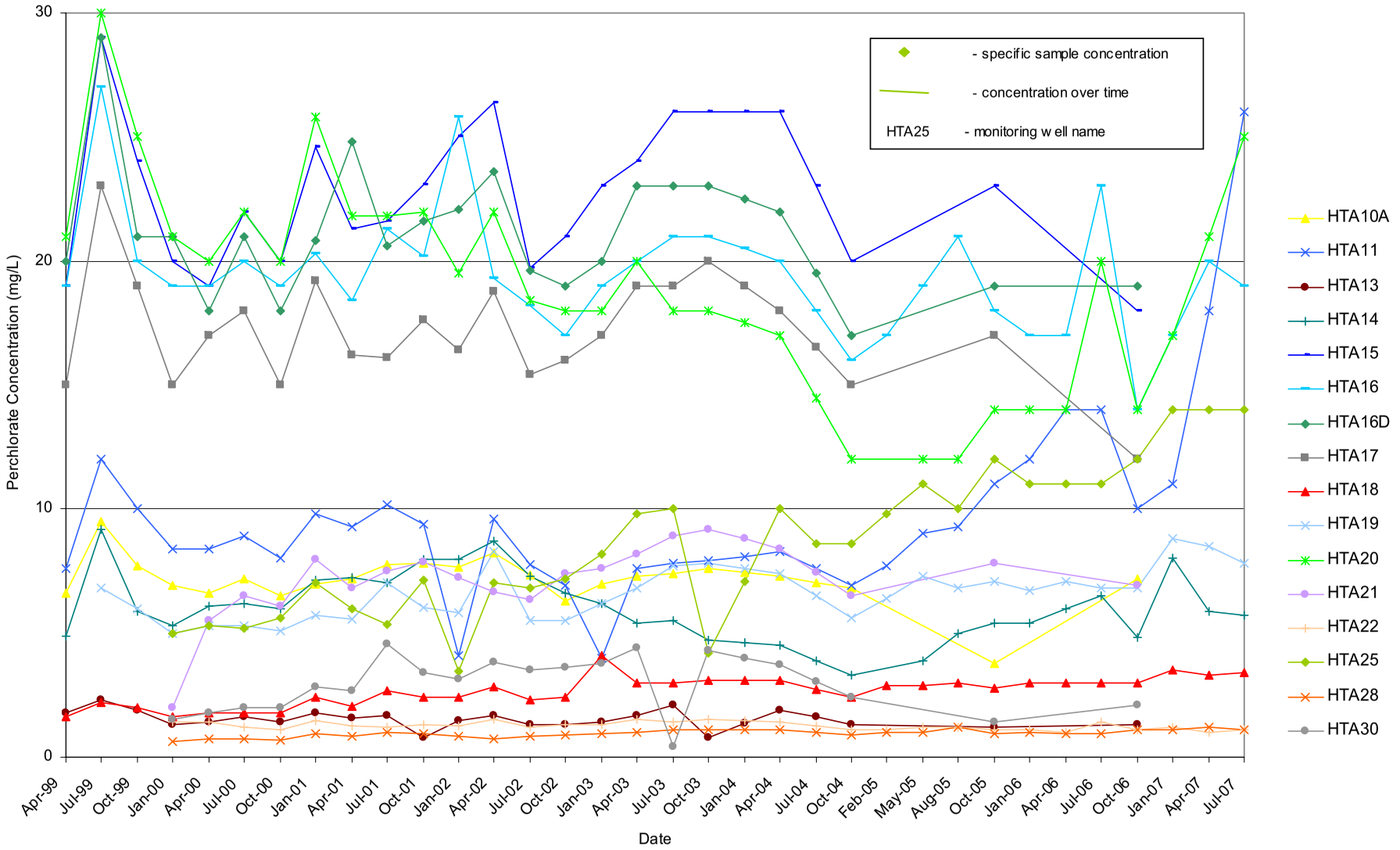

Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to July 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected July 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **NR**, analysis not requested; **ND**, not detected; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit, **COL**, more than 40% RPD between primary and confirmation detector results]

Sample ID:	HTA3		HTA4		HTA11		HTA12		HTA14	
Sample date & time:	7/11/2007	1710	7/10/2007	1615	7/10/2007	1240	7/10/2007	1130	7/11/2007	1720
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	NR		NR		110.0	2.0	ND	0.2	36.0	0.4
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.7	0.1	4.2	0.1	12 Q	0.2	2.1	0.1	9.1 Q	0.5
Perchlorate, SW8321A (mg/L)	0.0023	0.001	0.018	0.0005	26.0	1.0	0.01	0.0002	5.7	0.1

Sample ID:	HTA16		HTA18		HTA19		HTA20		Field Duplicate HTA20	
Sample date & time:	7/10/2007	1345	7/10/2007	1540	7/10/2007	1450	7/10/2007	1640	7/10/2007	1645
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	29	0.4	NR		0.20	0.2	58	1.0	60	1.0
Nitrate & Nitrite, MCAWW353.2 (mg/L)	9.3 Q	0.5	13 Q	0.5	21Q	0.5	11 Q	0.5	10 Q	0.2
Perchlorate, SW8321A (mg/L)	19.0	5.0	3.4	1.0	7.8	0.2	25.0	10	24.0	1.0

Sample ID:	HTA22		HTA23		HTA24		HTA25		HTA26	
Sample date & time:	7/11/2007	1610	7/11/2007	1320	7/9/2007	1415	7/11/2007	1415	7/11/2007	1510
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	ND	0.2	ND	0.2	1.9 COL	0.2	1.4 COL	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	7.9	0.1	1.5	0.1	0.025 J	0.1	8.5 Q	0.5	4.9	0.1
Perchlorate, SW8321A (mg/L)	1.1	0.05	0.12	0.005	0.00007 J	0.0001	14.0	5.0	0.77	0.02

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected July 9, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **NR**, analysis not requested; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA27		HTA28		HTA31		HTA32		HTA33	
Sample date & time:	7/9/2007	1500	7/9/2007	1620	7/10/2007	1515	7/10/2007	1710	7/11/2007	1140
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	NR		NR		ND	0.2	NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	0.69	0.1	10 Q	0.5	3.3	0.1	8.5 Q	0.5	NR	
Perchlorate, SW8321A (mg/L)	0.048	0.005	1.1	0.5	0.0072	0.0002	0.39	0.2	0.00095	0.00001

Sample ID:	HTA34		HTA42		HTA43		HTA45		HTA46	
Sample date & time:	7/10/2007	1040	7/10/2007	1050	7/10/2007	1320	7/10/2007	1420	7/10/2007	1205
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	NR		NR		NR		NR		ND	0.2
Nitrate & Nitrite, MCAWW353.2 (mg/L)	NR		NR		NR		NR		NR	
Perchlorate, SW8321A (mg/L)	ND	0.00001	0.0052	0.002	0.039	0.001	0.0032	0.001	0.00014	0.00001

Sample ID:	Field Duplicate HTA46		HTA50		HTA51		Equipment Blank HTA51		SMR1A	
Sample date & time:	7/10/2007	1215	7/11/2007	0955	7/9/2007	1715	7/9/2007	1800	7/11/2007	0825
Analytes and Method	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.2	NR		NR		ND		NR	
Nitrate & Nitrite, MCAWW353.2 (mg/L)	NR		NR		NR		0.036 J	0.10	NR	
Perchlorate, SW8321A (mg/L)	0.00014	0.0001	0.0025	0.001	0.033	0.001	ND	0.0001	0.00064	0.0001

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-3
WELL LOCATION (LONGITUDE)	106° 30' 35"
WELL LOCATION (LATITUDE)	32° 29' 11"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	5 / 23 / 84
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,192 feet above MSL
ELEV BOTTOM OF WELL CASING	5,195 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,247 & 5,237 feet above MSL
ELEV OF TOP OF SCREENED INT	5,297 & 5,277 feet above MSL
SURVEYED ELEV OF CASING TOP	5,356.81 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-4
WELL LOCATION (LONGITUDE)	106° 30' 18"
WELL LOCATION (LATITUDE)	32° 29' 13"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5196 feet above MSL (approximate)
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5270 feet above MSL (approximate)

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-10A
WELL LOCATION (LONGITUDE)	106° 31' 13"
WELL LOCATION (LATITUDE)	32° 29' 39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	7 / 24 / 95
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	~5,608 feet above MSL
ELEV BOTTOM OF SCREENED INT	~5,608 feet above MSL
ELEV OF TOP OF SCREENED INT	~5,628 feet above MSL
SURVEYED ELEV OF CASING TOP	5,690.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-11
WELL LOCATION (LONGITUDE)	106° 31' 13"
WELL LOCATION (LATITUDE)	32° 29' 40"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 6.75" (20-119 ft); 6" (119-205.5 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,485.74 feet above MSL
ELEV BOTTOM OF WELL CASING	5,606.24 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,611.24 feet above MSL
ELEV OF TOP OF SCREENED INT	5,631.24 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.17 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-12
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 7.87" (20-100 ft); 6.75" (100-165ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,589.78 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.78 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.78 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.78 feet above MSL
SURVEYED ELEV OF CASING TOP	5,756.71 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-13
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3 ft); 9.8 " (3-60 ft); 6.12" (60-125 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,564.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,570.12 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,575.47 feet above MSL
ELEV OF TOP OF SCREENED INT	5,595.53 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.23 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-14	
WELL LOCATION (LONGITUDE)	106° 31' 15"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 95	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	7.875 inches	
CASING MATERIAL	PVC (Schedule 40)	
METHOD OF DEVELOPMENT	Unknown	
ELEV BOTTOM OF BOREHOLE	5,584.75 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,585.75 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,585.75 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,605.75 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,698.04 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-15
WELL LOCATION (LONGITUDE)	106° 31' 06"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 96
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -106 ft); 6 inches (106 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,522.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,540.92 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,545.92 feet above MSL
ELEV OF TOP OF SCREENED INT	5,565.92 feet above MSL
SURVEYED ELEV OF CASING TOP	5,645.09 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16
WELL LOCATION (LONGITUDE)	106° 31' 07"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -110 ft); 6 inches (110 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,521.18 feet above MSL
ELEV BOTTOM OF WELL CASING	5,538.18 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,543.18 feet above MSL
ELEV OF TOP OF SCREENED INT	5,563.18 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.10 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16D
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 04 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	2.5 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,332.96 feet above MSL
ELEV BOTTOM OF WELL CASING	5,478.74 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,484.01 feet above MSL
ELEV OF TOP OF SCREENED INT	5,503.90 feet above MSL
SURVEYED ELEV OF CASING TOP	5,640.13 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-17
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20ft); 7.87" (20-100 ft); 6.75" (100-165 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,521.49 feet above MSL
ELEV BOTTOM OF WELL CASING	5,531.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,536.49 feet above MSL
ELEV OF TOP OF SCREENED INT	5,556.49 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.64 feet above MSL

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525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-18
WELL LOCATION (LONGITUDE)	106° 30' 56"
WELL LOCATION (LATITUDE)	32° 29' 32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	2 / 28 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,231.59 feet above MSL
ELEV BOTTOM OF WELL CASING	5,406.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,412.28 feet above MSL
ELEV OF TOP OF SCREENED INT	5,432.34 feet above MSL
SURVEYED ELEV OF CASING TOP	5,538.95 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-19
WELL LOCATION (LONGITUDE)	106° 31' 03"
WELL LOCATION (LATITUDE)	32° 29' 35"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 6 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,289.83 feet above MSL
ELEV BOTTOM OF WELL CASING	5,448.22 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,453.57 feet above MSL
ELEV OF TOP OF SCREENED INT	5,473.63 feet above MSL
SURVEYED ELEV OF CASING TOP	5,597.22 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-20
WELL LOCATION (LONGITUDE)	106° 31' 14"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 11 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-115ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,584.34 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.58 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.93 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.99 feet above MSL
SURVEYED ELEV OF CASING TOP	5,701.56 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-21
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 33"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11 / 30 / 99
DRILLING METHOD	Air rotary (0-41 ft) and air hammer (41-115 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-41 ft); 6 in (41-115 ft)
CASING MATERIAL	PVC (Schedule 40), 0.01 inch slotted PVC screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,504 feet above MSL
ELEV BOTTOM OF WELL CASING	5,509.67 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,514.52 feet above MSL
ELEV OF TOP OF SCREENED INT	5,534.22 feet above MSL
SURVEYED ELEV OF CASING TOP	5,621.79 feet above MSL

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525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-22	
WELL LOCATION (LONGITUDE)	106° 31' 05"	
WELL LOCATION (LATITUDE)	32° 29' 24"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-15 ft) and air hammer (15-115 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-15 ft); 6 in (15-115 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,442 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,447.39 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,452.24 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,471.94 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,559.61 feet above MSL	

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-23	
WELL LOCATION (LONGITUDE)	106° 31' 18"	
WELL LOCATION (LATITUDE)	32° 29' 35"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-35 ft) and air hammer (35-135 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-35 ft); 6 in (35-135 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,545 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,544.87 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,549.72 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,569.42 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,682.05 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-24	
WELL LOCATION (LONGITUDE)	106° 31' 11"	
WELL LOCATION (LATITUDE)	32° 29' 47"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-34 ft) and air hammer (34-164 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-34 ft); 6 in (34-164 ft)	
CASING MATERIAL	PVC (schedule 40)	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,528 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,528.55 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,533.40 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,553.10 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,694.50 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-25	
WELL LOCATION (LONGITUDE)	106° 31' 06"	
WELL LOCATION (LATITUDE)	32° 29' 43"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-123 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-123 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,521 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,524.02 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,528.87 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,548.57 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,646.03 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-26
WELL LOCATION (LONGITUDE)	106° 30' 51"
WELL LOCATION (LATITUDE)	32° 29' 40"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/02/99
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-203 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-203 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,331 feet above MSL
ELEV BOTTOM OF WELL CASING	5,331.60 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,331.60 feet above MSL
ELEV OF TOP OF SCREENED INT	5,351.30 feet above MSL
SURVEYED ELEV OF CASING TOP	5,533.95 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-27	
WELL LOCATION (LONGITUDE)	106° 30' 51"	
WELL LOCATION (LATITUDE)	32° 29' 27"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/03/99	
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-182 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-182 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,313 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,315.14 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,315.14 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,334.84 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,496.5 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-28	
WELL LOCATION (LONGITUDE)	106° 30' 46"	
WELL LOCATION (LATITUDE)	32° 29' 23"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/04/99	
DRILLING METHOD	Air rotary (0-19.5 ft), air hammer (19.5-300 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-19.5 ft); 6 in (19.5-300 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Pumped	
ELEV BOTTOM OF BOREHOLE	5,151 feet above MSL, Borehole backfilled with bentonite chip up to 5,302 feet MSL	
ELEV BOTTOM OF WELL CASING	5,306.26 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,311.11 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,330.81 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,453.96 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-29
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 44"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/05/99
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-405 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-405 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Pumped
ELEV BOTTOM OF BOREHOLE	5,318 feet above MSL, Borehole backfilled with bentonite chip up to 5,561 feet MSL
ELEV BOTTOM OF WELL CASING	5,564.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,569.80 feet above MSL
ELEV OF TOP OF SCREENED INT	5,589.50 feet above MSL
SURVEYED ELEV OF CASING TOP	5,725.83 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-30
WELL LOCATION (LONGITUDE)	106° 30' 57"
WELL LOCATION (LATITUDE)	32° 29' 39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/02/99
DRILLING METHOD	Air rotary (0-38 ft) and air hammer (38-200 ft)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.88 in (0-25 ft); 5.75 in (25-182 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,368 feet above MSL
ELEV BOTTOM OF WELL CASING	5,368 feet above MSL, Casing set on base of borehole
ELEV BOTTOM OF SCREENED INT	5,372.46 feet above MSL
ELEV OF TOP OF SCREENED INT	5,392.46 feet above MSL
SURVEYED ELEV OF CASING TOP	5,570.22 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-31
WELL LOCATION (LONGITUDE)	106° 30' 21.96"
WELL LOCATION (LATITUDE)	32° 29' 2.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,161.66 feet above MSL
ELEV BOTTOM OF WELL CASING	5,5166.66 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,166.66 feet above MSL
ELEV OF TOP OF SCREENED INT	5,186.66 feet above MSL
SURVEYED ELEV OF CASING TOP	5,254.75 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-32
WELL LOCATION (LONGITUDE)	106° 30' 26.29"
WELL LOCATION (LATITUDE)	32° 29' 23.73"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,259.77 feet above MSL
ELEV BOTTOM OF WELL CASING	5,268.77 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,268.77 feet above MSL
ELEV OF TOP OF SCREENED INT	5,288.77 feet above MSL
SURVEYED ELEV OF CASING TOP	5,346.31 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-33	
WELL LOCATION (LONGITUDE)	106° 30' 54.85"	
WELL LOCATION (LATITUDE)	32° 28' 48.1"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/14/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	5,256.81 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,261.81 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,261.81 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,281.81 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,371.55 feet above MSL	

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-34
WELL LOCATION (LONGITUDE)	106° 31' 27.89"
WELL LOCATION (LATITUDE)	32° 29' 43.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,690.94 feet above MSL
ELEV BOTTOM OF WELL CASING	5,691.94 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,691.94 feet above MSL
ELEV OF TOP OF SCREENED INT	5,711.94 feet above MSL
SURVEYED ELEV OF CASING TOP	5,797.72 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-35
WELL LOCATION (LONGITUDE)	106° 29' 6.03"
WELL LOCATION (LATITUDE)	32° 27' 4.28"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,454.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,459.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,459.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,479.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,621.18 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-36
WELL LOCATION (LONGITUDE)	106° 29' 44.25"
WELL LOCATION (LATITUDE)	32° 27' 2.38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,696.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,701.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,701.49 feet above MSL
ELEV OF TOP OF SCREENED INT	4,721.49 feet above MSL
SURVEYED ELEV OF CASING TOP	4,798.02 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-37
WELL LOCATION (LONGITUDE)	106° 29' 47.22"
WELL LOCATION (LATITUDE)	32° 26' 39.19"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,551.93 feet above MSL
ELEV BOTTOM OF WELL CASING	4,557.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,557.93 feet above MSL
ELEV OF TOP OF SCREENED INT	4,577.93 feet above MSL
SURVEYED ELEV OF CASING TOP	4,697.84 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-38
WELL LOCATION (LONGITUDE)	106° 30' 2.03"
WELL LOCATION (LATITUDE)	32° 26' 24.49"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,599.95 feet above MSL
ELEV BOTTOM OF WELL CASING	4,604.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,604.95 feet above MSL
ELEV OF TOP OF SCREENED INT	4,624.95 feet above MSL
SURVEYED ELEV OF CASING TOP	4,726.93 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-39
WELL LOCATION (LONGITUDE)	106° 29' 48.75"
WELL LOCATION (LATITUDE)	32° 26' 12.15"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,495.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,500.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,500.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,520.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,652.14 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-40
WELL LOCATION (LONGITUDE)	106° 29' 13.95"
WELL LOCATION (LATITUDE)	32° 26' 8.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,309.63 feet above MSL
ELEV BOTTOM OF WELL CASING	4,314.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,314.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,334.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,516.5 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-41
WELL LOCATION (LONGITUDE)	106° 28' 19.14"
WELL LOCATION (LATITUDE)	32° 27' 31.39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,377.11 feet above MSL
ELEV BOTTOM OF WELL CASING	4,377.11 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,377.11 feet above MSL
ELEV OF TOP OF SCREENED INT	4,397.11 feet above MSL
SURVEYED ELEV OF CASING TOP	4,504.63 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-42
WELL LOCATION (LONGITUDE)	106° 29' 42.66"
WELL LOCATION (LATITUDE)	32° 28' 37.01"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,854.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,856.69 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,856.69 feet above MSL
ELEV OF TOP OF SCREENED INT	4,876.69 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.95 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-43
WELL LOCATION (LONGITUDE)	106° 29' 27.85"
WELL LOCATION (LATITUDE)	32° 28' 57"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,851.87 feet above MSL
ELEV BOTTOM OF WELL CASING	4,857.87 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,857.87 feet above MSL
ELEV OF TOP OF SCREENED INT	4,877.87 feet above MSL
SURVEYED ELEV OF CASING TOP	4,959.71 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-44
WELL LOCATION (LONGITUDE)	106° 30' 2.42"
WELL LOCATION (LATITUDE)	32° 27' 44.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,794.28 feet above MSL
ELEV BOTTOM OF WELL CASING	4,799.28 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,799.28 feet above MSL
ELEV OF TOP OF SCREENED INT	4,819.28 feet above MSL
SURVEYED ELEV OF CASING TOP	4,940.26 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-45
WELL LOCATION (LONGITUDE)	106° 28' 34.57"
WELL LOCATION (LATITUDE)	32° 28' 23.34"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,493.73 feet above MSL
ELEV BOTTOM OF WELL CASING	4,498.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,498.73 feet above MSL
ELEV OF TOP OF SCREENED INT	4,518.73 feet above MSL
SURVEYED ELEV OF CASING TOP	4,640.84 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-46
WELL LOCATION (LONGITUDE)	106° 30' 2.51"
WELL LOCATION (LATITUDE)	32° 29' 6.27"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,834.15 feet above MSL
ELEV BOTTOM OF WELL CASING	5,014.15 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,014.15 feet above MSL
ELEV OF TOP OF SCREENED INT	5,034.15 feet above MSL
SURVEYED ELEV OF CASING TOP	5,161.62 feet above

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-47A
WELL LOCATION (LONGITUDE)	106° 28' 1.33"
WELL LOCATION (LATITUDE)	32° 28' 26.72"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/21/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,310.93 feet above MSL
ELEV BOTTOM OF WELL CASING	4,311.13 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,311.13 feet above MSL
ELEV OF TOP OF SCREENED INT	4,331.13 feet above MSL
SURVEYED ELEV OF CASING TOP	4,494.93 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-48
WELL LOCATION (LONGITUDE)	106° 28' 56.57"
WELL LOCATION (LATITUDE)	32° 25' 37.51"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,242.41 feet above MSL
ELEV BOTTOM OF WELL CASING	4,247.41 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,247.41 feet above MSL
ELEV OF TOP OF SCREENED INT	4,267.41 feet above MSL
SURVEYED ELEV OF CASING TOP	4,409.63 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-49
WELL LOCATION (LONGITUDE)	106° 29' 9.64"
WELL LOCATION (LATITUDE)	32° 25' 7.67"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/12/2001
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	3,991.85 feet above MSL
ELEV BOTTOM OF WELL CASING	3,992.85 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,992.85 feet above MSL
ELEV OF TOP OF SCREENED INT	4,022.85 feet above MSL
SURVEYED ELEV OF CASING TOP	4,414.13 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-50
WELL LOCATION (LONGITUDE)	106° 27' 31.4"
WELL LOCATION (LATITUDE)	32° 28' 33.32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/13/2002
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Bailed
ELEV BOTTOM OF BOREHOLE	3,846.45 feet above MSL
ELEV BOTTOM OF WELL CASING	3,850.05 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,850.05 feet above MSL
ELEV OF TOP OF SCREENED INT	3,880.05 feet above MSL
SURVEYED ELEV OF CASING TOP	4,368.24 feet above MSL

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525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-51
WELL LOCATION (LONGITUDE)	106° 29' 1.41"
WELL LOCATION (LATITUDE)	32° 29' 0.61"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/24/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,692.23 feet above MSL
ELEV BOTTOM OF WELL CASING	4,692.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,692.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,712.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,837.23 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 1
WELL LOCATION (LONGITUDE)	106° 30' 17"
WELL LOCATION (LATITUDE)	32° 28' 4"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/3/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,859.16 feet above MSL
ELEV BOTTOM OF WELL CASING	4,863.16 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,868.16 feet above MSL
ELEV OF TOP OF SCREENED INT	4,888.16 feet above MSL
SURVEYED ELEV OF CASING TOP	5,045.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 2
WELL LOCATION (LONGITUDE)	106° 30' 9"
WELL LOCATION (LATITUDE)	32° 28' 0"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/03/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,890.99 feet above MSL
ELEV BOTTOM OF WELL CASING	4,893.99 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,898.99 feet above MSL
ELEV OF TOP OF SCREENED INT	4,917.99 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.37 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-WINDMILL
WELL LOCATION (LONGITUDE)	106° 50' 52"
WELL LOCATION (LATITUDE)	32° 28' 24"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unknown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	BONNEY SPRING MINE WINDMILL
WELL LOCATION (LONGITUDE)	106° 29' 11"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	4,978 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5,041 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR1A
WELL LOCATION (LONGITUDE)	106° 26' 32"
WELL LOCATION (LATITUDE)	32° 29' 02"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unkown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR2
WELL LOCATION (LONGITUDE)	106° 26' 44"
WELL LOCATION (LATITUDE)	32° 28' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	September 1960
DRILLING METHOD	Cable tool
INNER CASING DIAMETER	8 inches to 608 feet, 6 inches to 747 feet
BOREHOLE DIAMETER	10 inches to 612 feet, 8 inches to 747 feet
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,440.71 feet above MSL
ELEV BOTTOM OF WELL CASING	3,449.71 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,196.71 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR3
WELL LOCATION (LONGITUDE)	106° 25' 11"
WELL LOCATION (LATITUDE)	32° 31' 04"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	January 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches to 1,000 feet
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,170.73 feet above MSL
ELEV BOTTOM OF WELL CASING	3,180.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,180.73 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR4
WELL LOCATION (LONGITUDE)	106° 27' 13"
WELL LOCATION (LATITUDE)	32° 27' 35"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	December 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	12 1/4 inches to 450 feet, 7 7/8 inches to total
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,145.83 feet above MSL
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,161.83 feet above MSL

APPENDIX I

Analytical Results from Severn Trent Services Laboratory for
Ground-Water Samples Collected July 9, 10, and 11, 2007

STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

White Sands HTA
SDG: HTA-25
Lot #s: D7G130374

Richard Daddow

U.S. Geological Survey

TESTAMERICA DENVER

Lisa B. Antonczak

Lisa B. Antonczak
Project Manager

August 8, 2007

Case Narrative
HTA-25

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Sample Receiving

Thirty samples were received under chain of custody on July 13, 2007 and logged under lot D7G130374. This lot is reported here under SDG HTA-25.

Samples logged under lot D7G130374 were received at temperatures of 0.4°C, 3.4°C, 3.8°C, 2.3°C, 1.2°C and 4.7°C.

LC/MS – Perchlorate, SW846 6860

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, samples had to be analyzed at dilutions due to high constituent concentration of Perchlorate. The reporting limits have been adjusted relative to the dilutions required.

MS/MSD were performed on sample HTA-32 (QC batch 7204476), as requested. All spike parameters were within QC control limits.

A second MS/MSD associated with QC batch 7204476 exhibited percent recoveries outside the QC control limits for Perchlorate. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

HPLC – Explosives, SW846 8330

The LCS/LCSD associated with QC batch 7197347 exhibited LCSD recoveries and/or RPD data outside the QC control limits for 2,6-Dinitrotoluene, Nitrobenzene and 2-Nitrotoluene. The LCS, MS and MSD recoveries were in control for all constituents. Upon re-extraction and reanalysis in QC batch 7204229, the LCS/LCSD were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the recommended sample holding times.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, samples HTA-20, HTA-16, HTA-99, HTA-11 and HTA-14 had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

Surrogate recoveries could not be calculated for samples HTA-20, HTA-99 and HTA-11, because the extracts were diluted beyond the ability to quantitate recoveries.

HPLC – Explosives, SW846 8330 (cont.)

Surrogate 1,2-Dinitrobenzene was recovered outside the QC control limits, biased high, in samples HTA-98 and HTA24. This is an indicator that data may be biased high. As no detectable concentrations are present in the samples, corrective action is deemed unnecessary.

Surrogate 1,2-Dinitrobenzene was recovered outside the QC control limits in sample HTA-46. This anomaly is due to obvious matrix interference; therefore, corrective action is deemed unnecessary.

The RPD between the primary and confirmation columns exceeded 40% for RDX in samples HTA-25 and HTA-26. The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

The RPD between the primary and confirmation columns exceeded 40% for 2,4-Dinitrotoluene in sample HTA-46. The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

MS/MSD were performed on sample HTA-32 (QC batch 7197347), as requested. All spike parameters were within QC control limits.

The method required MS/MSD could not be performed for QC batch 7204229, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

No other anomalies were observed.

General Chemistry, EPA 353.2

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the methods. In some cases, due to high constituent concentrations, the Nitrate-Nitrite analyses had to be performed at dilutions. For analyses performed at dilutions due to high constituent concentrations, the results in the analytical report have been flagged with a "Q", and the reporting limits have been adjusted relative to the dilutions required.

MS/MSD were performed on sample HTA-32 (QC batch 7206386), as requested. All spike parameters were within QC control limits.

Please note that the recoveries for the Nitrate-Nitrite MS/MSD performed on sample HTA-11 (QC batch 7208217) are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

HTA-25 : D7G130374

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-98 07/10/07 12:15 001				
Perchlorate	140	100	ng/L	SW846 6860
HTA-28 07/09/07 16:20 002				
Perchlorate	1100000	500000	ng/L	SW846 6860
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
HTA-18 07/10/07 15:40 003				
Perchlorate	3400000	1000000	ng/L	SW846 6860
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
HTA-3 07/11/07 17:10 004				
Perchlorate	2300	1000	ng/L	SW846 6860
Nitrate-Nitrite	2.7	0.10	mg/L	MCAWW 353.2
HTA-42 07/10/07 10:50 005				
Perchlorate	5200	2000	ng/L	SW846 6860
SMR1A 07/11/07 08:25 006				
Perchlorate	640	100	ng/L	SW846 6860
HTA-24 07/09/07 14:15 007				
Perchlorate	70 J	100	ng/L	SW846 6860
Nitrate-Nitrite	0.025 B	0.10	mg/L	MCAWW 353.2
HTA-51 EB 07/09/07 18:00 008				
Nitrate-Nitrite	0.036 B	0.10	mg/L	MCAWW 353.2
HTA-20 07/10/07 16:40 009				
RDX	58	1.0	ug/L	SW846 8330
RDX	59	1.0	ug/L	SW846 8330
Perchlorate	25000000	10000000	ng/L	SW846 6860
Nitrate-Nitrite	11 Q	0.50	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-25 : D7G130374

	PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-25 07/11/07 14:15 010					
	RDX	1.9 COL	0.20	ug/L	SW846 8330
	RDX	2.1 COL	0.20	ug/L	SW846 8330
	Perchlorate	14000000	5000000	ng/L	SW846 6860
	Nitrate-Nitrite	8.5 Q	0.50	mg/L	MCAWW 353.2
HTA-50 07/11/07 09:55 011					
	Perchlorate	2500	1000	ng/L	SW846 6860
HTA-27 07/09/07 15:00 012					
	Perchlorate	48000	5000	ng/L	SW846 6860
	Nitrate-Nitrite	0.69	0.10	mg/L	MCAWW 353.2
HTA-32 07/10/07 17:10 013					
	Perchlorate	390000	200000	ng/L	SW846 6860
	Nitrate-Nitrite	8.5 Q	0.50	mg/L	MCAWW 353.2
HTA-45 07/10/07 14:20 014					
	Perchlorate	3200	1000	ng/L	SW846 6860
HTA-16 07/10/07 13:45 015					
	HMX	0.38 J	0.40	ug/L	SW846 8330
	HMX	0.38 J	0.40	ug/L	SW846 8330
	RDX	29	0.40	ug/L	SW846 8330
	RDX	31	0.40	ug/L	SW846 8330
	Perchlorate	19000000	5000000	ng/L	SW846 6860
	Nitrate-Nitrite	9.3 Q	0.50	mg/L	MCAWW 353.2
HTA-99 07/10/07 16:45 016					
	RDX	60	1.0	ug/L	SW846 8330
	RDX	62	1.0	ug/L	SW846 8330
	Perchlorate	24000000	1000000	ng/L	SW846 6860
	Nitrate-Nitrite	10 Q	0.20	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-25 : D7G130374

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-23 07/11/07 13:20 017				
Perchlorate	120000	5000	ng/L	SW846 6860
Nitrate-Nitrite	1.5	0.10	mg/L	MCAWW 353.2
HTA-22 07/11/07 16:10 018				
Perchlorate	1100000	50000	ng/L	SW846 6860
Nitrate-Nitrite	7.9	0.10	mg/L	MCAWW 353.2
HTA-51 07/09/07 17:15 019				
Perchlorate	33000	1000	ng/L	SW846 6860
HTA-11 07/10/07 12:40 020				
RDX	110	2.0	ug/L	SW846 8330
RDX	110	2.0	ug/L	SW846 8330
Perchlorate	26000000	1000000	ng/L	SW846 6860
Nitrate-Nitrite	12 Q	0.20	mg/L	MCAWW 353.2
HTA-19 07/10/07 14:50 021				
RDX	0.20	0.20	ug/L	SW846 8330
RDX	0.35	0.20	ug/L	SW846 8330
Perchlorate	7800000	200000	ng/L	SW846 6860
Nitrate-Nitrite	21 Q	0.50	mg/L	MCAWW 353.2
HTA-26 07/11/07 15:10 022				
RDX	1.4 COL	0.20	ug/L	SW846 8330
RDX	1.8 COL	0.20	ug/L	SW846 8330
Perchlorate	770000	20000	ng/L	SW846 6860
Nitrate-Nitrite	4.9	0.10	mg/L	MCAWW 353.2
HTA-14 07/11/07 17:20 023				
HMX	0.50	0.40	ug/L	SW846 8330
RDX	36	0.40	ug/L	SW846 8330
RDX	37	0.40	ug/L	SW846 8330
Perchlorate	5700000	100000	ng/L	SW846 6860
Nitrate-Nitrite	9.1 Q	0.50	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-25 : D7G130374

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-33 07/11/07 11:40 024				
Perchlorate	950	10	ng/L	SW846 6860
HTA-12 07/10/07 11:30 025				
Perchlorate	10000	200	ng/L	SW846 6860
Nitrate-Nitrite	2.1	0.10	mg/L	MCAWW 353.2
HTA-46 07/10/07 12:05 026				
2,4-Dinitrotoluene	0.11	0.20	ug/L	SW846 8330
	Qualifiers: J,COL			
RDX	4.6	0.20	ug/L	SW846 8330
Perchlorate	140	10	ng/L	SW846 6860
HTA-31 07/10/07 15:15 027				
Perchlorate	7200	200	ng/L	SW846 6860
Nitrate-Nitrite	3.3	0.10	mg/L	MCAWW 353.2
HTA-4 07/10/07 16:15 028				
Perchlorate	18000	500	ng/L	SW846 6860
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
HTA-43 07/10/07 13:20 030				
Perchlorate	39000	1000	ng/L	SW846 6860

METHODS SUMMARY

HTA-25

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330	SW846 3535
SW846 6860 Perchlorate	SW846 6860	SW846 6860

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

HTA-25

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 353.2	Roxanne K. Sullivan	001200
SW846 6860	Tim O'Donnell	000443
SW846 8330	Carrie Lahr	008835

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

HTA-25 : D7G130374

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J2WMQ	001	HTA-98	07/10/07	12:15
J2WMW	002	HTA-28	07/09/07	16:20
J2WMX	003	HTA-18	07/10/07	15:40
J2WM1	004	HTA-3	07/11/07	17:10
J2WM5	005	HTA-42	07/10/07	10:50
J2WNC	006	SMR1A	07/11/07	08:25
J2WNP	007	HTA-24	07/09/07	14:15
J2WN0	008	HTA-51 EB	07/09/07	18:00
J2WN2	009	HTA-20	07/10/07	16:40
J2WN3	010	HTA-25	07/11/07	14:15
J2WN4	011	HTA-50	07/11/07	09:55
J2WN5	012	HTA-27	07/09/07	15:00
J2WN7	013	HTA-32	07/10/07	17:10
J2WN8	014	HTA-45	07/10/07	14:20
J2WPC	015	HTA-16	07/10/07	13:45
J2WPE	016	HTA-99	07/10/07	16:45
J2WPF	017	HTA-23	07/11/07	13:20
J2WPG	018	HTA-22	07/11/07	16:10
J2WPJ	019	HTA-51	07/09/07	17:15
J2WPM	020	HTA-11	07/10/07	12:40
J2WPN	021	HTA-19	07/10/07	14:50
J2WPP	022	HTA-26	07/11/07	15:10
J2WPQ	023	HTA-14	07/11/07	17:20
J2WPV	024	HTA-33	07/11/07	11:40
J2WP0	025	HTA-12	07/10/07	11:30
J2WP6	026	HTA-46	07/10/07	12:05
J2WP9	027	HTA-31	07/10/07	15:15
J2WQE	028	HTA-4	07/10/07	16:15
J2WQL	029	HTA-34	07/10/07	10:40
J2WQQ	030	HTA-43	07/10/07	13:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...:	D7G130374-001	**Work Order #...:**	J2WMQ1AC	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 12:15	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/24/07		
Prep Batch #...:	7204476	**Analysis Time..:**	01:41		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**140**	**100**	**ng/L**	**8.8**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

HPLC

Lot-Sample #...:	D7G130374-002	**Work Order #...:**	J2WMW1AC	**Matrix.....:**	WATER
Date Sampled...:	07/09/07 16:20	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	02:56		
Dilution Factor:	5000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100000**	**500000**	**ng/L**	**44000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

HPLC

Lot-Sample #...:	D7G130374-003	**Work Order #...:**	J2WMX1AC	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 15:40	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	03:25		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3400000**	**1000000**	**ng/L**	**88000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

HPLC

Lot-Sample #...:	D7G130374-004	**Work Order #...:**	J2WM11AC	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 17:10	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	03:54		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2300**	**1000**	**ng/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

HPLC

Lot-Sample #...:	D7G130374-005	**Work Order #...:**	J2WM51AA	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 10:50	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	04:23		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5200**	**2000**	**ng/L**	**180**

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...:	D7G130374-006	**Work Order #...:**	J2WNC1AA	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 08:25	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/24/07		
Prep Batch #...:	7204476	**Analysis Time..:**	04:07		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**640**	**100**	**ng/L**	**8.8**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...:	D7G130374-007	**Work Order #...:**	J2WNP1AD	**Matrix.....:**	WATER
Date Sampled...:	07/09/07 14:15	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/24/07		
Prep Batch #...:	7204476	**Analysis Time..:**	04:36		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**70 J**	**100**	**ng/L**	**8.8**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51 EB

HPLC

Lot-Sample #...: D7G130374-008 **Work Order #...:** J2WN01AD **Matrix.....:** WATER
Date Sampled...: 07/09/07 18:00 **Date Received..:** 07/13/07
Prep Date.....: 07/14/07 **Analysis Date..:** 07/24/07
Prep Batch #...: 7204476 **Analysis Time..:** 05:05
Dilution Factor: 1
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	100	ng/L	8.8

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...:	D7G130374-009	**Work Order #...:**	J2WN21AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 16:40	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	04:53		
Dilution Factor:	100000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**25000000**	**10000000**	**ng/L**	**880000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...:	D7G130374-010	**Work Order #...:**	J2WN31AD	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 14:15	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	05:22		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**14000000**	**5000000**	**ng/L**	**440000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

HPLC

Lot-Sample #...:	D7G130374-011	**Work Order #...:**	J2WN41AA	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 09:55	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	07:18		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2500**	**1000**	**ng/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...:	D7G130374-012	**Work Order #...:**	J2WN51AD	**Matrix.....:**	WATER
Date Sampled...:	07/09/07 15:00	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/24/07		
Prep Batch #...:	7204476	**Analysis Time..:**	13:20		
Dilution Factor:	50				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**48000**	**5000**	**ng/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...:	D7G130374-013	**Work Order #...:**	J2WN71AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 17:10	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	07:48		
Dilution Factor:	2000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**390000**	**200000**	**ng/L**	**18000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

HPLC

Lot-Sample #...:	D7G130374-014	**Work Order #...:**	J2WN81AA	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 14:20	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	09:15		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3200**	**1000**	**ng/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...:	D7G130374-015	**Work Order #...:**	J2WPC1AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 13:45	**Date Received..:**	07/13/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/25/07		
Prep Batch #...:	7204476	**Analysis Time..:**	09:44		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**19000000**	**5000000**	**ng/L**	**440000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...:	D7G130374-016	**Work Order #...:**	J2WPE1AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 16:45	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/30/07		
Prep Batch #...:	7211233	**Analysis Time..:**	19:59		
Dilution Factor:	100000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**24000000**	**1000000**	**ng/L**	**880000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...:	D7G130374-017	**Work Order #...:**	J2WPF1AD	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 13:20	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/30/07		
Prep Batch #...:	7211233	**Analysis Time..:**	20:28		
Dilution Factor:	500				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**120000**	**5000**	**ng/L**	**4400**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...:	D7G130374-018	**Work Order #...:**	J2WPG1AD	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 16:10	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/30/07		
Prep Batch #...:	7211233	**Analysis Time..:**	20:58		
Dilution Factor:	5000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100000**	**50000**	**ng/L**	**44000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

HPLC

Lot-Sample #...:	D7G130374-019	**Work Order #...:**	J2WPJ1AA	**Matrix.....:**	WATER
Date Sampled...:	07/09/07 17:15	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/30/07		
Prep Batch #...:	7211233	**Analysis Time..:**	21:27		
Dilution Factor:	100				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**33000**	**1000**	**ng/L**	**880**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...:	D7G130374-020	**Work Order #...:**	J2WPM1AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 12:40	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/30/07		
Prep Batch #...:	7211233	**Analysis Time..:**	23:52		
Dilution Factor:	100000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**26000000**	**1000000**	**ng/L**	**880000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...:	D7G130374-021	**Work Order #...:**	J2WPN1AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 14:50	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/31/07		
Prep Batch #...:	7211233	**Analysis Time..:**	16:05		
Dilution Factor:	20000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7800000**	**200000**	**ng/L**	**180000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...:	D7G130374-022	**Work Order #...:**	J2WPP1AD	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 15:10	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/31/07		
Prep Batch #...:	7211233	**Analysis Time..:**	16:34		
Dilution Factor:	2000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**770000**	**20000**	**ng/L**	**18000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...:	D7G130374-023	**Work Order #...:**	J2WPQ1AD	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 17:20	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/31/07		
Prep Batch #...:	7211233	**Analysis Time..:**	01:20		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5700000**	**100000**	**ng/L**	**88000**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

HPLC

Lot-Sample #...:	D7G130374-024	**Work Order #...:**	J2WPV1AA	**Matrix.....:**	WATER
Date Sampled...:	07/11/07 11:40	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/31/07		
Prep Batch #...:	7211233	**Analysis Time..:**	01:49		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**950**	**10**	**ng/L**	**8.8**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...:	D7G130374-025	**Work Order #...:**	J2WP01AD	**Matrix.....:**	WATER
Date Sampled...:	07/10/07 11:30	**Date Received..:**	07/13/07		
Prep Date.....:	07/30/07	**Analysis Date..:**	07/31/07		
Prep Batch #...:	7211233	**Analysis Time..:**	02:18		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**10000**	**200**	**ng/L**	**180**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7G130374-026 **Work Order #...:** J2WP61AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:05 **Date Received..:** 07/13/07
Prep Date.....: 07/30/07 **Analysis Date..:** 07/31/07
Prep Batch #...: 7211233 **Analysis Time..:** 03:46
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**140**	**10**	**ng/L**	**8.8**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

HPLC

Lot-Sample #...: D7G130374-027 **Work Order #...:** J2WP91AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 15:15 **Date Received..:** 07/13/07
Prep Date.....: 07/30/07 **Analysis Date..:** 07/31/07
Prep Batch #...: 7211233 **Analysis Time..:** 04:15
Dilution Factor: 20
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7200**	**200**	**ng/L**	**180**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

HPLC

Lot-Sample #...: D7G130374-028 **Work Order #...:** J2WQE1AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:15 **Date Received..:** 07/13/07
Prep Date.....: 07/30/07 **Analysis Date..:** 07/31/07
Prep Batch #...: 7211233 **Analysis Time..:** 04:44
Dilution Factor: 50

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**500**	**ng/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

HPLC

Lot-Sample #...: D7G130374-029 **Work Order #...:** J2WQL1AA **Matrix.....:** WATER
Date Sampled...: 07/10/07 10:40 **Date Received..:** 07/13/07
Prep Date.....: 07/30/07 **Analysis Date..:** 07/31/07
Prep Batch #...: 7211233 **Analysis Time..:** 05:13
Dilution Factor: 1
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	10	ng/L	8.8

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...:	D7G130374-030	Work Order #...:	J2WQQ1AA	Matrix.....:	WATER
Date Sampled...:	07/10/07 13:20	Date Received..:	07/13/07		
Prep Date.....:	07/30/07	Analysis Date..:	07/31/07		
Prep Batch #...:	7211233	Analysis Time..:	05:42		
Dilution Factor:	100				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	39000	1000	ng/L	880

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...: D7G130374-001 **Work Order #...:** J2WMQ1AA **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:15 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 03:32
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...: D7G130374-001 **Work Order #...:** J2WMQ2AA **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:15 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 13:54
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	122 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7G130374-007 **Work Order #...:** J2WNP1AC **Matrix.....:** WATER
Date Sampled...: 07/09/07 14:15 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 04:23
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	112	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7G130374-007 **Work Order #...:** J2WNP2AC **Matrix.....:** WATER
Date Sampled...: 07/09/07 14:15 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 14:44
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	127 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51 EB

HPLC

Lot-Sample #...: D7G130374-008 **Work Order #...:** J2WN01AC **Matrix.....:** WATER
Date Sampled...: 07/09/07 18:00 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 05:13
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51 EB

HPLC

Lot-Sample #...: D7G130374-008 **Work Order #...:** J2WN02AC **Matrix.....:** WATER
Date Sampled...: 07/09/07 18:00 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 15:34
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	106	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...: D7G130374-009 **Work Order #...:** J2WN21AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:40 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/19/07
Prep Batch #...: 7197347 **Analysis Time..:** 11:46
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**58**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...: D7G130374-009 **Work Order #...:** J2WN22AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:40 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 13:23
Dilution Factor: 5
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**59**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...: D7G130374-010 **Work Order #...:** J2WN31AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 14:15 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 07:29
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**1.9 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...: D7G130374-010 **Work Order #...:** J2WN32AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 14:15 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 17:14
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**2.1 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7G130374-012 **Work Order #...:** J2WN51AC **Matrix.....:** WATER
Date Sampled...: 07/09/07 15:00 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 08:19
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	107	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7G130374-012 **Work Order #...:** J2WN52AC **Matrix.....:** WATER
Date Sampled...: 07/09/07 15:00 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 18:04
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	103	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...: D7G130374-013 **Work Order #...:** J2WN71AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 09:09
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	98	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...: D7G130374-013 **Work Order #...:** J2WN72AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 18:54
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...: D7G130374-015 **Work Order #...:** J2WPC1AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 13:45 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/19/07
Prep Batch #...: 7197347 **Analysis Time..:** 12:36
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.38 J**	**0.40**	**ug/L**	**0.18**
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**29**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...: D7G130374-015 **Work Order #...:** J2WPC2AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 13:45 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 14:13
Dilution Factor: 2
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.38 J**	**0.40**	**ug/L**	**0.18**
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**31**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...: D7G130374-016 **Work Order #...:** J2WPE1AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:45 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/19/07
Prep Batch #...: 7197347 **Analysis Time..:** 13:26
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**60**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...: D7G130374-016 **Work Order #...:** J2WPE2AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:45 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 15:03
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	1.0	ug/L	0.44
2,4-Dinitrotoluene	ND	1.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	ND	1.0	ug/L	0.44
Nitrobenzene	ND	1.0	ug/L	0.46
2-Nitrotoluene	ND	1.0	ug/L	0.43
3-Nitrotoluene	ND	1.0	ug/L	0.42
4-Nitrotoluene	ND	2.0	ug/L	1.0
RDX	**62**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	1.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	1.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...: D7G130374-017 **Work Order #...:** J2WPF1AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 13:20 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 13:19
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...: D7G130374-017 **Work Order #...:** J2WPF2AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 13:20 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 22:00
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	108	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...: D7G130374-018 **Work Order #...:** J2WPG1AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 16:10 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 14:09
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...: D7G130374-018 **Work Order #...:** J2WPG2AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 16:10 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 22:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	98	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...: D7G130374-020 **Work Order #...:** J2WPM1AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:40 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/19/07
Prep Batch #...: 7197347 **Analysis Time..:** 14:16
Dilution Factor: 10

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	2.0	ug/L	0.51
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L	0.58
1,3-Dinitrobenzene	ND	2.0	ug/L	0.89
2,4-Dinitrotoluene	ND	2.0	ug/L	0.84
2,6-Dinitrotoluene	ND	2.0	ug/L	0.64
HMX	ND	2.0	ug/L	0.88
Nitrobenzene	ND	2.0	ug/L	0.91
2-Nitrotoluene	ND	2.0	ug/L	0.86
3-Nitrotoluene	ND	2.0	ug/L	0.83
4-Nitrotoluene	ND	4.0	ug/L	2.0
RDX	**110**	**2.0**	**ug/L**	**0.52**
Tetryl	ND	2.0	ug/L	0.79
1,3,5-Trinitrobenzene	ND	2.0	ug/L	2.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.72

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...: D7G130374-020 **Work Order #...:** J2WPM2AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:40 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 15:53
Dilution Factor: 10

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	2.0	ug/L	0.51
4-Amino-2,6-dinitrotoluene	ND	2.0	ug/L	0.58
1,3-Dinitrobenzene	ND	2.0	ug/L	0.89
2,4-Dinitrotoluene	ND	2.0	ug/L	0.84
2,6-Dinitrotoluene	ND	2.0	ug/L	0.64
HMX	ND	2.0	ug/L	0.88
Nitrobenzene	ND	2.0	ug/L	0.91
2-Nitrotoluene	ND	2.0	ug/L	0.86
3-Nitrotoluene	ND	2.0	ug/L	0.83
4-Nitrotoluene	ND	4.0	ug/L	2.0
RDX	**110**	**2.0**	**ug/L**	**0.52**
Tetryl	ND	2.0	ug/L	0.79
1,3,5-Trinitrobenzene	ND	2.0	ug/L	2.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.72

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...: D7G130374-021 **Work Order #...:** J2WPN1AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 14:50 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 16:25
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**0.20**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...: D7G130374-021 **Work Order #...:** J2WPN2AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 14:50 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 00:30
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**0.35**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	107	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...: D7G130374-022 **Work Order #...:** J2WPP1AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 15:10 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 17:15
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**1.4 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	100	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...: D7G130374-022 **Work Order #...:** J2WPP2AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 15:10 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 01:20
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**1.8 COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7G130374-023 **Work Order #...:** J2WPQ1AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 17:20 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/19/07
Prep Batch #...: 7197347 **Analysis Time..:** 15:06
Dilution Factor: 2
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	ND	0.40	ug/L	0.18
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**36**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	78	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7G130374-023 **Work Order #...:** J2WPQ2AC **Matrix.....:** WATER
Date Sampled...: 07/11/07 17:20 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 16:43
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.40	ug/L	0.18
2,4-Dinitrotoluene	ND	0.40	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.50**	**0.40**	**ug/L**	**0.18**
Nitrobenzene	ND	0.40	ug/L	0.18
2-Nitrotoluene	ND	0.40	ug/L	0.17
3-Nitrotoluene	ND	0.40	ug/L	0.17
4-Nitrotoluene	ND	0.80	ug/L	0.40
RDX	**37**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	0.40	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...: D7G130374-025 **Work Order #...:** J2WP01AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:30 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 18:55
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...: D7G130374-025 **Work Order #...:** J2WP02AC **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:30 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 03:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7G130374-026 **Work Order #...:** J2WP61AA **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:05 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 19:46
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	ND	0.20	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7G130374-026 **Work Order #...:** J2WP62AA **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:05 **Date Received..:** 07/13/07
Prep Date.....: 07/23/07 **Analysis Date..:** 07/26/07
Prep Batch #...: 7204229 **Analysis Time..:** 03:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.20	ug/L	0.089
2,4-Dinitrotoluene	**0.11 J,COL**	**0.20**	**ug/L**	**0.084**
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.20	ug/L	0.088
Nitrobenzene	ND	0.20	ug/L	0.091
2-Nitrotoluene	ND	0.20	ug/L	0.086
3-Nitrotoluene	ND	0.20	ug/L	0.083
4-Nitrotoluene	ND	0.40	ug/L	0.20
RDX	**4.6**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	0.20	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.20	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	154 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

General Chemistry

Lot-Sample #...: D7G130374-002 **Work Order #...:** J2WMW **Matrix.....:** WATER
Date Sampled...: 07/09/07 16:20 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

General Chemistry

Lot-Sample #...: D7G130374-003 **Work Order #...:** J2WMX **Matrix.....:** WATER
Date Sampled...: 07/10/07 15:40 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**
	Dilution Factor: 5			Analysis Time..: 09:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

General Chemistry

Lot-Sample #...: D7G130374-004 **Work Order #...:** J2WM1 **Matrix.....:** WATER
Date Sampled...: 07/11/07 17:10 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**2.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

General Chemistry

Lot-Sample #...: D7G130374-007 **Work Order #...:** J2WNP **Matrix.....:** WATER
Date Sampled...: 07/09/07 14:15 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**0.025 B**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51 EB

General Chemistry

Lot-Sample #...: D7G130374-008 **Work Order #...:** J2WN0 **Matrix.....:** WATER
Date Sampled...: 07/09/07 18:00 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**0.036 B**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

General Chemistry

Lot-Sample #...: D7G130374-009 **Work Order #...:** J2WN2 **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:40 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**11 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

General Chemistry

Lot-Sample #...: D7G130374-010 **Work Order #...:** J2WN3 **Matrix.....:** WATER
Date Sampled...: 07/11/07 14:15 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.5 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**
	Dilution Factor: 5			Analysis Time..: 09:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

General Chemistry

Lot-Sample #...: D7G130374-012 **Work Order #...:** J2WN5 **Matrix.....:** WATER
Date Sampled...: 07/09/07 15:00 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**0.69**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

General Chemistry

Lot-Sample #...: D7G130374-013 **Work Order #...:** J2WN7 **Matrix.....:** WATER
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**8.5 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**
	Dilution Factor: 5			Analysis Time..: 09:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

General Chemistry

Lot-Sample #...: D7G130374-015 **Work Order #...:** J2WPC **Matrix.....:** WATER
Date Sampled...: 07/10/07 13:45 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**9.3 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**
	Dilution Factor: 5			Analysis Time..: 09:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

General Chemistry

Lot-Sample #...: D7G130374-016 **Work Order #...:** J2WPE **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:45 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**10 Q**	**0.20**	**mg/L**	**MCAWW 353.2**	**07/26/07**	**7208217**
	Dilution Factor: 2			Analysis Time..: 09:00	MDL.....: 0.038	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

General Chemistry

Lot-Sample #...: D7G130374-017 **Work Order #...:** J2WPF **Matrix.....:** WATER
Date Sampled...: 07/11/07 13:20 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**1.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**
	Dilution Factor: 1			Analysis Time..: 09:00	MDL.....: 0.019	

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

General Chemistry

Lot-Sample #...: D7G130374-018 **Work Order #...:** J2WPG **Matrix.....:** WATER
Date Sampled...: 07/11/07 16:10 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**7.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/26/07**	**7208217**
	Dilution Factor: 1			Analysis Time..: 09:00	MDL.....: 0.019	

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

General Chemistry

Lot-Sample #...: D7G130374-020 **Work Order #...:** J2WPM **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:40 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**12 Q**	**0.20**	**mg/L**	**MCAWW 353.2**	**07/26/07**	**7208217**

Dilution Factor: 2 Analysis Time..: 09:00 MDL.....: 0.038

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

General Chemistry

Lot-Sample #...: D7G130374-021 **Work Order #...:** J2WPN **Matrix.....:** WATER
Date Sampled...: 07/10/07 14:50 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**21 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**
	Dilution Factor: 5			Analysis Time..: 09:00	MDL.....: 0.096	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

General Chemistry

Lot-Sample #...: D7G130374-022 **Work Order #...:** J2WPP **Matrix.....:** WATER
Date Sampled...: 07/11/07 15:10 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**4.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

General Chemistry

Lot-Sample #...: D7G130374-023 **Work Order #...:** J2WPQ **Matrix.....:** WATER
Date Sampled...: 07/11/07 17:20 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**9.1 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 5 Analysis Time..: 09:00 MDL.....: 0.096

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

General Chemistry

Lot-Sample #...: D7G130374-025 **Work Order #...:** J2WP0 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:30 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**2.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

General Chemistry

Lot-Sample #...: D7G130374-027 **Work Order #...:** J2WP9 **Matrix.....:** WATER
Date Sampled...: 07/10/07 15:15 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**3.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

General Chemistry

Lot-Sample #...: D7G130374-028 **Work Order #...:** J2WQE **Matrix.....:** WATER
Date Sampled...: 07/10/07 16:15 **Date Received..:** 07/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**07/24/07**	**7206386**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 0.019

QC DATA ASSOCIATION SUMMARY

HTA-25 : D7G130374

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	SW846 6860		7204476	7204249
002	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
003	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
004	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
005	WATER	SW846 6860		7204476	7204249
006	WATER	SW846 6860		7204476	7204249
007	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
008	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
009	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
010	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
011	WATER	SW846 6860		7204476	7204249
012	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249

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QC DATA ASSOCIATION SUMMARY

HTA-25 : D7G130374

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
014	WATER	SW846 6860		7204476	7204249
015	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7204476	7204249
016	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7208217	7208118
	WATER	SW846 6860		7211233	7211115
017	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115
018	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7208217	7208118
	WATER	SW846 6860		7211233	7211115
019	WATER	SW846 6860		7211233	7211115
020	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7208217	7208118
	WATER	SW846 6860		7211233	7211115
021	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115
022	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-25 : D7G130374

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
023	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115
024	WATER	SW846 6860		7211233	7211115
025	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115
026	WATER	SW846 8330		7197347	7197201
	WATER	SW846 8330		7204229	
	WATER	SW846 6860		7211233	7211115
027	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115
028	WATER	MCAWW 353.2		7206386	7206227
	WATER	SW846 6860		7211233	7211115
029	WATER	SW846 6860		7211233	7211115
030	WATER	SW846 6860		7211233	7211115

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3EP91AA **Matrix.....:** WATER
MB Lot-Sample #: R7G230000-476

Prep Date.....: 07/14/07 **Analysis Time..:** 20:21
Analysis Date..: 07/23/07 **Prep Batch #...:** 7204476
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	100	ng/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3T5X1AA **Matrix.....:** WATER
MB Lot-Sample #: R7G300000-233

Prep Date.....: 07/30/07 **Analysis Time..:** 18:32
Analysis Date..: 07/30/07 **Prep Batch #...:** 7211233
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	10	ng/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3EP91AC **Matrix.....:** WATER
LCS Lot-Sample#: R7G230000-476
Prep Date.....: 07/14/07 **Analysis Date..:** 07/23/07
Prep Batch #...: 7204476 **Analysis Time..:** 20:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**93**	**(80 - 120)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3EP91AC **Matrix.....:** WATER
LCS Lot-Sample#: R7G230000-476
Prep Date.....: 07/14/07 **Analysis Date..:** 07/23/07
Prep Batch #...: 7204476 **Analysis Time..:** 20:50
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**100**	**92.7**	**ng/L**	**93**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3T5X1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7G300000-233
Prep Date.....: 07/30/07 **Analysis Date..:** 07/30/07
Prep Batch #...: 7211233 **Analysis Time..:** 19:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**91**	**(80 - 120)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3T5X1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7G300000-233
Prep Date.....: 07/30/07 **Analysis Date..:** 07/30/07
Prep Batch #...: 7211233 **Analysis Time..:** 19:01
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**100**	**91.2**	**ng/L**	**91**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2WN71AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G130374-013 J2WN71AK-MSD
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07
Prep Date.....: 07/14/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204476 **Analysis Time..:** 08:17
Dilution Factor: 2000

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**112**	**(80 - 120)**			**SW846 6860**
	108	**(80 - 120)**	**1.4**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2WN71AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G130374-013 J2WN71AK-MSD
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07
Prep Date.....: 07/14/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204476 **Analysis Time..:** 08:17
Dilution Factor: 2000

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**390000**	**200000**	**616000**	**ng/L**	**112**		**SW846 6860**
	390000	**200000**	**607000**	**ng/L**	**108**	**1.4**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...:	HTA-25	**Work Order #...:**	J2L9K1DD-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	D7G110157-002		J2L9K1DE-MSD		
Date Sampled...:	07/10/07 12:17	**Date Received..:**	07/11/07		
Prep Date.....:	07/14/07	**Analysis Date..:**	07/23/07		
Prep Batch #...:	7204476	**Analysis Time..:**	22:17		
Dilution Factor:	1				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**69 a**	**(80 - 120)**			**SW846 6860**
	78 a	**(80 - 120)**	**1.2**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2L9K1DD-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G110157-002 J2L9K1DE-MSD
Date Sampled...: 07/10/07 12:17 **Date Received..:** 07/11/07
Prep Date.....: 07/14/07 **Analysis Date..:** 07/23/07
Prep Batch #...: 7204476 **Analysis Time..:** 22:17
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**630**	**100**	**704**	**ng/L**	**69 a**		**SW846 6860**
	630	**100**	**713**	**ng/L**	**78 a**	**1.2**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2WPJ1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G130374-019 J2WPJ1AD-MSD
Date Sampled...: 07/09/07 17:15 **Date Received..:** 07/13/07
Prep Date.....: 07/30/07 **Analysis Date..:** 07/30/07
Prep Batch #...: 7211233 **Analysis Time..:** 21:56
Dilution Factor: 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(80 - 120)**			**SW846 6860**
	109	**(80 - 120)**	**2.3**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2WPJ1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G130374-019 J2WPJ1AD-MSD
Date Sampled...: 07/09/07 17:15 **Date Received..:** 07/13/07
Prep Date.....: 07/30/07 **Analysis Date..:** 07/30/07
Prep Batch #...: 7211233 **Analysis Time..:** 21:56
Dilution Factor: 100

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**33000**	**10000**	**42600**	**ng/L**	**99**		**SW846 6860**
	33000	**10000**	**43600**	**ng/L**	**109**	**2.3**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J20T61AA **Matrix.....:** WATER
MB Lot-Sample #: D7G160000-347

Prep Date.....: 07/16/07 **Analysis Time..:** 01:02
Analysis Date..: 07/18/07 **Prep Batch #...:** 7197347
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Nitrotoluene	ND	0.40	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	99	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3DT81AA **Matrix.....:** WATER
MB Lot-Sample #: D7G230000-229

Prep Date.....: 07/23/07 **Analysis Time..:** 11:24
Analysis Date..: 07/25/07 **Prep Batch #...:** 7204229
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Nitrotoluene	ND	0.40	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J20T61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7G160000-347 J20T61AD-LCSD
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 01:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	101	(75 - 115)			SW846 8330
	90	(75 - 115)	12	(0-18)	SW846 8330
4-Amino-2,6-dinitrotoluene	79	(57 - 115)			SW846 8330
	69	(57 - 115)	14	(0-22)	SW846 8330
1,3-Dinitrobenzene	93	(78 - 115)			SW846 8330
	80	(78 - 115)	15	(0-19)	SW846 8330
2,4-Dinitrotoluene	91	(75 - 115)			SW846 8330
	76	(75 - 115)	19	(0-21)	SW846 8330
2,6-Dinitrotoluene	89	(77 - 115)			SW846 8330
	73 a	(77 - 115)	20	(0-20)	SW846 8330
HMX	100	(78 - 115)			SW846 8330
	103	(78 - 115)	3.0	(0-26)	SW846 8330
Nitrobenzene	71	(51 - 115)			SW846 8330
	44 a,p	(51 - 115)	48	(0-32)	SW846 8330
2-Nitrotoluene	62	(35 - 115)			SW846 8330
	31 a,p	(35 - 115)	68	(0-43)	SW846 8330
3-Nitrotoluene	70	(30 - 115)			SW846 8330
	37	(30 - 115)	61	(0-74)	SW846 8330
4-Nitrotoluene	80	(40 - 115)			SW846 8330
	52	(40 - 115)	43	(0-44)	SW846 8330
RDX	92	(69 - 118)			SW846 8330
	92	(69 - 118)	0.21	(0-37)	SW846 8330
Tetryl	101	(69 - 127)			SW846 8330
	97	(69 - 127)	3.6	(0-24)	SW846 8330
1,3,5-Trinitrobenzene	92	(73 - 122)			SW846 8330
	83	(73 - 122)	11	(0-21)	SW846 8330
2,4,6-Trinitrotoluene	97	(73 - 116)			SW846 8330
	88	(73 - 116)	10	(0-19)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)
	81	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J20T61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7G160000-347 J20T61AD-LCSD
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 01:52
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**2.02**	**ug/L**	**101**		**SW846 8330**
	2.00	**1.80**	**ug/L**	**90**	**12**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.59**	**ug/L**	**79**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**69**	**14**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.86**	**ug/L**	**93**		**SW846 8330**
	2.00	**1.60**	**ug/L**	**80**	**15**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.82**	**ug/L**	**91**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**76**	**19**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.78**	**ug/L**	**89**		**SW846 8330**
	2.00	**1.46 a**	**ug/L**	**73**	**20**	**SW846 8330**
HMX	**2.00**	**2.00**	**ug/L**	**100**		**SW846 8330**
	2.00	**2.06**	**ug/L**	**103**	**3.0**	**SW846 8330**
Nitrobenzene	**2.00**	**1.42**	**ug/L**	**71**		**SW846 8330**
	2.00	**0.872 a,p**	**ug/L**	**44**	**48**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.25**	**ug/L**	**62**		**SW846 8330**
	2.00	**0.615 a,p**	**ug/L**	**31**	**68**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.40**	**ug/L**	**70**		**SW846 8330**
	2.00	**0.742**	**ug/L**	**37**	**61**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.60**	**ug/L**	**80**		**SW846 8330**
	2.00	**1.03**	**ug/L**	**52**	**43**	**SW846 8330**
RDX	**2.00**	**1.85**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.84**	**ug/L**	**92**	**0.21**	**SW846 8330**
Tetryl	**2.00**	**2.02**	**ug/L**	**101**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**97**	**3.6**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.84**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.66**	**ug/L**	**83**	**11**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.94**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.75**	**ug/L**	**88**	**10**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)
	81	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3DT81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7G230000-229 J3DT81AD-LCSD
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 12:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**111**	**(75 - 115)**			**SW846 8330**
	112	**(75 - 115)**	**0.80**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**88**	**(57 - 115)**			**SW846 8330**
	87	**(57 - 115)**	**1.5**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**106**	**(78 - 115)**			**SW846 8330**
	110	**(78 - 115)**	**4.2**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**103**	**(75 - 115)**			**SW846 8330**
	107	**(75 - 115)**	**3.6**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**104**	**(77 - 115)**			**SW846 8330**
	105	**(77 - 115)**	**0.91**	**(0-20)**	**SW846 8330**
HMX	**107**	**(78 - 115)**			**SW846 8330**
	113	**(78 - 115)**	**4.7**	**(0-26)**	**SW846 8330**
Nitrobenzene	**88**	**(51 - 115)**			**SW846 8330**
	86	**(51 - 115)**	**1.6**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**76**	**(35 - 115)**			**SW846 8330**
	74	**(35 - 115)**	**3.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**79**	**(30 - 115)**			**SW846 8330**
	81	**(30 - 115)**	**2.8**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**90**	**(40 - 115)**			**SW846 8330**
	88	**(40 - 115)**	**1.5**	**(0-44)**	**SW846 8330**
RDX	**100**	**(69 - 118)**			**SW846 8330**
	105	**(69 - 118)**	**4.3**	**(0-37)**	**SW846 8330**
Tetryl	**117**	**(69 - 127)**			**SW846 8330**
	121	**(69 - 127)**	**3.5**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**104**	**(73 - 122)**			**SW846 8330**
	108	**(73 - 122)**	**3.4**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**109**	**(73 - 116)**			**SW846 8330**
	112	**(73 - 116)**	**3.1**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	103	(75 - 118)
	107	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J3DT81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7G230000-229 J3DT81AD-LCSD
Prep Date.....: 07/23/07 **Analysis Date..:** 07/25/07
Prep Batch #...: 7204229 **Analysis Time..:** 12:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**2.22**	**ug/L**	**111**		**SW846 8330**
	2.00	**2.24**	**ug/L**	**112**	**0.80**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.76**	**ug/L**	**88**		**SW846 8330**
	2.00	**1.73**	**ug/L**	**87**	**1.5**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**2.12**	**ug/L**	**106**		**SW846 8330**
	2.00	**2.21**	**ug/L**	**110**	**4.2**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**2.07**	**ug/L**	**103**		**SW846 8330**
	2.00	**2.14**	**ug/L**	**107**	**3.6**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**2.07**	**ug/L**	**104**		**SW846 8330**
	2.00	**2.09**	**ug/L**	**105**	**0.91**	**SW846 8330**
HMX	**2.00**	**2.15**	**ug/L**	**107**		**SW846 8330**
	2.00	**2.25**	**ug/L**	**113**	**4.7**	**SW846 8330**
Nitrobenzene	**2.00**	**1.75**	**ug/L**	**88**		**SW846 8330**
	2.00	**1.73**	**ug/L**	**86**	**1.6**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.52**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.47**	**ug/L**	**74**	**3.0**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.58**	**ug/L**	**79**		**SW846 8330**
	2.00	**1.62**	**ug/L**	**81**	**2.8**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.80**	**ug/L**	**90**		**SW846 8330**
	2.00	**1.77**	**ug/L**	**88**	**1.5**	**SW846 8330**
RDX	**2.00**	**2.01**	**ug/L**	**100**		**SW846 8330**
	2.00	**2.10**	**ug/L**	**105**	**4.3**	**SW846 8330**
Tetryl	**2.00**	**2.34**	**ug/L**	**117**		**SW846 8330**
	2.00	**2.42**	**ug/L**	**121**	**3.5**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**2.08**	**ug/L**	**104**		**SW846 8330**
	2.00	**2.15**	**ug/L**	**108**	**3.4**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.18**	**ug/L**	**109**		**SW846 8330**
	2.00	**2.24**	**ug/L**	**112**	**3.1**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	103	(75 - 118)
	107	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2WN71AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G130374-013 J2WN71AH-MSD
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 09:59
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**111**	**(75 - 115)**			**SW846 8330**
	106	**(75 - 115)**	**6.7**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**83**	**(57 - 115)**			**SW846 8330**
	77	**(57 - 115)**	**8.4**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**102**	**(78 - 115)**			**SW846 8330**
	103	**(78 - 115)**	**1.3**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**105**	**(75 - 115)**			**SW846 8330**
	100	**(75 - 115)**	**7.0**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**102**	**(77 - 115)**			**SW846 8330**
	96	**(77 - 115)**	**7.4**	**(0-20)**	**SW846 8330**
HMX	**114**	**(78 - 115)**			**SW846 8330**
	115	**(78 - 115)**	**1.2**	**(0-26)**	**SW846 8330**
Nitrobenzene	**100**	**(51 - 115)**			**SW846 8330**
	109	**(51 - 115)**	**6.9**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**61**	**(35 - 115)**			**SW846 8330**
	65	**(35 - 115)**	**4.6**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**63**	**(30 - 115)**			**SW846 8330**
	77	**(30 - 115)**	**18**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**81**	**(40 - 115)**			**SW846 8330**
	88	**(40 - 115)**	**6.9**	**(0-44)**	**SW846 8330**
RDX	**105**	**(69 - 118)**			**SW846 8330**
	105	**(69 - 118)**	**1.9**	**(0-37)**	**SW846 8330**
Tetryl	**92**	**(69 - 127)**			**SW846 8330**
	98	**(69 - 127)**	**4.4**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**92**	**(73 - 122)**			**SW846 8330**
	94	**(73 - 122)**	**0.32**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**104**	**(73 - 116)**			**SW846 8330**
	100	**(73 - 116)**	**5.5**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	98	(75 - 118)
	96	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-25 **Work Order #...:** J2WN71AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D7G130374-013 J2WN71AH-MSD
Date Sampled...: 07/10/07 17:10 **Date Received..:** 07/13/07
Prep Date.....: 07/16/07 **Analysis Date..:** 07/18/07
Prep Batch #...: 7197347 **Analysis Time..:** 09:59
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	1.99	2.22	ug/L	111		SW846 8330
	ND	1.96	2.07	ug/L	106	6.7	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	1.99	1.64	ug/L	83		SW846 8330
	ND	1.96	1.51	ug/L	77	8.4	SW846 8330
1,3-Dinitrobenzene	ND	1.99	2.04	ug/L	102		SW846 8330
	ND	1.96	2.01	ug/L	103	1.3	SW846 8330
2,4-Dinitrotoluene	ND	1.99	2.10	ug/L	105		SW846 8330
	ND	1.96	1.96	ug/L	100	7.0	SW846 8330
2,6-Dinitrotoluene	ND	1.99	2.02	ug/L	102		SW846 8330
	ND	1.96	1.88	ug/L	96	7.4	SW846 8330
HMX	ND	1.99	2.28	ug/L	114		SW846 8330
	ND	1.96	2.25	ug/L	115	1.2	SW846 8330
Nitrobenzene	ND	1.99	1.99	ug/L	100		SW846 8330
	ND	1.96	2.14	ug/L	109	6.9	SW846 8330
2-Nitrotoluene	ND	1.99	1.21	ug/L	61		SW846 8330
	ND	1.96	1.26	ug/L	65	4.6	SW846 8330
3-Nitrotoluene	ND	1.99	1.25	ug/L	63		SW846 8330
	ND	1.96	1.50	ug/L	77	18	SW846 8330
4-Nitrotoluene	ND	1.99	1.61	ug/L	81		SW846 8330
	ND	1.96	1.73	ug/L	88	6.9	SW846 8330
RDX	ND	1.99	2.09	ug/L	105		SW846 8330
	ND	1.96	2.05	ug/L	105	1.9	SW846 8330
Tetryl	ND	1.99	1.84	ug/L	92		SW846 8330
	ND	1.96	1.92	ug/L	98	4.4	SW846 8330
1,3,5-Trinitrobenzene	ND	1.99	1.83	ug/L	92		SW846 8330
	ND	1.96	1.84	ug/L	94	0.32	SW846 8330
2,4,6-Trinitrotoluene	ND	1.99	2.08	ug/L	104		SW846 8330
	ND	1.96	1.97	ug/L	100	5.5	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	98	(75 - 118)
	96	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-25 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		Work Order #: J3JCL1AA		MB Lot-Sample #:	D7G250000-386	
	ND	0.10	mg/L	MCAWW 353.2	07/24/07	7206386
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Nitrate-Nitrite		Work Order #: J3N8R1AA		MB Lot-Sample #:	D7G270000-217	
	ND	0.10	mg/L	MCAWW 353.2	07/26/07	7208217
		Dilution Factor: 1				
		Analysis Time..: 09:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-25 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:J3JCL1AC-LCS/J3JCL1AD-LCSD LCS Lot-Sample#: D7G250000-386					
	102	(90 - 112)			MCAWW 353.2	07/24/07	7206386
	103	(90 - 112)	1.2	(0-10)	MCAWW 353.2	07/24/07	7206386
		Dilution Factor: 1			Analysis Time..: 09:00		
Nitrate-Nitrite		WO#:J3N8R1AC-LCS/J3N8R1AD-LCSD LCS Lot-Sample#: D7G270000-217					
	102	(90 - 112)			MCAWW 353.2	07/26/07	7208217
	103	(90 - 112)	1.1	(0-10)	MCAWW 353.2	07/26/07	7208217
		Dilution Factor: 1			Analysis Time..: 09:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-25 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:J3JCL1AC-LCS/J3JCL1AD-LCSD		LCS Lot-Sample#: D7G250000-386				
	4.00	4.08	mg/L	102		MCAWW 353.2	07/24/07	7206386
	4.00	4.13	mg/L	103	1.2	MCAWW 353.2	07/24/07	7206386
		Dilution Factor: 1		Analysis Time..: 09:00				
Nitrate-Nitrite		WO#:J3N8R1AC-LCS/J3N8R1AD-LCSD		LCS Lot-Sample#: D7G270000-217				
	4.00	4.06	mg/L	102		MCAWW 353.2	07/26/07	7208217
	4.00	4.11	mg/L	103	1.1	MCAWW 353.2	07/26/07	7208217
		Dilution Factor: 1		Analysis Time..: 09:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-25 **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:40 **Date Received..:** 07/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#: J2WN71AE-MS/J2WN71AF-MSD				MS Lot-Sample #: D7G130374-013	
	85	(72 - 113)			MCAWW 353.2	07/24/07	7206386
	84	(72 - 113)	1.2	(0-17)	MCAWW 353.2	07/24/07	7206386
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Nitrate-Nitrite		WO#: J2WPM1AE-MS/J2WPM1AF-MSD				MS Lot-Sample #: D7G130374-020	
	83 I	(72 - 113)			MCAWW 353.2	07/26/07	7208217
	83 I	(72 - 113)	0.15	(0-17)	MCAWW 353.2	07/26/07	7208217
		Dilution Factor: 1					
		Analysis Time..: 09:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-25 **Matrix.....:** WATER
Date Sampled...: 07/10/07 12:40 **Date Received..:** 07/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite			WO#: J2WN71AE-MS/J2WN71AF-MSD				MS Lot-Sample #: D7G130374-013		
	8.5	20.0	25.5	mg/L	85		MCAWW 353.2	07/24/07	7206386
	8.5	20.0	25.2	mg/L	84	1.2	MCAWW 353.2	07/24/07	7206386
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Nitrate-Nitrite			WO#: J2WPM1AE-MS/J2WPM1AF-MSD				MS Lot-Sample #: D7G130374-020		
	12	8.00	18.8 I	mg/L	83		MCAWW 353.2	07/26/07	7208217
	12	8.00	18.8 I	mg/L	83	0.15	MCAWW 353.2	07/26/07	7208217
			Dilution Factor: 1						
			Analysis Time..: 09:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

0.4°C
#
7.13.07
IR2

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

6 OF 6

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 135506
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 8565 9209 9699
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
7/10/07	1215	HTA-98	GROUND WATER	2	~~E353.2 (NO_2 + NO_3),~~ SW8330 (explosives by HPLC), and 6860 (perchlorate)	ENVIRONMENTAL SAMPLE
7/9/07	1620	HTA-28	"	2	N+N E353.2 PERC. 6860	"
7/10/07	1540	HTA-18	"	2	"	"
7/11/07	1710	HTA-3	"	2	"	"
7/10/07	1050	HTA-42	"	1	PERC 6860	"
7/11/07	0825	SMR1A	"	1	"	"

1-195

Additional Comments
Please batch all samples collected during the week of July 9, 2007. Thanks.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick G. Gebhardt	TO FEDERAL EXPRESS	7/12/07	1030
	Peggy Hughes	7/13/07	0830

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 421-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

October 2007

34
#
7.13.07
1R2

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 135502
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 856592099696
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
7/9/07	1415	HTA-24	GROUND WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and 6860 (perchlorate)	ENVIRONMENTAL SAMPLE
7/9/07	1800	HTA-51 EB	ULTRA PURE WATER	3	"	EQUIPMENT BLANK
7/10/07	1640	HTA-20	GROUND WATER	3	"	ENVIRONMENTAL SAMPLE
7/11/07	1415	HTA-25	"	3	"	"
7/11/07	0955	HTA-50	"	1	PERC. 6860	"

Additional Comments
Please batch all samples collected during the week of July 9, 2007. Thanks.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick S. Gebhardt	TO FEDERAL EXPRESS	7/12/07	1030
	Peggy Langford	7/13/07	0830

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 421-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents:
Contents Temperature:
Laboratory Project Number:

October 2007

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

3 OF 6

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 135503
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 8565 9209 969

Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
7/9/07	1500	HTA-27	GROUND WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and 6860 (perchlorate)	ENVIRONMENTAL SAMPLE
7/10/07	1710	HTA-32	"	3	"	"
7/10/07	1710	HTA-32 MS	"	3	"	MATRIX SPIKE
7/10/07	1710	HTA-32 MSD	"	3	"	MATRIX SPIKE DUPLICATE
7/10/07	1420	HTA-45	"	1	PERC, 6860	ENVIRONMENTAL SAMPLE

1-197

Additional Comments
Please batch all samples collected during the week of July 9, 2007. Thanks.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	7/12/07	1030
	[signature]	7/13/07	0830

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 421-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents:
Contents Temperature:
Laboratory Project Number:

October 2007

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7-13-07
122

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

1 OF 6

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: ANDREW ROBERTSON	Seal Number: 13550 ~~8565920996~~
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: ANDREW ROBERTSON	Airbill Number: 856592099680
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: [X] Done [ ] Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
7/10/07	1345	HTA-16	GROUND WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and 6860 (perchlorate)	ENVIRONMENTAL SAMPLE
7/10/07	1645	HTA-99	"	3	"	"
7/11/07	1320	HTA-23	"	3	"	"
7/11/07	1610	HTA-22	"	3	"	"
7/9/07	1715	HTA-51	"	1	PERC. 6860	"

Additional Comments
Please batch all samples collected during the week of July 9, 2007. Thanks.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	7/12/07	1030	Severn Trent Lab 4955 Yarrow Street Arvada, CO 80002 ph: (303) 421-0176 Attention: Mary Dawson	Condition of Contents
	Peggy Knight	7/13/07	0830		Contents Temperature
					Laboratory Project Number

October 2007

1-198

1.2 cc 4 7.1507 12-2

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

4 OF 6

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: ANDREW ROBERTSON
Seal Number: 135504
Delivered to Shipper by: ANDREW ROBERTSON
Airbill Number: 8565 9209 9690
Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
7/10/07	1240	HTA-11	GROUND WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and 6860 (perchlorate)	ENVIRONMENTAL SAMPLE
7/10/07	1450	HTA-19	"	3	"	"
7/11/07	1510	HTA-26	"	3	"	"
7/11/07	1720	HTA-14	"	3	"	"
7/11/07	1140	HTA-33	"	1	PERC. 6860	"

Additional Comments
Please batch all samples collected during the week of July 9, 2007. Thanks.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	7/12/07	1030
	Peggy Hooper	7/13/07	0830

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
Severn Trent Lab
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 421-0176

Attention: Mary Dawson

Seal Intact upon Receipt: [ ] Yes [ ] No
Condition of Contents
Contents Temperature
Laboratory Project Number

October 2007

I-199

4.7°C

M 7-15-07 12

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

5 OF 6

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: ANDREW ROBERTSON	Seal Number: 135505
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: ANDREW ROBERTSON	Airbill Number: 856592099 69
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: [X] Done [ ] Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
7/10/07	1130	HTA-12	GROUND WATER	3	E353.2 (NO_2 + NO_3), SW8330 (explosives by HPLC), and 6860 (perchlorate)	ENVIRONMENTAL SAMPLE
7/10/07	1205	HTA-46	"	2	RDX 8330 PERC. 6860	"
7/10/07	1515	HTA-31	"	2	N+N E353.2 PERC. 6860	"
7/10/07	1615	HTA-4	"	2	"	"
7/10/07	1040	HTA-34	"	1	PERC. 6860	"
7/10/07	1320	HTA-43	"	1	"	"

1-200

Additional Comments
Please batch all samples collected during the week of July 9, 2007. Thanks.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
Fredrick F. Gebhardt	TO FEDERAL EXPRESS	7/12/07	1030	Severn Trent Lab 4955 Yarrow Street Arvada, CO 80002 ph: (303) 421-0176 Attention: Mary Dawson	Condition of Contents
	Peggy Humphries	7/13/07	0830		Contents Temperature
					Laboratory Project Number

October 2007

STL Denver

Sample Receiving Checklist

Lot #: D7G130374 Date/Time Received: 7/13/07 0830

Company Name & Sampling Site: USGS - White Sands

PM to Complete This Section: *Yes* *No* — Residual chlorine check required: ☐ ☒

Quarantined: *Yes* ☐ *No* ☒

Quote #: 24783

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s):	6							
Temperatures (°C):	0.4°	3.4°	3.8	2.1°	1.2°	4.7°		

N/A	*Yes*	*No*		*Initials*
☐	☑	☐	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	☑	☐	2. Chain of custody present? If no, document on CUR.	
	☐	☑	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	☐	☑	4. Multiphasic samples obvious? If yes, document on CUR.	
	☑	☐	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
☐	☑	☐	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☑	☐	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☑	☐	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☑	☐	☐	9. Were VOA samples without headspace? If no, document on CUR.	
☑	☐	☐	10. Were VOA vials preserved? Preservative ☐HCl ☐4±2°C ☐Sodium Thiosulfate ☐ Ascorbic Acid	
	☐	☑	11. Did samples require preservation with sodium thiosulfate?	
☑	☐	☐	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☑	☐	☐	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☐	☑	☐	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☑	☐	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	☐	☑	16. Are analyses with short holding times requested?	
	☐	☑	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D7G130374

Login Checks:

Initials PS

N/A *Yes* *No*

- ☑ ☐ 18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
- ☐ ☑ ☐ 19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- ☑ ☐ 20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
- ☐ ☑ ☐ 21. Were special log in instructions read and followed?
- ☑ ☐ ☐ 22. Were AFCEE metals logged for refrigerated storage?
- ☑ ☐ 23. Were tests logged checked against the COC? Which samples were confirmed? All
- ☑ ☐ ☐ 24. Was a Rush form completed for quick TAT?
- ☑ ☐ ☐ 25. Was a Short Hold form completed for any short holds?
- ☑ ☐ 26. Were special archiving instructions indicated in the General Comments? If so, what were they?

90 days

Labeling and Storage Checks:

Initials MJ

- ☑ ☐ ☐ 28. Was the subcontract COC signed and sent with samples to bottle prep?
- ☑ ☐ 29. Were sample labels double-checked by a second person?
- ☑ ☐ ☐ 30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
- ☑ ☐ 31. Did the sample ID, Date, and Time from label match what was logged?
- ☐ ☐ ☐ 32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
- ☐ ☐ ☐ 33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

APPENDIX II

Laboratory Quality Assurance / Quality Control Results

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:

Jamar Bynum, USGS-WRD, Hydrologic Technician November 1, 2007

Data Inventory

1.1 Sample project numbers: Severn Trent No's D7G130374

1.2 Operable unit and site: Open Burn/Open Detonation (OB/OD) Unit, Hazardous Test Area (HTA) site

1.3 Sample collection date: July 9, 10, and 11, 2007

Sample locations (location IDs): HTA3, HTA4, HTA11, HTA12, HTA14, HTA16, HTA18 through HTA20, HTA22 through HTA28, HTA31 through HTA34, HTA42, HTA43, HTA45, HTA46, HTA50, HTA51, SMR1A,; HTA98 and HTA99 are field duplicate samples, and HTA51-EB is an equipment blank.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	number	Type	number
environmental	27	MS/MSD	1 pair
field duplicate	2	trip blank	0
equipment blank	1	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Name of reviewer(s) and review date: Jamar Bynum November 1, 2007

Laboratory Data Reports

2.1 Analytical Results Report--report date: August 8, 2007

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No _____

(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √ No _____

	Explosives	Metals	General Chem.	Perchlorate SW8321A
requested:	17	0	20	30
analyzed:	17	0	20	30

2.5 List cancelled analyses on cancelled-data worksheet: None

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab?
0.4 – 4.7 °C at TestAmerica Laboratories

2.8 Additional comments: None

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table II-1), the resulting data from the July 9, 10, and 11, 2007, sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of explosives (Method SW8330), nitrate-nitrite (MCAWW353.2), and perchlorate, (SW8321A).

Table II-1. Data validation worksheet table for July 9, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

	Analyte and Method		
Data Validation Parameters	**Explosives SW8330**	**Nitrate-Nitrite MCAWW353.2**	**Perchlorate SW8321A**
Holding times **Met**	7 days to extract, 40-days from extraction to analysis ☐ Yes ☑ No, see notes	28-day limit ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	%R varies for surrogates ☐ Yes ☑ No, see notes	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes	Acceptable RPD ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	< Reporting Limit ☑ Yes ☐ No, see notes	< Reporting Limit ☑ Yes ☐ No, see notes	< Reporting Limit ☑ Yes ☐ No, see notes
Lab Control Samples **Met**	%R and RPD within 3 SD of historical performance ☐ Yes ☑ No, see notes	%R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within acceptable limits ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	< RL except for common lab contaminants, then < 5 x RL ☑ Yes ☐ No, see notes	< 2 x RL ☑ Yes ☐ No, see notes	Below RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	Met various %R and RPD requirements ☑ Yes ☐ No, see notes	Met various %R and RPD requirements ☑ Yes ☐ No, see notes	Met %R and RPD requirements ☐ Yes ☑ No, see notes
Results over RL with Qualifiers	None.	Samples from wells HTA11, HTA14, HTA16, HTA18, HTA19, HTA20, HTA25, HTA28, and HTA32 had elevated reporting limits due to high analyte levels.	None.

Table II-2. Data validation worksheet table for July 9, 10, and 11, 2007, sampling round at HTA- notes.

Analyte and Method:	Notes of Data Validation Parameters:
Explosives SW8330	-Surrogate spike not calculated due to dilution or presence of interfering analytes for HTA-20, HTA-99, and HTA-11. -Lab control percent recovery and RPD outside stated control limits.
Nitrate-Nitrite MCAWW353.2	-none
Perchlorate SW8321A	-Matrix spike percent recovery outside control limits

Appendix A -- Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality-control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-data reports prepared by the reporting laboratory to: (1) check that the laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994b, USEPA contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05-01, Document number PB94-963502, 42 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

APPENDIX III

Container and Preservation Requirements

Field Data

Sample container and preservation requirements

Parameters and Methods	Bottle Size and Type	Preservatives
Explosive compounds, SW8330	32 oz. glass	None, Chilled
Nitrate plus Nitrite, MCAWW353.2	16 oz. glass	2 mL 50% Sulfuric Acid, pH<2, Chilled
Perchlorate, SW8321A	8 oz. polyethylene	None, Chilled

9 JULY 2007

1250 ARRIVE @ HTA STAGING AREA
CREW: ANDREW ROBERTSON
FRED GEBHARDT

CALIBRATION:

pH: ORION 250A+ S/N OB141
BUFFERS: 4.01, 7.00, 10.01
INITIAL: 3.91, 6.89, 9.91
ADJ: 4.01, 6.99, 9.97
SLOPE: 99.2

CONDUCTIVITY: ORION 130A S/N 1606409
STD: 1413 µS/cm
INITIAL: 1394 µS/cm
ADJ: 1413 µS/cm
CONSTANT 0.474

DO: YSI 550A 04B0256 AL
AUTOCAL @ 5300 AND 0.8 PPT
78.5%

HTA-24

7/9/07

1350 ARRIVE AT HTA-24 W.L. -65.66'

TIME	VOL	T (°C)	pH	COND (µS/cm)		DO (mg/L)
1357	INITIAL	28.0	6.64	763		2.45
1400	5	24.0	7.06	863	H_2S SMELL	1.35
1403	10	21.3	7.11	993		0.17
1406	15	21.3	7.17	992		0.14
1409	20	21.3	7.20	992		0.12

1415 COLLECTED ENVIRO SAMPLE HTA-24

HTA-27

1430 ARRIVE @ HTA-27 W.L. -103.72

TIME	VOL	T	pH	COND	DO
1441	INITIAL	24.2	7.32	684	0.77
1444	5	22.1	7.28	727	6.22
1447	10	22.1	7.26	728	0.15
1451	15	23.1	7.28	724	0.13
1455	20	22.9	7.23	728	0.13

1500 COLLECTED SAMPLE HTA-27

7/9/07

HTA-28

1515 ARRIVE @ HTA-28 W.L. 80.50

TIME	VOL	T	pH	COND	DO
1526	INITIAL	22.0	7.29	833	4.79
	RAIN STARTED				
1543	5	21.1	7.18	838	5.22
1556	10	20.8	7.16	838	5.25
1607	15	20.8	7.16	838	5.31
1616	20	20.8	7.13	838	5.30

1620 COLLECTED SAMPLE HTA-28

HTA-51

1650 ARRIVE @ HTA-51 W.L. 87.36

TIME	VOL	T	pH	COND	DO
1702	INITIAL	24.9	7.43	551	4.99
1704	5	24.1	7.13	704	4.30
1707	10	23.1	7.02	959	4.75
1710	15	22.9	7.01	966	4.58
1713	20	22.9	7.01	967	4.57

1715 COLLECTED SAMPLE HTA-51

	area	time	w.c
7/10/07	10A	1220	66.23'
	17	1255	89.26'
	16D	1315	85.99'
	15	1323	87.34'
	30	1553	94.41'
	29	1625	80.17'
7/11/07			
	HTAWM	1150	46.77
	13	1235	104.94
	21	1547	69.86
7/12/07			
	35	1123	74.59
	36	1136	63.05
	37	1148	88.92
	38	1156	96.62
	41	1225	110.43
	47A	1420	76.37
	60	1435	120.56
7/12/07	48		118.09
	39		79.73
	40		93.40
	44		100.12
	EMRE 1		99.72
	EMRE 2		59.21

10 July 2007

0820 ARRIVE @ HTA STAGING AREA
CREW: ANDREW ROBERTSON

CALIBRATION

pH: ORION 250A+ 018141
BUFFERS: 4.01, 7.00, 10.01
INITIAL: 4.13, 7.08, 10.01
ADJ: 4.02, 6.99, 9.97
SLOPE: 99.0

COND: ORION 130A S/N 160409
STD: 1000 µS/cm
IN: 993
ADJ: 1000
CONS: 0.475

DO: YSI 550A 04130256 AL
AUTOCAL @ 5300' & 0.8 ATM

7/10/07

HTA-34

0940 ARRIVE AT WELL 34 W.L. = 44.95'

TIME	VOL	pH	COND	DO	T	
0954	INITIAL	6.95	918	0.59	21.2	H_2S SMELL
1009	5	6.93	922	0.20	~~0.20~~ 19.7	
1017	10	6.93	919	0.15	19.6	
1027	15	6.93	915	0.10	19.6	
1036	20	6.93	912	0.11	19.8	

1040 COLLECTED SAMPLE HTA-34

HTA-12

1055 ARRIVED @ HTA-R W.L. 66.32'

TIME	VOL	T	pH	COND	DO
1105	INITIAL	20.6	6.99	954	1.05
1109	5	20.2	6.94	~~961~~ 961	0.88
1115	10	20.1	6.91	962	0.84
1119	15	20.1	6.88	962	0.83
1124	20	20.1	6.86	963	0.84

1130 COLLECTED SAMPLE HTA-12

7/10/07

HTA-11

12:05 ARRIVE @ HTA-11 W.L. 67.78'

TIME	VOL	T	pH	COND	DO
1212	INITIAL	21.6	7.23	897	6.01
1218	5	20.7	7.14	906	6.52
1223	10	20.3	7.13	903	6.62
1230	15	20.3	7.10	911	6.47
1235	20	20.3	7.09	912	6.56

1240 COLLECTED SAMPLE HTA-11

HTA-~~X~~ 16

1310 ARRIVE @ HTA-16 W.L. 88.81'

TIME	VOL	T	pH	COND	DO
1313	INITIAL	21.8	7.24	982	5.54
1319	5	20.7	7.23	987	6.08
1327	10	20.5	7.20	986	6.22
1335	15	20.4	7.19	987	6.03
1341	20	20.5	7.17	988	5.92

1345 COLLECTED SAMPLE HTA-16

7/10/07

HTA-19

1403 ARRIVE @ HTA-19 WL = 130.55'

TIME	VOL	T	pH	COND	DO
1413	INITIAL	21.5	7.28	989	5.28
1420	5	21.0	7.15	991	5.40
1428	10	21.0	7.06	991	5.45
1436	15	20.9	7.07	992	5.54
1445	20	20.7	7.06	992	5.52

1450 COLLECTED SAMPLE HTA-19

HTA-18

1510 ARRIVED AT HTA-18 WL = 115.88'

TIME	VOL	T	pH	COND	DO
1513	INITIAL	21.6	7.13	873	5.98
1519	5	21.0	7.05	872	6.34
1524	10	21.0	7.03	870	6.38
1531	15	20.9	7.01	870	6.41
1537	20	20.9	7.00	869	6.32

1540 COLLECTED SAMPLE HTA-18

7/10/07

HTA-20

1610 ARRIVE @ HTA-20 w.l. 77.51'

TIME	VOL	T	PH	COND	DO.
1615	INITIAL	20.7	7.12	971	4.59
1621	5	20.2	7.07	975	4.96
1626	10	20.0	7.06	977	4.96
1631	15	20.0	6.99	978	5.05
1636	20	20.0	7.03	978	5.02

1640 COLLECTED SAMPLE HTA-20

1645 COLLECTED DUPLICATE HTA-99

END OF DAY

10 & JULY 2007

0820 ARRIVE @ HTA STAGING AREA
CREW: FRED GEBHARDT

CALIBRATION:

PH: ORION 250A + 014705
BUFFERS: 4.01, 7.00, 10.01
INITIAL: 4.08, 7.02, 10.04
ADJ: 4.02, 6.99, 9.98
SLOPE: 98.7

CONDUCTIVITY: ORION 130A S/N 1607234
STD: 1413 µS/cm
INITIAL: 1414/1405
ADJ: 1412
CONST: 0.473

DO: YSI 550A S/N 05F2333 AZ
AUTO CAL @ 5200' + 0.8 ppt

0940 ARRIVE AT WELL HTA-42. WL 68.10

TIME	VOL	TEMP	PH	COND	DO
0950	INITIAL	22.8	6.89	784	3.39
1005	5	21.9	7.03	783	2.83
1019	10	21.7	7.05	783	2.82
1032	15	21.7	7.07	783	2.80
1045	20	21.7	7.08	783	2.79

7-10-07

1050 HTA-42 CONT. COLLECTED SAMPLE HTA-42

1100 ARRIVE AT WELL HTA-46. WL 87.14

TIME	VOL	TEMP	pH	COND	DO
1105	INITIAL	22.8	7.21	848	1.25
1119	5	21.3	7.22	867	0.14
1132	10	21.3	7.23	867	0.10
1146	15	21.4	7.23	867	0.08
1159	20	21.6	7.23	867	0.5

SMELL H_2S

1205 COLLECTED SAMPLE HTA-46

1215 COLLECTED DUPLICATE SAMPLE HTA-98.

1219 ARRIVE AT WELL HTA-~~48~~ 43. WL 73.55

TIME	VOL	TEMP	pH	COND	DO
1223	INITIAL	21.9	7.19	898	5.33
1238	5	21.7	7.16	898	5.28
1250	10	21.7	7.16	897	5.26
1303	15	21.8	7.15	898	5.26
1316	20	21.7	7.15	897	5.28

1320 COLLECTED SAMPLE HTA-43.

7-10-07

1330 ARRIVE AT WELL HTA-45. WL 80.18

TIME	VOL	TEMP	PH	COND	DO
1334	INITIAL	24.4	7.34	730	5.05
1346	5	22.3	7.15	739	5.14
1358	10	22.3	7.14	740	5.03
1410	15	22.3	7.14	740	4.95
1419	20	22.2	7.14	740	4.85

1420 COLLECTED SAMPLE HTA-45

1430 ARRIVE AT WELL HTA-31. WL 45.38

TIME	VOL	TEMP	PH	COND	DO
1434	INITIAL	23.6	7.20	907	3.43
1444	5	20.9	7.03	919	2.96
1451	10	20.7	7.03	919	2.97
1502	15	20.9	7.03	919	2.94
1512	20	20.8	7.03	919	2.95

1515 COLLECTED SAMPLE HTA-31.

7-10-07

1523 ARRIVE AT WELL HTA-4. WL 31.64

TIME	VOL	TEMP	PH	COND	DO
1528	INITIAL	21.5	6.96	939	3.25
1540	5	20.9	7.01	840	3.19
1551	10	20.6	7.09	840	3.18
1601	15	20.7	7.06	839	3.17
1610	20	20.7	7.06	839	3.16

1615 COLLECTED SAMPLE HTA-4.

1623 ARRIVE AT WELL HTA-32. WL 35.13

TIME	VOL	TEMP	PH	COND	DO
1627	INITIAL	21.2	7.29	874	4.07
1637	5	20.9	7.26	875	4.02
1646	10	20.7	7.28	876	4.02
1656	15	20.5	7.24	876	4.02
1706	20	20.5	7.25	875	4.00

1710 COLLECTED ENVIRONMENTAL SAMPLE HTA-32.
COLLECTED MATRIX SPIKE & MS DUPLICATE (MS) & (MSD)

JAMES LOPEZ 678-1917

7/11/07

SMR 1A

0820 ARRIVED @ SMR1A MET MEQUEL

TIME	VOL	T	pH	COND	DO
0825	INITIAL	26.7	6.63	806	6.17
0827	5	26.9	6.81	804	6.20
0828	10	27.0	6.85	804	6.18
0829	15	27.0	6.89	804	6.15
0830	20	27.0	6.91	804	6.10

0835 COLLECTED SAMPLE SMR1A

CALIBRATION:

pH METER: ORION 250A+ 018141
BUFFERS 4.01, 7.00, 10.01
INITAL READING 4.01, 7.00, 10.00
NO ADJUSTMENT
SLOPE 97.5

CONDUCTIVITY ORION 130A S/N 1606409
STD 1000 µS/cm
INITAL : 1008
ADJ : 1000
CONS : 474

7/11/07

HTA-50

9:10 ARRIVE @ HTA-5 WILL COME BACK FOR W.L.

TIME	VOL	T	pH	COND	D.O.
0919	INITIAL	24.7	7.09	777	3.28
0931	5	25.1	7.14	773	4.23
0937	10	25.6	7.13	773	4.60
0944	15	25.9	7.14	772	4.91
0953	20	25.5	7.14	771	4.78

0955 COLLECTED SAMPLE HTA-50

HTA-33

1035 ARRIVED AT HTA-33 W.L.=57.95

TIME	VOL	T	pH	COND.	DO
1043	INITIAL	21.8	7.11	861	2.52
1055	5	21.0	6.95	868	2.41
1109	10	20.9	6.94	869	2.46
	15	20.9	6.94	869	2.45
1137	20	21.0	6.94	870	2.37

1140 COLLECTED SAMPLE HTA-33

7/16/07

HTA-23

1223 ARRIVED @ HTA-23 WL = 90.18

TIME	VOL	T	pH	COND	D.O
1228	INITIAL	21.3	7.14	723	1.03
1239	5	21.2	7.13	723	0.73
1251	10	21.0	7.06	724	0.34
1303	15	20.7	7.06	724	0.30
1317	20	20.7	7.06	725	0.28

1320 COLLECTED SAMPLE HTA-23

HTA-25

1330 ARRIVED AT HTA-25 WL. = 86.87

TIME	VOL	T	pH	COND	DO	
1338	INITIAL	20.5	7.11	992	2.06	RAIN
1346	5	20.0	7.05	1001	1.46	
1355	10	19.8	7.36	1002	1.44	
1402	15	19.8	7.03	1003	1.41	
1411	20	19.6	7.01	1003	1.52	

1415 COLLECTED SAMPLE HTA-25

7/11/07

HTA-26

1425 ARRIVE @ HTA-26 WL - 101.04

TIME	VOL	T	pH	COND	DO
1430	INITIAL	20.7	7.21	921	1.40
1439	5	20.7	7.07	922	0.16
1450	10	20.7	7.06	922	0.12
1459	15	20.6	7.06	922	0.13
1508	20	20.6	7.05	922	0.17

1510 COLLECTED SAMPLE HTA-26

HTA-22

1523 ARRIVE AT HTA-22 WL = 95.23'

TIME	VOL	T	pH	COND	DO
1526	INITIAL	20.6	7.34	805	4.27
1536	5	19.7	7.07	830	4.35
1544	10	19.7	7.05	830	4.30
1600	15	19.7	7.04	831	4.49
1608	20	19.7	7.04	832	4.48

1610 COLLECTED SAMPLE HTA-22.

7/11/07

(HTA 3)

1650 ARRIVED @ HTA-3 HOLD 70.00
CUT 2.93
67 17

TIME	VOL	T	pH	COND	DO
1655	INTAKE	20.6	7.09	799	5.06
1658	5	20.5	7.07	798	5.16
1701	10	20.4	7.05	800	5.31
1703	15	20.4	7.03	804	5.34
1706	20	20.4	7.03	866	5.34

1710 COLLECTED SAMPLE HTA-3

7-11-07

1653 ARRIVE AT WELL HTA-14. THE BLADDER PUMP DID NOT WORK. WILL REMOVE THE BLADDER PUMP - INSTALL GRUNDFOS PUMP AND COLLECT SAMPLE. W.L. = 97.25'

TIME	VOL	TEMP	pH	COND	DO
1705	INITIAL	21.1	7.65	906	2.97
1708	5	21.1	7.61	905	3.16
1711	10	21.1	7.43	896	4.22
1714	15	21.1	7.31	890	4.83
1717	20	21.0	7.26	881	5.00

1720 COLLECTED SAMPLE HTA-14

DURING PURGING, SET PUMP AT THE BOTTOM OF THE WELL. WATER VERY TURBID

United States Army White Sands Missile Range

Ground-Water Monitoring at the Open Burn / Open Detonation Unit, Hazardous Test Area, RCRA Monitoring Well Sampling

Analytical Results of Samples Collected October 1, 2, 3, 4, 10, and 11, 2007

Prepared for

Commander
U.S. Army White Sands Missile Range
April 2008

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APPENDIX I
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EXECUTIVE SUMMARY

The U.S. Geological Survey (USGS), Water Resources Division, entered into an agreement with the U.S. Army in January 1996 to perform quarterly ground-water sampling and analysis at the Open Burn/Open Detonation (OB/OD) Unit of the Hazardous Test Area (HTA) at White Sands Missile Range (WSMR), New Mexico (fig. 1). The OB/OD Unit consisted primarily of two pits, excavated in 1953, and was used by WSMR personnel for explosives detonation. The site was closed by WSMR December 31, 2000. The primary objective of this agreement is to monitor ground-water quality at the OB/OD Unit for hazardous materials as required by the Resource Conservation and Recovery Act (RCRA).

The original quarterly monitoring network included wells HTA3 (production well supplying water to HTA Headquarters), HTA10A, HTA11, and HTA12 (figs. 2 and 3). The network has subsequently expanded, and in April, 2003, included 48 wells (HTA3, 4, 10A, 11-51, 16D, EMRE1, EMRE2, and HTAWINDMILL). Forty-eight wells were sampled again in July 2003, October 2003, April 2004, and October 2004. In January 2004 and July 2004, approximately one-half of the wells (generally the newer wells HTA31-51) were sampled to confirm previous water-quality data.

The sample network was modified in 2005 to include wells near the margins of the ground water contamination plumes, and approximately one-half of the 48 wells were sampled in February 2005 and May 2005. The purpose for sampling wells near the margins of the plumes was to detect changes in the spatial distribution of contaminant concentrations near the margins. Wells within the plumes, with the largest contaminant concentrations, and wells outside the plumes and not near the margins generally were not sampled.

This report presents water-quality data for samples collected October 1, 2, 3, 4, 10 and 11, 2007. All wells were sampled this round. Explosives (method SW8330); metals (methods SW6020 and SW6010B); mercury (method SW7470A); bromide, chloride, fluoride, sulfate, and orthophosphate by method MCAWW300.0A; dissolved solids (method MCAWW160.1); alkalinity (method SW310.1); nitrate plus nitrite (method MCAWW353.2); and perchlorate (method SW6860) were analyzed in ground-water samples from all the wells sampled. TestAmerica Laboratories (TAL) in Arvada, Colorado, conducted all laboratory analyses. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The potentiometric-surface altitude at HTA is shown in figure 4, and a more detailed view of the potentiometric surface in the area of the OB/OD Unit is shown in figure 5. The potentiometric surface slopes east-southeast at a gradient of approximately 6 percent, generally following the topography. However, ground-water flow may be tortuous on a local scale because the aquifer is composed of fractured Precambrian granite, and local flow paths are controlled by the geometry of interconnected, hydraulically-conductive fractures.

Figures 6 through 11 show the spatial distributions of RDX, nitrate plus nitrite, and perchlorate concentrations for the October 2007 sampling round. The initial views (figs. 6, 8, and 10) show the concentration distributions over the larger HTA area, and the secondary views (figs. 7, 9, and 11) show the concentration distributions over the smaller area of the OB/OD Unit. Figures 12

through 20 show the temporal distributions of RDX (figs. 12 and 13), nitrate plus nitrite (figs. 14 through 17), and perchlorate (figs. 18 through 20) concentrations for most wells.

Significant analytical results from the October 2007 sampling round are listed below:

Ground water from wells HTA10A, HTA11, HTA14, HTA15, HTA16, HTA16D, HTA17, and HTA20 showed the largest RDX concentrations, at 64 micrograms per liter (µg/L), 110 µg/L, 34 µg/L, 19 µg/L, 30 µg/L, 25 µg/L, 38 µg/L, and 46 µg/L, respectively (table 1). RDX concentrations in water from the remaining wells, ranged from non-detected (ND) to 3.1 µg/L.

Ground water from wells HTA10A, HTA11, HTA15, HTA16, HTA17, HTA18, HTA19, and HTA22 showed the largest concentrations of nitrate plus nitrite at 14 milligrams per liter (mg/L), 12 mg/L, 10 mg/L, 10 mg/L, 13 mg/L, 13 mg/L, 20 mg/L, and 20 mg/L, respectively (fig. 17). The remaining wells had concentrations below 10 mg/L (table 1).

Ground water from wells HTA10A, HTA11, HTA13, HTA15, HTA16, HTA16D, HTA17, and HTA20 showed the largest concentrations of perchlorate, at 15 mg/L, 21 mg/L, 12 mg/L, 21 mg/L, 18 mg/L, 18 mg/L, 15 mg/L and 20 mg/L, respectively. The remaining wells had concentrations below 10 mg/L (table 1).

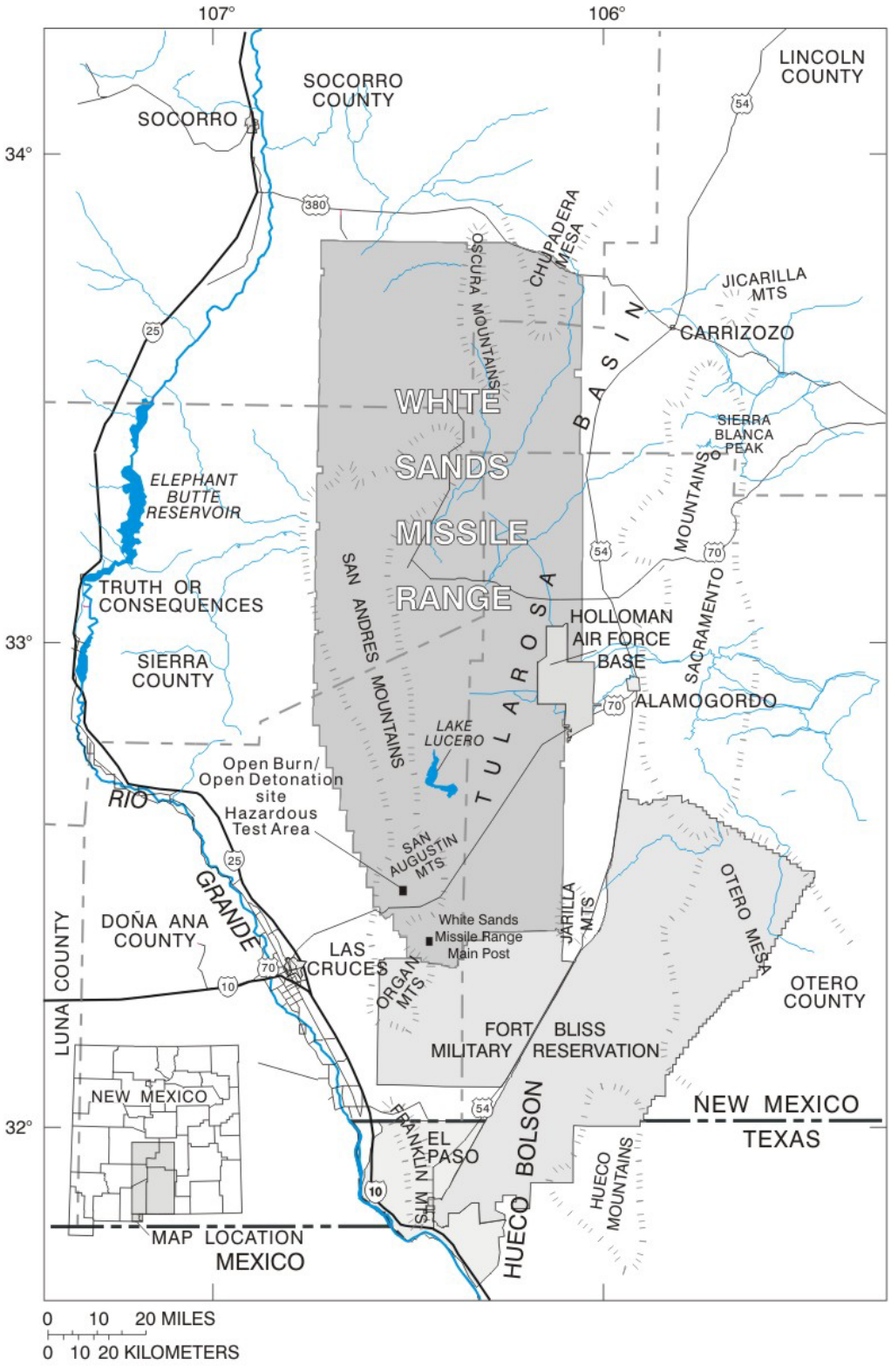

Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

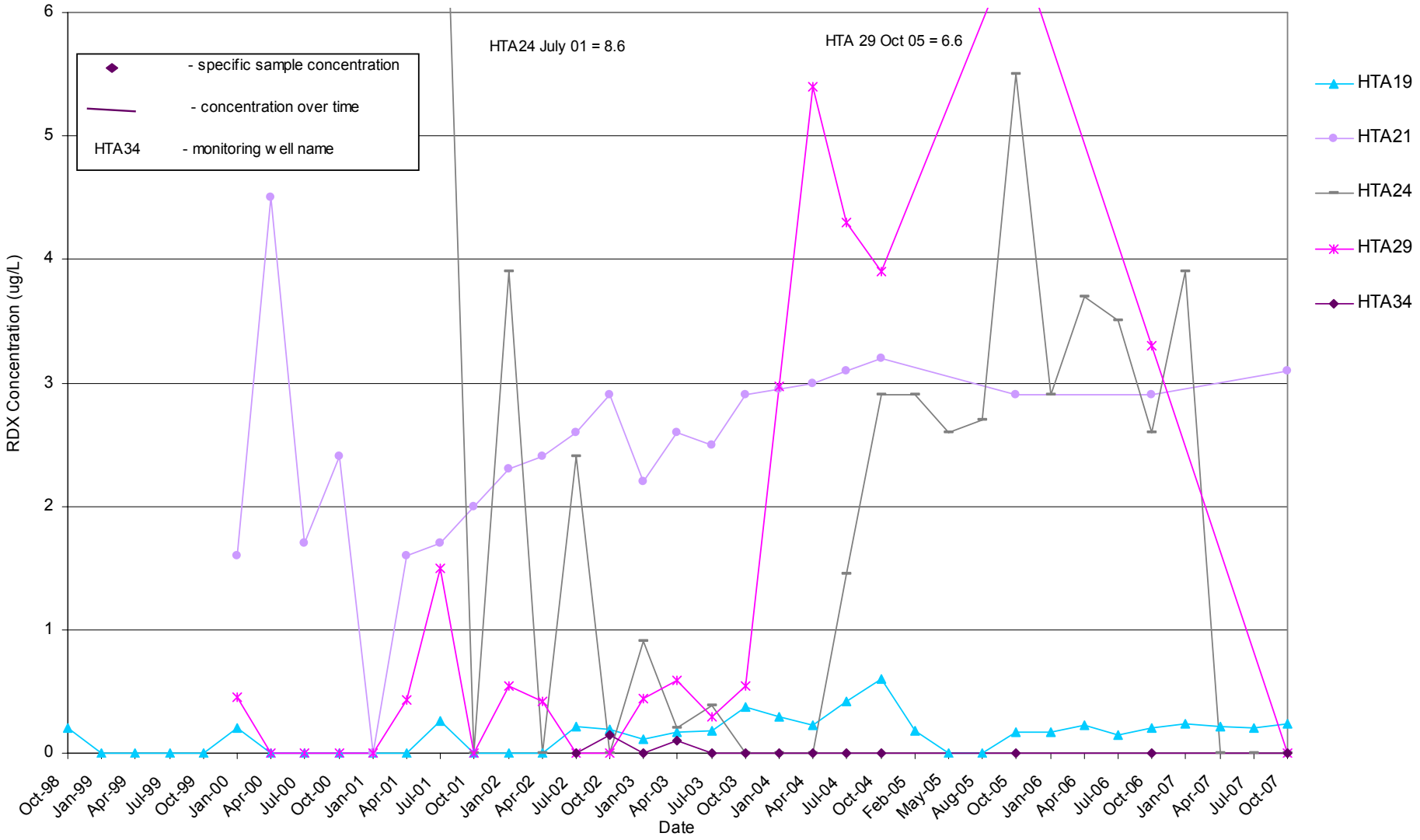

Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

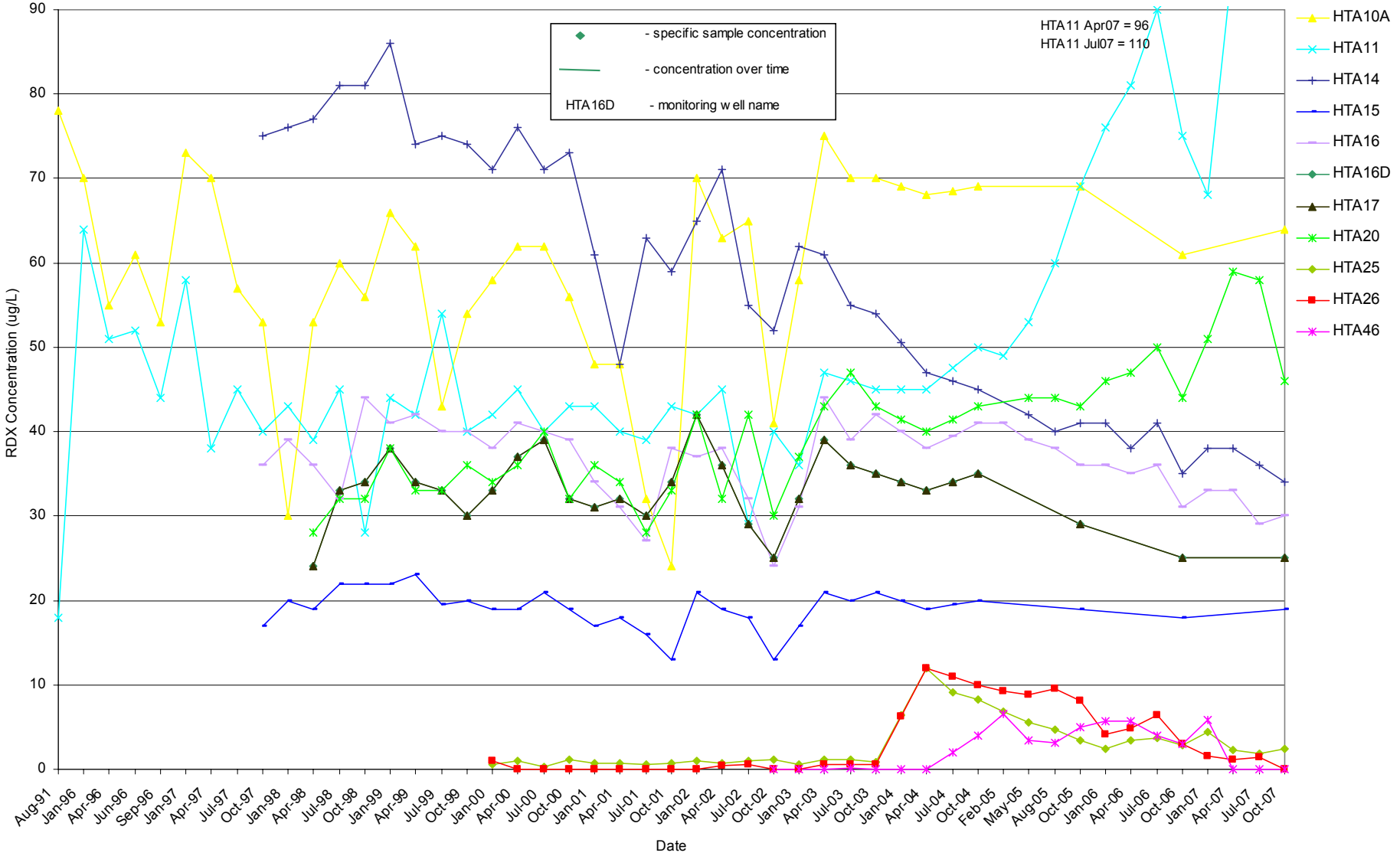

Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

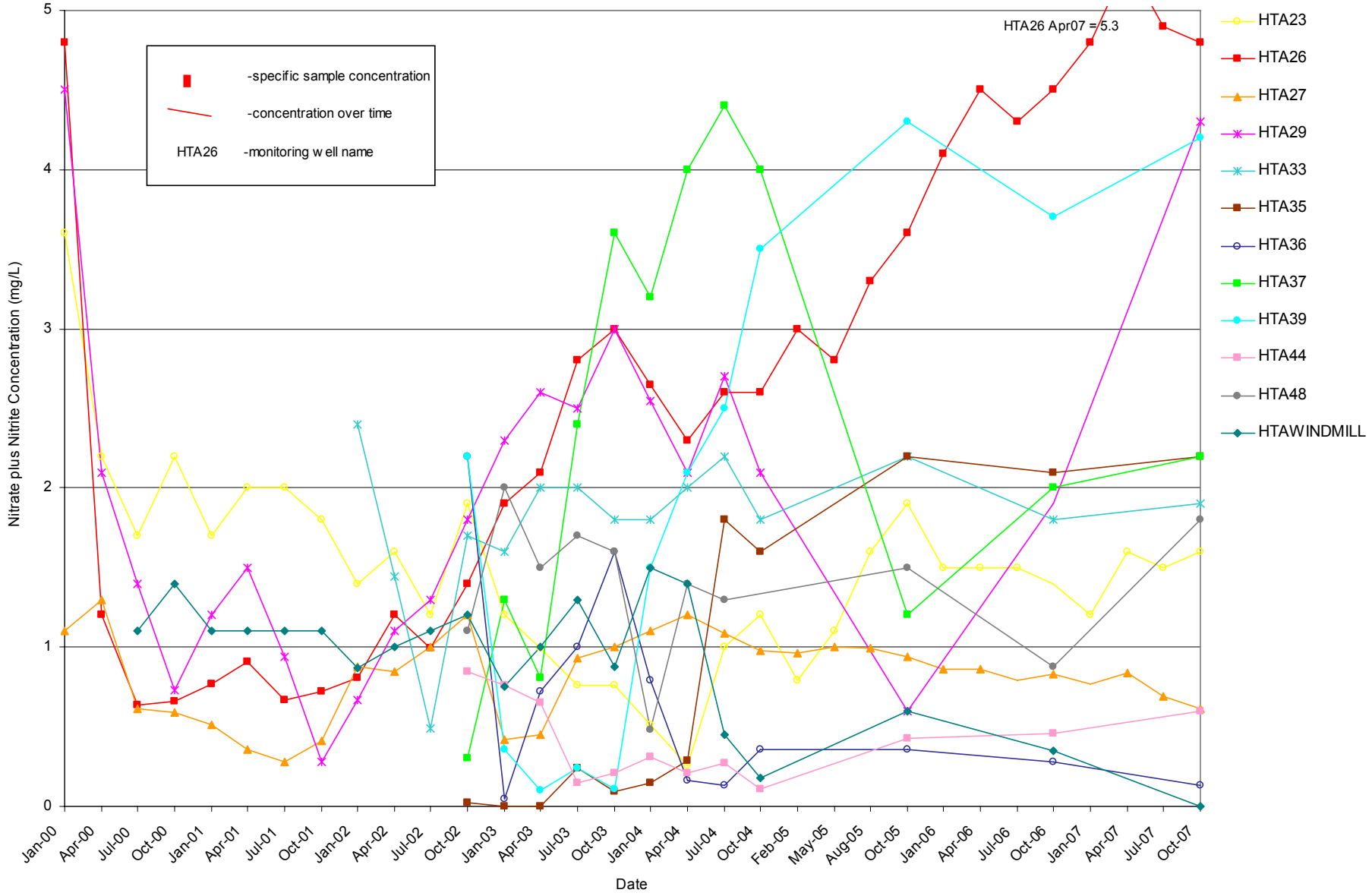

Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

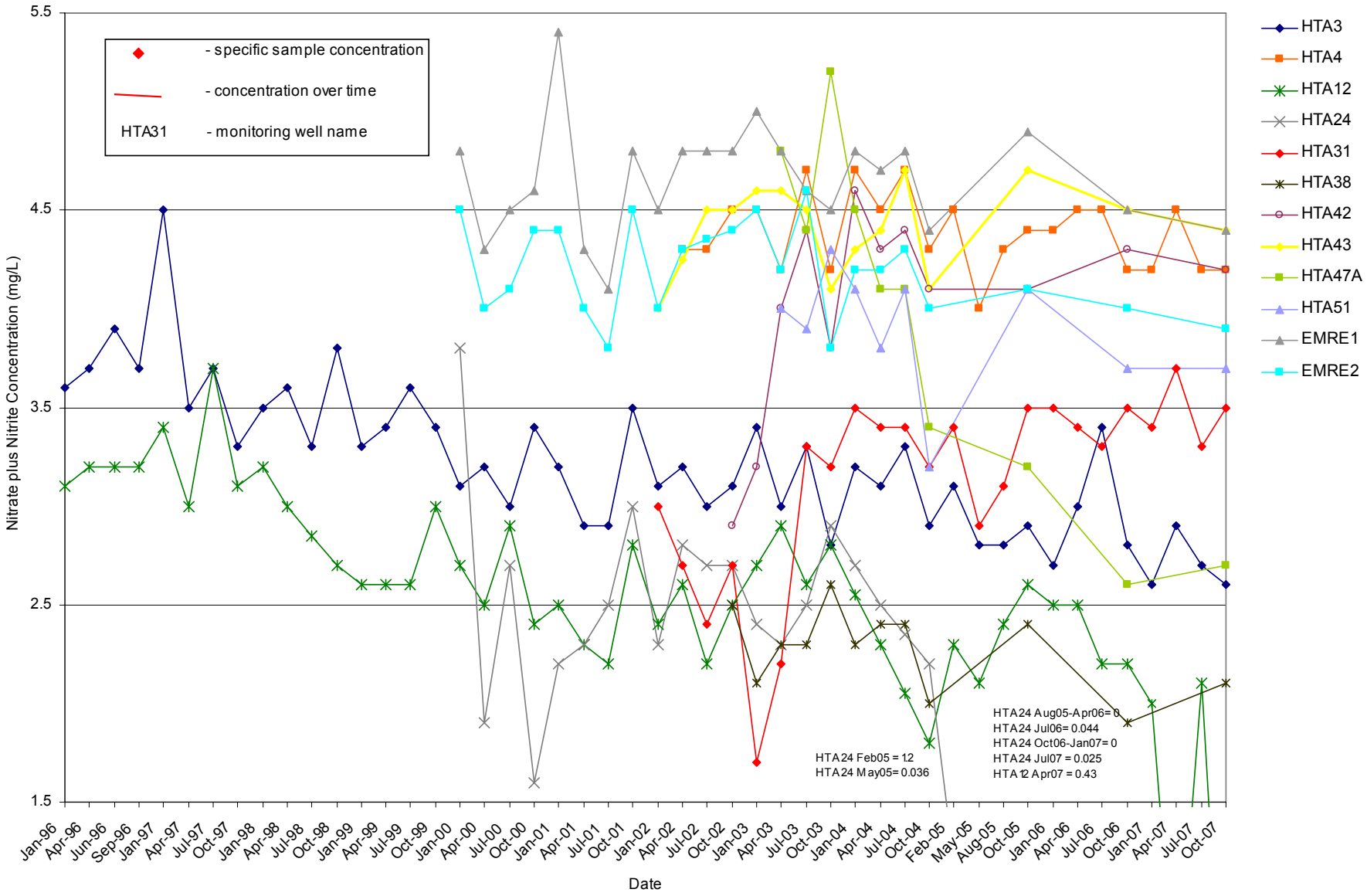

Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

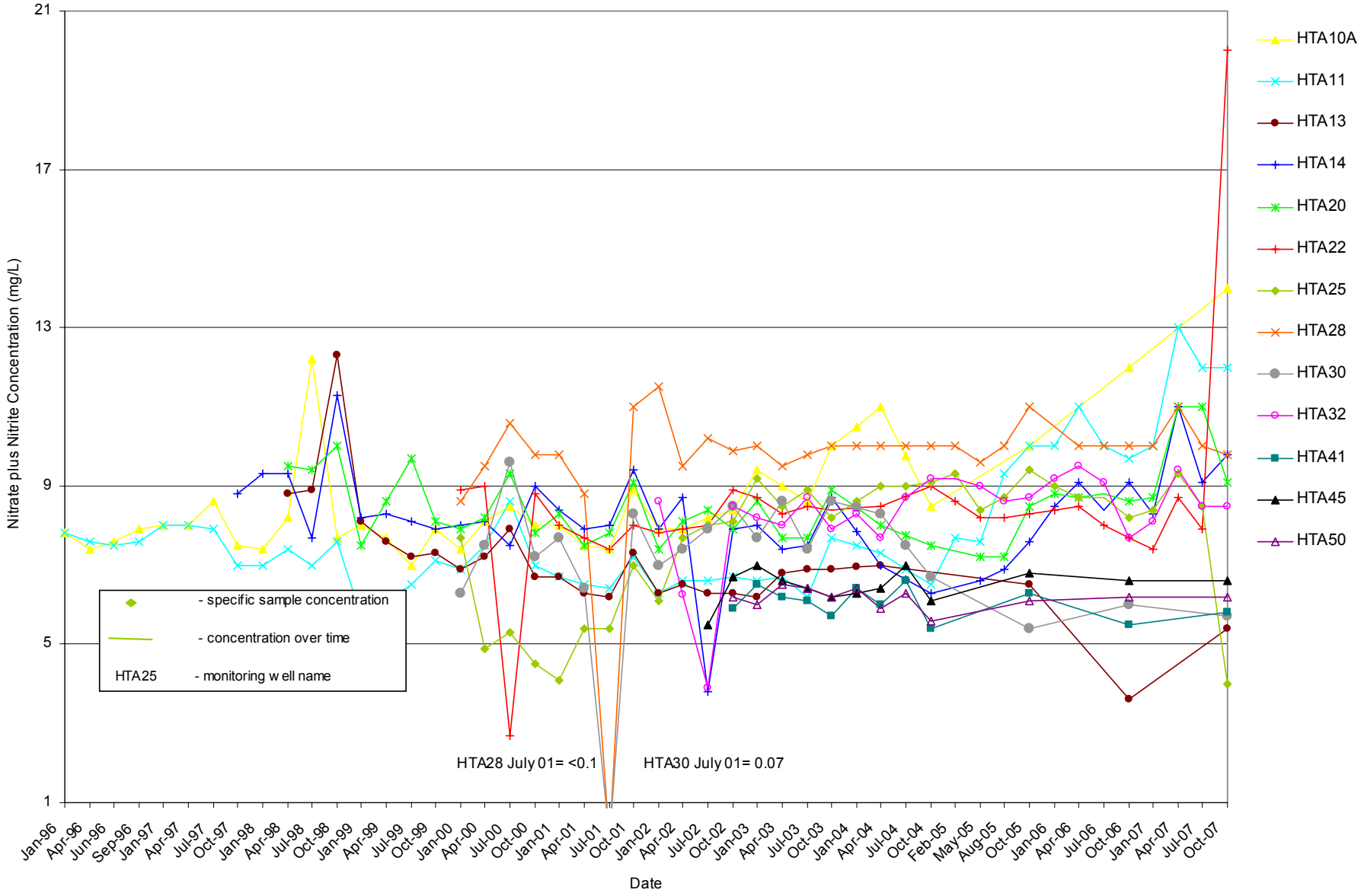

Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

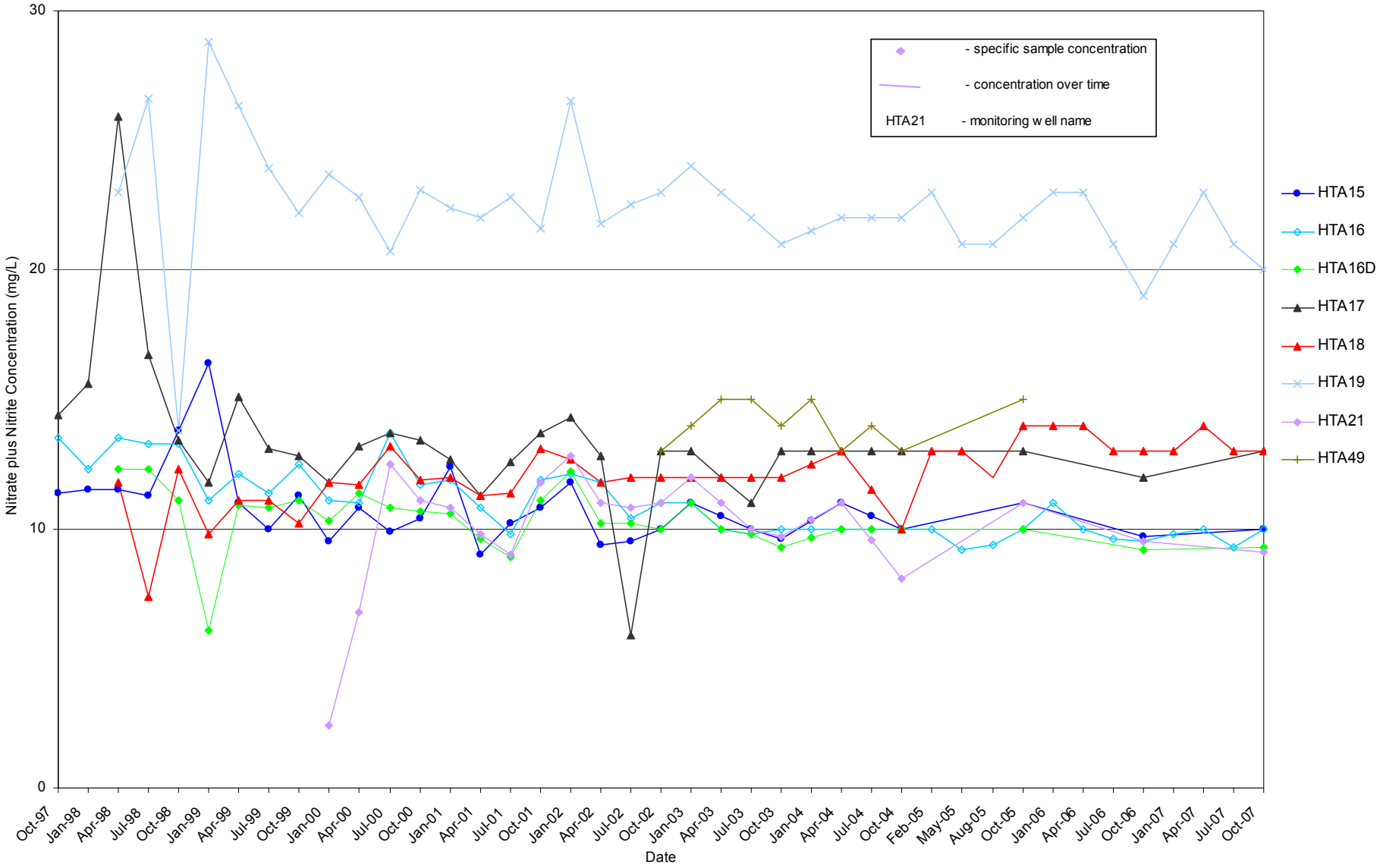

Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

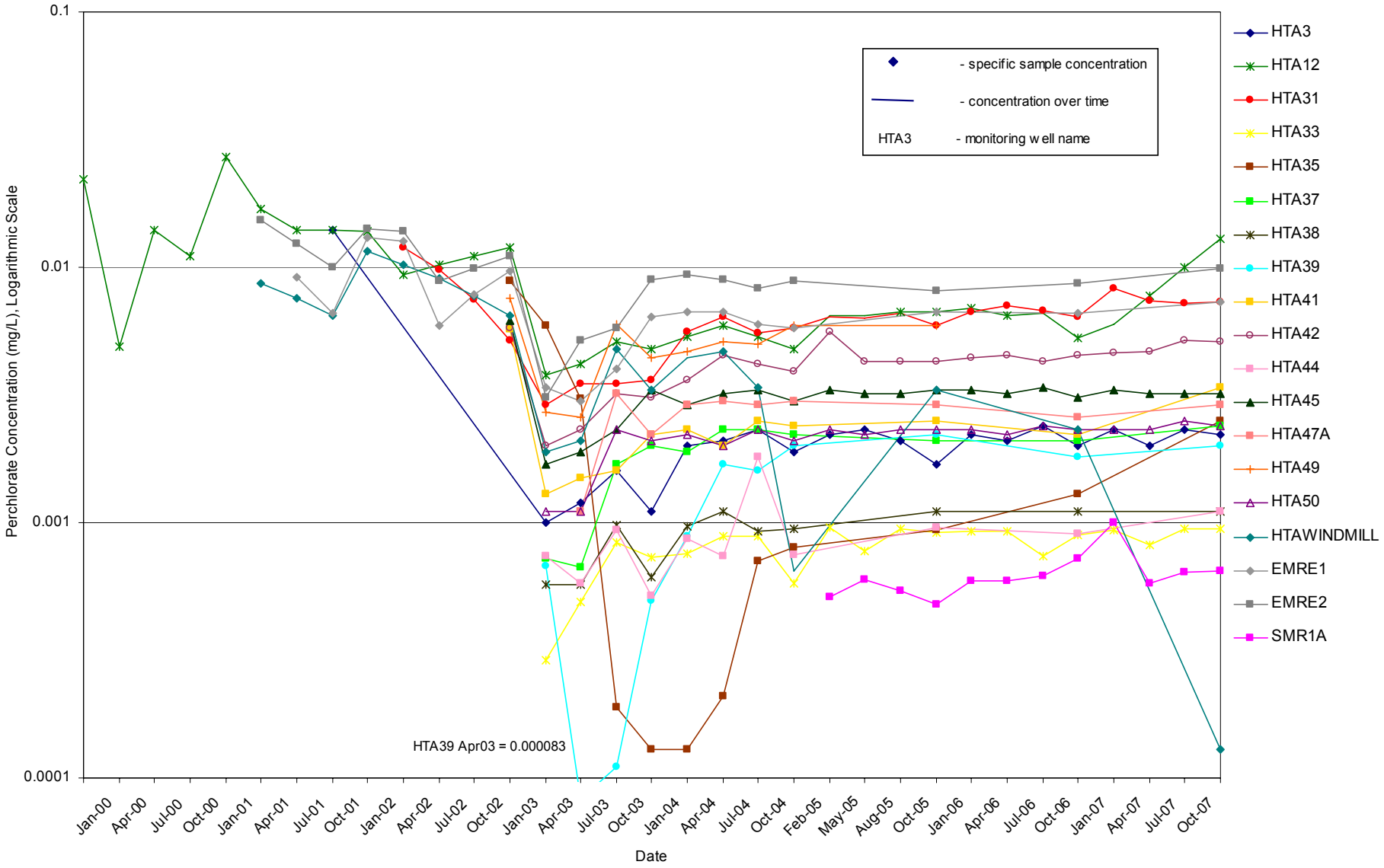

Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

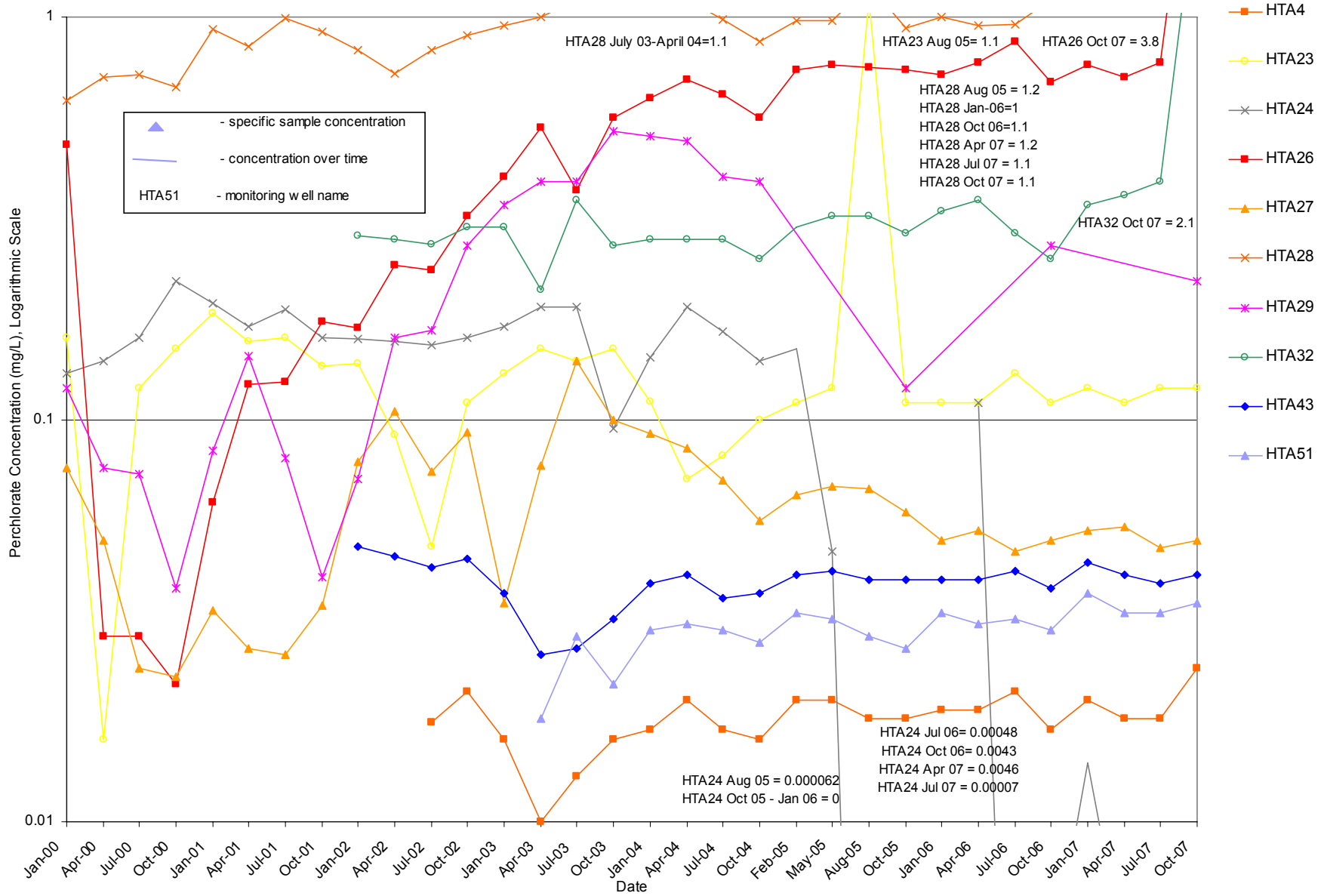

Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

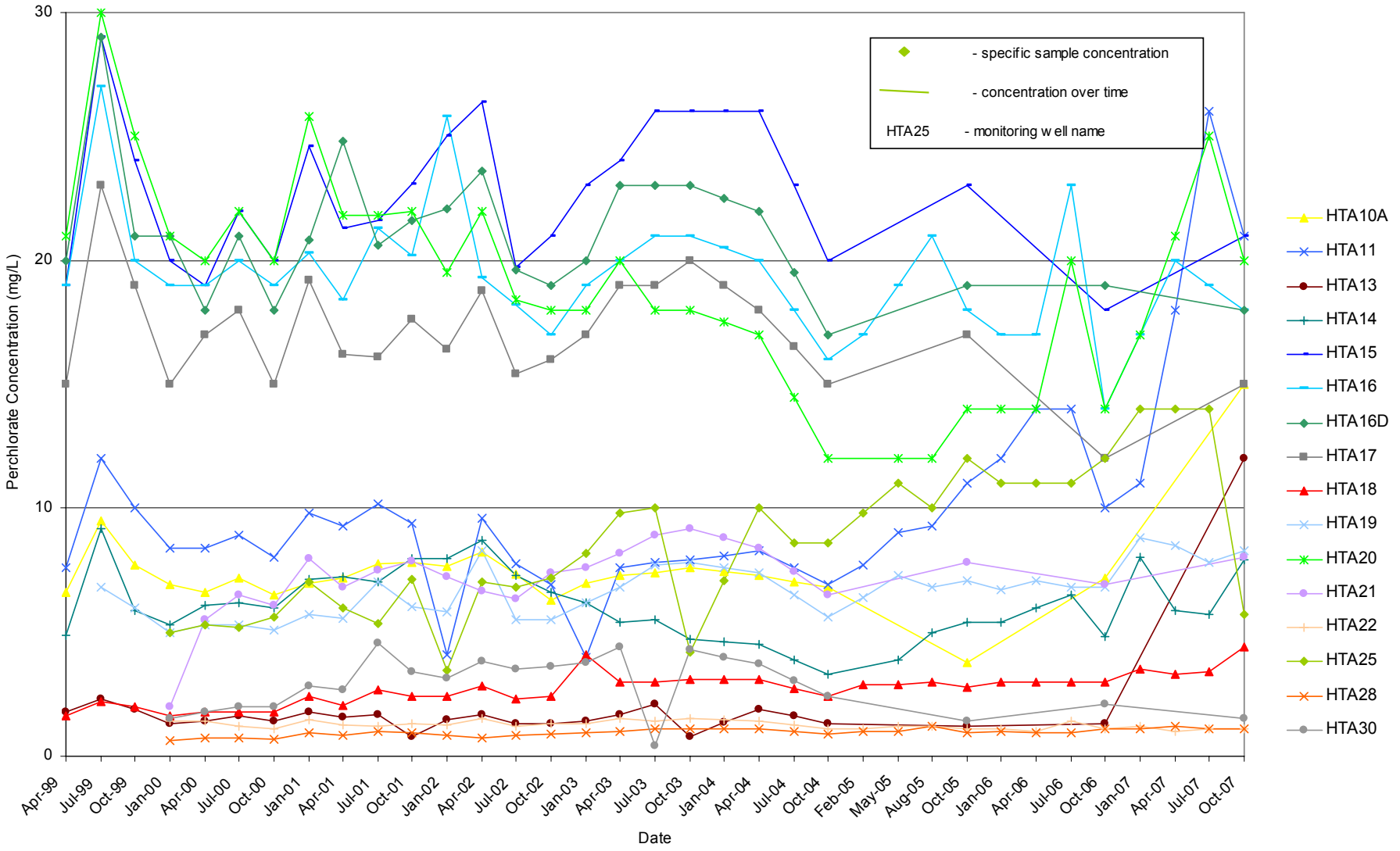

Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA3		HTA4		Field Duplicate HTA4		HTA5		HTA10A	
Sample date & time:	10/03/2007	1435	10/03/2007	1025	10/03/2007	1030	10/04/2007	1240	10/02/2007	1240
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	64	1.0
HMX	ND	0.40	ND	0.40	ND	0.40	ND	0.40	0.72 J	2.0
Nitrate & Nitrite, MCAWW353.2 (mg/L)	2.6	0.10	4.2	0.10	4.5	0.10	0.020 J	0.10	14 Q	0.50
Perchlorate, SW6860 (mg/L)	0.0022	0.00050	0.024	0.010	0.019	0.005	0.000035 J	0.00010	15	5.0

Sample ID:	HTA11		HTA12		HTA13		HTA14		HTA15	
Sample date & time:	10/01/2007	1435	10/02/2007	1125	10/02/2007	1535	10/04/2007	1035	10/03/2007	1015
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	110	1.0	ND	0.20	1.6	0.20	34	0.40	19	0.20
HMX	1.2 J	2.0	ND	0.40	ND	0.40	0.64 J	0.80	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	12 Q	0.50	2.3	0.10	5.4	0.10	9.8 Q	0.50	10 Q	0.50
Perchlorate, SW6860 (mg/L)	21	5.0	0.013	0.0020	12	2.0	7.9	1.0	21	5.0

Sample ID:	Field Duplicate HTA15		HTA16		HTA16D		HTA17		HTA18	
Sample date & time:	10/03/2007	1020	10/02/2007	1720	10/03/2007	1115	10/02/2007	1645	10/03/2007	1320
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	17	0.20	30	0.40	25	0.20	38	0.40	0.082 J	0.20
HMX	ND	0.40	0.44 J	0.80	0.20 J	0.40	ND	0.40	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	11 Q	0.50	10 Q	0.50	9.3 Q	0.50	13 Q	0.50	13 Q	0.50
Perchlorate, SW6860 (mg/L)	21	5.0	18	5.0	18	5.0	15	5.0	4.4	1.0

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **J**, estimated concentration, analyte detected at concentration less than the reporting limit; **mg/L**, milligrams per liter; **Q**, reporting limit elevated because of large analyte concentration]

Sample ID:	HTA19		HTA20		HTA21		HTA22		HTA23	
Sample date & time:	10/03/2007	1220	10/01/2007	1620	10/03/2007	1540	10/03/2007	1425	10/02/2007	1425
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	0.24	0.20	46	1.0	3.1	0.20	ND	0.20	ND	0.20
HMX	ND	0.40	0.53 J	2.0	ND	0.40	ND	0.40	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	20 Q	0.50	9.1 Q	0.50	9.1 Q	0.50	20 Q	0.50	1.6	0.10
Perchlorate, SW6860 (mg/L)	8.3	1.0	20.0	5.0	8.0	1.0	1.1	0.2	0.12	0.05

Sample ID:	HTA24		HTA25		HTA26		HTA27		HTA28	
Sample date & time:	10/04/2007	1140	10/01/2007	1735	10/04/2007	1000	10/03/2007	1400	10/03/2007	1215
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	2.4	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	ND	0.10	4.0	0.10	4.8	0.10	0.61	0.10	9.8 Q	0.50
Perchlorate, SW6860 (mg/L)	0.000078 J	0.00010	5.7	1.0	3.8	0.5	0.05	0.01	1.1	0.5

Sample ID:	HTA29		HTA30		HTA31		HTA32		HTA33	
Sample date & time:	10/04/2007	1110	10/01/2007	1635	10/01/2007	1720	10/03/2007	1530	10/02/2007	1015
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	0.30	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.3	0.10	5.7	0.10	3.5	0.10	8.5 Q	0.50	1.9	0.10
Perchlorate, SW6860 (mg/L)	0.22	0.10	1.5	0.5	0.0073	0.0020	2.1	0.5	0.00095	0.00010

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **COL**, more than 40% RPD between primary and confirmation detector results; **mg/L**, milligrams per liter; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA34		HTA35		HTA36		HTA37		HTA38	
Sample date & time:	10/02/2007	1005	10/01/2007	1435	10/02/2007	1310	10/02/2007	1230	10/02/2007	1150
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
2-Amino-4,6-dinitrotoluene	ND	0.20	ND	0.20	ND	0.20	0.45 COL	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	ND	0.10	2.2	0.10	0.13	0.10	2.2	0.10	2.1	0.10
Perchlorate, SW6860 (mg/L)	ND	0.00010	0.0025	0.00050	0.000075 J	0.00010	0.0024	0.0010	0.0011	0.00010

Sample ID:	HTA39		HTA40		Equipment Blank HTA40		HTA41		HTA42	
Sample date & time:	10/02/2007	1400	10/02/2007	1450	10/02/2007	1530	10/03/2007	1125	10/02/2007	1355
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.2	0.10	ND	0.10	ND	0.10	5.8	0.10	4.2	0.10
Perchlorate, SW6860 (mg/L)	0.0020	0.00050	0.000025 J	0.00010	ND	0.00010	0.0034	0.00050	0.0051	0.0020

Sample ID:	HTA43		HTA44		HTA45		HTA46		HTA47A	
Sample date & time:	10/01/2007	1550	10/01/2007	1550	10/02/2007	1540	10/01/2007	1430	10/03/2007	1205
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
2,4-Dinitrotoluene	ND	0.40	ND	0.40	ND	0.40	0.16 J, COL	0.40	ND	0.40
Nitrate & Nitrite, MCAWW353.2 (mg/L)	4.4	0.10	0.60	0.10	6.6	0.10	ND	0.10	2.7	0.10
Perchlorate, SW6860 (mg/L)	0.041	0.010	0.0011	0.00050	0.0032	0.0010	ND	0.00010	0.0029	0.00050

Table 1. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico-continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND,** not detected; **mg/L**, milligrams per liter; **J**, estimated concentration, analyte detected at concentration less than the reporting limit]

Sample ID:	HTA48		HTA50		HTA51		HTA WINDMILL		EMRE1	
Sample date & time:	10/03/2007	1020	10/03/2007	1340	10/03/2007	1300	10/04/2007	1405	10/02/2007	1140
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	1.8	0.10	6.2	0.10	3.7	0.10	ND	0.10	4.4	0.10
Perchlorate, SW6860 (mg/L)	0.0011	0.00010	0.0024	0.0010	0.035	0.010	0.00013	0.00010	0.0073	0.0020

Sample ID:	EMRE2		SMR1A		SMR2		SMR3		SMR4	
Sample date & time:	10/02/2007	1240	10/04/2007	0910	10/10/2007	1410	10/11/2007	1225	10/10/2007	1530
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)										
RDX	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	3.9	0.10	1.1	0.10	1.4	0.10	3.1	0.10	ND	0.10
Perchlorate, SW6860 (mg/L)	0.0099	0.0020	0.00065	0.00010	0.00063	0.00010	0.00093	0.00010	ND	0.00010

Sample ID:	BONNEY SPRING		MARKHAM SPRING	
Sample date & time:	10/04/2007	1345	10/04/2007	1200
Analytes and Method	Result	RL	Result	RL
Explosives by HPLC, SW8330 (µg/L)				
RDX	ND	0.20	ND	0.20
Nitrate & Nitrite, MCAWW353.2 (mg/L)	0.052 J	0.10	1.3	0.10
Perchlorate, SW6860 (mg/L)	0.000016 J	0.00010	0.00080	0.00010

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA3		HTA4		Field Duplicate HTA4		HTA5	
Sample date & time:	10/03/2007	1435	10/03/2007	1025	10/03/2007	1030	10/04/2007	1240
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	89	0.2	92	0.2	92	0.2	210	0.2
Magnesium, SW6010B	20	0.2	21	0.2	21	0.2	37	0.2
Potassium, SW6010B	0.73 J,V	3.0	0.83 J	3.0	0.92 J	3.0	3.4	3.0
Sodium, SW6010B	63	1.0	66	1.0	66	1.0	61	1.0
Alkalinity, MCAWW310.1	220 V	5.0	210 V	5.0	210 V	5.0	270 V	5.0
Chloride, MCAWW300.0A	27	3.0	31	3.0	31	3.0	42	3.0
Sulfate, MCAWW300.0A	130 Q	25	150 Q	25	150 Q	25	490 V,Q	100
Bromide, MCAWW300.0A	0.19 J	0.20	0.21	0.20	0.21	0.20	0.33	0.20
Fluoride, MCAWW300.0A	4.7	0.50	4.4	0.50	4.4	0.50	2.3	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	530	10	550	10	550	10	1000	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA3		HTA4		Field Duplicate HTA4		HTA5	
Sample date & time:	10/03/2007	1435	10/03/2007	1025	10/03/2007	1030	10/04/2007	1240
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	23 J,V	100	19 J	100	540	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	ND	5.0	0.25 J	5.0
Barium, SW6020	29	1.0	28	1.0	31	1.0	31	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	0.040 J	1.0
Chromium, SW6020	ND	2.0	ND	2.0	ND	2.0	2.3	2.0
Cobalt, SW6020	0.11 J	1.0	0.13 J,V	1.0	0.15 J,V	1.0	0.50 J	1.0
Copper, SW6020	0.91 J	2.0	ND	2.0	ND	2.0	0.88 J	2.0
Iron, SW6010B	42 J,V	100	57 J	100	39 J	100	2200 V	100
Lead, SW6020	0.23 J	1.0	ND	1.0	ND	1.0	0.93 J	1.0
Manganese, SW6020	ND	1.0	0.98 J	1.0	0.97 J	1.0	580	1.0
Mercury	ND	0.20	0.038 J,V	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	10	2.0	9.7	2.0	11	2.0	4.0	2.0
Nickel, SW6020	0.97 J	2.0	1.1 J	2.0	1.2 J	2.0	3.5	2.0
Selenium, SW6020	1.6 J	5.0	3.6 J,V	5.0	3.9 J,V	5.0	ND	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	110 V	10	8.5 J,V	10	8.4 J,V	10	8.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA10A		HTA11		HTA12		HTA13	
Sample date & time:	10/02/2007	1240	10/01/2007	1435	10/02/2007	1125	10/02/2007	1535
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	96	0.2	100	0.2	110	0.2	94	0.2
Magnesium, SW6010B	25	0.2	26	0.2	28	0.2	25	0.2
Potassium, SW6010B	1.2 J	3.0	0.95 J	3.0	1.3 J	3.0	1.4 J	3.0
Sodium, SW6010B	60	1.0	64	1.0	68	1.0	57	1.0
Alkalinity, MCAWW310.1	200 V	5.0	210 V	5.0	250 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	27	3.0	31 V	3.0	30	3.0	31 V	3.0
Sulfate, MCAWW300.0A	140 Q	25	140 Q	25	200 Q	25	140 Q	25
Bromide, MCAWW300.0A	0.23	0.20	0.24	0.20	0.24	0.20	0.22	0.20
Fluoride, MCAWW300.0A	4.1	0.50	4.3	0.50	3.2	0.50	3.8	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	610 V	10	620 V	10	640 V	10	560 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected]

Sample ID:	HTA10A		HTA11		HTA12		HTA13	
Sample date & time:	10/02/2007	1240	10/01/2007	1435	10/02/2007	1124	10/02/2007	1535
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	38 J	100	52 J,V	100	22 J	100	27 J,V	100
Antimony, SW6020	0.083 J	2.0	0.39 J	2.0	0.16 J	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	0.22 J	5.0	ND	5.0	ND	5.0
Barium, SW6020	31	1.0	34	1.0	24	1.0	37	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	0.075 J	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.56 J	2.0	ND	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	1.7 V	1.0	2.4 V	1.0	0.17 J,V	1.0	0.16 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	31 J	100	290	100	ND	100	ND	100
Lead, SW6020	ND	1.0	ND	1.0	ND	1.0	0.21 J	1.0
Manganese, SW6020	1.6	1.0	0.75 J	1.0	1.0	1.0	ND	1.0
Mercury	ND	0.20	0.032 J	0.20	0.078 J,V	0.20	0.045 J,V	0.20
Molybdenum, SW6020	12	2.0	13	2.0	11	2.0	17	2.0
Nickel, SW6020	1.5 J	2.0	1.3 J	2.0	1.3 J	2.0	1.3 J	2.0
Selenium, SW6020	5.1 V	5.0	3.5 J,V	5.0	3.4 J,V	5.0	3.2 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	0.047 J	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.6 J,V	10	150 V	10	4.8 J,V	10	4.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA14		HTA15		Field Duplicate HTA15		HTA16	
Sample date & time:	10/04/2007	1035	10/03/2007	1015	10/03/2007	1020	10/02/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	92	0.2	110	0.2	110	0.2	120	0.2
Magnesium, SW6010B	26	0.2	26	0.2	25	0.2	27	0.2
Potassium, SW6010B	1.9 J	3.0	1.2 J	3.0	1.2 J	3.0	0.78 J	3.0
Sodium, SW6010B	57	1.0	65	1.0	65	1.0	66	1.0
Alkalinity, MCAWW310.1	190 V	5.0	200 V	5.0	200 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	37	3.0	53 Q	6.0	54 Q	6.0	43 V,Q	15
Sulfate, MCAWW300.0A	140 V,Q	25	170 Q	25	170 Q	25	160 Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	0.21	0.20	0.25	0.20	0.26	0.20
Fluoride, MCAWW300.0A	4.5	0.50	3.8	0.50	3.8	0.50	3.9	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	550	10	660	10	670	10	640	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA14		HTA15		Field Duplicate HTA15		HTA16	
Sample date & time:	10/04/2007	1035	10/03/2007	1015	10/03/2007	1020	10/02/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	1600	100	ND	100	45 J,V	100	20 J	100
Antimony, SW6020	0.094 J	2.0	0.087 J	2.0	0.075 J	2.0	ND	2.0
Arsenic, SW6020	0.25 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	55	1.0	35	1.0	35	1.0	35	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	0.086 J	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	3.4	2.0	ND	2.0	0.56 J	2.0	0.53 J	2.0
Cobalt, SW6020	1.2	1.0	2.5 V	1.0	2.4 V	1.0	2.1 V	1.0
Copper, SW6020	2.6	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	2,900 V	100	ND	100	ND	100	69 J	100
Lead, SW6020	2.4	1.0	0.21 J	1.0	0.21 J	1.0	0.19 J	1.0
Manganese, SW6020	97	1.0	0.90 J	1.0	1.5	1.0	1.9	1.0
Mercury	ND	0.20	0.034 J,V	0.20	0.063 J,V	0.20	0.049 J,V	0.20
Molybdenum, SW6020	14	2.0	7.6	2.0	7.3	2.0	12	2.0
Nickel, SW6020	3.6	2.0	1.6 J	2.0	1.6 J	2.0	1.5 J	2.0
Selenium, SW6020	2.9 J	5.0	3.7 J,V	5.0	3.5 J,V	5.0	4.1 J,V	5.0
Silver	0.72 J	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	0.030 J	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	4.1 J	10	ND	10	ND	10	ND	10
Zinc, SW6020	16 V	10	4.2 J,V	10	4.2 J,V	10	4.1 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA16D		HTA17		HTA18		HTA19	
Sample date & time:	10/03/2007	1115	10/02/2007	1645	10/03/2007	1320	10/03/2007	1220
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	110	0.2	110	0.2	93	0.2	110	0.2
Magnesium, SW6010B	25	0.2	26	0.2	21	0.2	26	0.2
Potassium, SW6010B	1.3 J	3.0	1.2 J	3.0	1.1 J	3.0	1.4 J	3.0
Sodium, SW6010B	68	1.0	65	1.0	59	1.0	63	1.0
Alkalinity, MCAWW310.1	210 V	5.0	210 V	5.0	200 V	5.0	180 V	5.0
Chloride, MCAWW300.0A	51 Q	6.0	46 V	3.0	36	3.0	43	3.0
Sulfate, MCAWW300.0A	170 Q	25	160 Q	25	150 Q	25	170 Q	25
Bromide, MCAWW300.0A	0.25	0.20	0.24	0.20	0.25	0.20	0.29	0.20
Fluoride, MCAWW300.0A	3.7	0.50	3.7	0.50	4.2	0.50	3.2	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	650	10	670 V	10	570	10	670	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA16D		HTA17		HTA18		HTA19	
Sample date & time:	10/03/2007	1115	10/02/2007	1645	10/03/2007	1320	10/03/2007	1220
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	63 J,V	100	ND	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.21 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	36	1.0	38	1.0	36	1.0	35	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	ND	2.0	0.55 J	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	2.1 V	1.0	1.8 V	1.0	0.32 J	1.0	0.74 J	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	ND	100	ND	100	24 J	100	ND	100
Lead, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Manganese, SW6020	0.59 J	1.0	ND	1.0	0.81 J	1.0	0.37 J	1.0
Mercury	0.045 J	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	6.6	2.0	9.7	2.0	14	2.0	7.3	2.0
Nickel, SW6020	1.4 J	2.0	1.5 J	2.0	1.2 J	2.0	1.6 J	2.0
Selenium, SW6020	3.5 J,V	5.0	3.7 J,V	5.0	2.8 J	5.0	3.7 J	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.7 J,V	10	6.0 J,V	10	3.3 J,V	10	5.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA20		HTA21		HTA22		HTA23	
Sample date & time:	10/01/2007	1620	10/03/2007	1540	10/03/2007	1425	10/02/2007	1425
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	110	0.2	100	0.2	98	0.2	82	0.2
Magnesium, SW6010B	28	0.2	24	0.2	22	0.2	19	0.2
Potassium, SW6010B	0.85 J	3.0	1.7 J	3.0	1.7 J	3.0	2.8 J	3.0
Sodium, SW6010B	71	1.0	61	1.0	58	1.0	51	1.0
Alkalinity, MCAWW310.1	240 V	5.0	190 V	5.0	210 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	38 V	3.0	40	3.0	31	3.0	22 V	3.0
Sulfate, MCAWW300.0A	160 Q	25	140 Q	25	120 Q	25	100 Q	25
Bromide, MCAWW300.0A	0.84	0.20	0.24	0.20	0.22	0.20	0.18 J	0.20
Fluoride, MCAWW300.0A	3.9	0.50	3.3	0.50	4.3	0.50	4.5	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	650 V	10	590	10	530	10	460 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA20		HTA21		HTA22		HTA23	
Sample date & time:	10/01/2007	1620	10/03/2007	1540	10/03/2007	1425	10/02/2007	1425
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	32 J	100	ND	100	28 J,V	100
Antimony, SW6020	1.9 J	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.84 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	28	1.0	36	1.0	37	1.0	56	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	0.067 J	1.0
Chromium, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	2.8 V	1.0	0.71 J	1.0	0.18 J	1.0	0.18 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	31 J	100	ND	100	ND	100	ND	100
Lead, SW6020	ND	1.0	0.19 J	1.0	0.19 J	1.0	1.1	1.0
Manganese, SW6020	2.7	1.0	2.2	1.0	1.2	1.0	13	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	0.035 J,V	0.20
Molybdenum, SW6020	9.6	2.0	7.5	2.0	19	2.0	15	2.0
Nickel, SW6020	1.4 J	2.0	1.1 J	2.0	1.1 J	2.0	1.2 J	2.0
Selenium, SW6020	3.1 J,V	5.0	1.9 J	5.0	1.9 J	5.0	2.9 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	0.020 J	1.0	0.060 J	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	140 V	10	3.2 J,V	10	6.5 J,V	10	5.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA24		HTA25		HTA26		HTA27	
Sample date & time:	10/04/2007	1140	10/01/2007	1735	10/04/2007	1000	10/03/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	110	0.2	120	0.2	110	0.2	86	0.2
Magnesium, SW6010B	28	0.2	28	0.2	26	0.2	22	0.2
Potassium, SW6010B	1.3 J	3.0	2.0 J	3.0	3.0	3.0	2.1 J	3.0
Sodium, SW6010B	74	1.0	86	1.0	70	1.0	45	1.0
Alkalinity, MCAWW310.1	280 V	5.0	260 V	5.0	220 V	5.0	180 V	5.0
Chloride, MCAWW300.0A	35	3.0	49 V	3.0	29	3.0	31	3.0
Sulfate, MCAWW300.0A	200 V,Q	25	180 Q	25	190 V,Q	25	140 Q	25
Bromide, MCAWW300.0A	0.28	0.20	0.27	0.20	0.19 J	0.20	0.19 J	0.20
Fluoride, MCAWW300.0A	4.3	0.50	3.4	0.50	3.3	0.50	2.7	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	660	10	680 V	10	620	10	480	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA24		HTA25		HTA26		HTA27	
Sample date & time:	10/04/2007	1140	10/01/2007	1735	10/04/2007	1000	10/03/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	52 J	100	34 J,V	100	ND	100	47 J	100
Antimony, SW6020	ND	2.0	ND	2.0	0.73 J	2.0	ND	2.0
Arsenic, SW6020	0.21 J	5.0	ND	5.0	ND	5.0	ND	5.0
Barium, SW6020	30	1.0	34	1.0	30	1.0	39	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	0.13 J	1.0	0.13 J	1.0	ND	1.0
Chromium, SW6020	2.0	2.0	ND	2.0	ND	2.0	0.56 J	2.0
Cobalt, SW6020	0.34 J	1.0	2.2 V	1.0	0.24 J	1.0	0.19 J	1.0
Copper, SW6020	ND	2.0	2.6	2.0	ND	2.0	ND	2.0
Iron, SW6010B	390 V	100	300	100	ND	100	ND	100
Lead, SW6020	ND	1.0	2.9	1.0	3.2	1.0	0.47 J	1.0
Manganese, SW6020	150	1.0	500	1.0	35	1.0	14	1.0
Mercury	ND	0.20	0.038 J	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	7.8	2.0	15	2.0	44	2.0	24	2.0
Nickel, SW6020	2.2	2.0	2.5	2.0	1.5 J	2.0	1.2 J	2.0
Selenium, SW6020	ND	5.0	2.8 J,V	5.0	2.5 J	5.0	ND	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	0.050 J	1.0	0.024 J	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.6 J,V	10	250 V	10	4.6 J,V	10	5.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA28		HTA29		HTA30		HTA31	
Sample date & time:	10/03/2007	1215	10/04/2007	1110	10/01/2007	1635	10/01/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	90	0.2	120	0.2	86	0.2	100	0.2
Magnesium, SW6010B	20	0.2	27	0.2	23	0.2	23	0.2
Potassium, SW6010B	1.0 J	3.0	1.2 J	3.0	1.0 J	3.0	0.79 J	3.0
Sodium, SW6010B	62	1.0	72	1.0	58	1.0	69	1.0
Alkalinity, MCAWW310.1	180 V	5.0	240 V	5.0	180 V	5.0	210 V	5.0
Chloride, MCAWW300.0A	35	3.0	33	3.0	20	3.0	37	3.0
Sulfate, MCAWW300.0A	140 V,Q	25	210 V,Q	25	170 Q	25	170 Q	25
Bromide, MCAWW300.0A	0.24	0.20	0.28	0.20	0.17 J	0.20	0.23	0.20
Fluoride, MCAWW300.0A	4.0	0.50	3.8	0.50	4.1	0.50	4.0	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	540	10	660	10	530	10	570	10
Orthophosphate, MCAW300.0A	0.27 J	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA28		HTA29		HTA30		HTA31	
Sample date & time:	10/03/2007	1215	10/04/2007	1110	10/01/2007	1635	10/01/2007	1720
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	ND	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	0.22 J	5.0	ND	5.0	ND	5.0
Barium, SW6020	31	1.0	29	1.0	33	1.0	33	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	0.24 J	1.0	ND	1.0	ND	1.0
Chromium, SW6020	ND	2.0	ND	2.0	0.65 J	2.0	ND	2.0
Cobalt, SW6020	0.15 J	1.0	0.27 J	1.0	0.25 J	1.0	0.15 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	ND	100	ND	100	ND	100	ND	100
Lead, SW6020	0.31 J	1.0	ND	1.0	ND	1.0	ND	1.0
Manganese, SW6020	1.3	1.0	13	1.0	ND	1.0	0.68 J	1.0
Mercury	ND	0.20	0.027 J	0.20	ND	0.20	0.028 J,V	0.20
Molybdenum, SW6020	15	2.0	11	2.0	15	2.0	12	2.0
Nickel, SW6020	1.0 J	2.0	1.5 J	2.0	1.2 J	2.0	1.3 J	2.0
Selenium, SW6020	2.6 J	5.0	2.2 J	5.0	2.0 J	5.0	4.3 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	0.71 J	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	ND	10	ND	10
Zinc, SW6020	3.5 J,V	10	4.4 J,V	10	2.9 J,V	10	3.5 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA32		HTA33		HTA34		HTA35	
Sample date & time:	10/03/2007	1530	10/02/2007	1015	10/02/2007	1005	10/01/2007	1435
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	96	0.2	99	0.2	100	0.2	100	0.2
Magnesium, SW6010B	20	0.2	22	0.2	24	0.2	17	0.2
Potassium, SW6010B	0.94 J	3.0	2.4 J	3.0	2.7 J	3.0	2.6 J	3.0
Sodium, SW6010B	67	1.0	60	1.0	69	1.0	57	1.0
Alkalinity, MCAWW310.1	190 V	5.0	250 V	5.0	280 V	5.0	190 V	5.0
Chloride, MCAWW300.0A	35	3.0	29 V	3.0	31	3.0	33	3.0
Sulfate, MCAWW300.0A	150 Q	25	140 Q	25	160 Q	25	180 Q	25
Bromide, MCAWW300.0A	0.24	0.20	0.23	0.20	0.24	0.20	0.21	0.20
Fluoride, MCAWW300.0A	4.2	0.50	3.6	0.50	2.6	0.50	2.7	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	580	10	570 V	10	600 V	10	530	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA32		HTA33		HTA34		HTA35	
Sample date & time:	10/03/2007	1530	10/02/2007	1015	10/02/2007	1005	10/01/2007	1435
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	33 J	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	0.10 J	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	0.22 J	5.0	ND	5.0
Barium, SW6020	27	1.0	42	1.0	59	1.0	11	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	ND	2.0	ND	2.0	ND	2.0	0.53 J	2.0
Cobalt, SW6020	0.13 J	1.0	0.13 J	1.0	0.16 J,V	1.0	0.15 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	0.74 J	2.0
Iron, SW6010B	22 J,V	100	ND	100	69 J	100	ND	100
Lead, SW6020	ND	1.0	ND	1.0	1.7	1.0	ND	1.0
Manganese, SW6020	ND	1.0	0.76 J	1.0	270	1.0	0.54 J	1.0
Mercury	ND	0.20	ND	0.20	0.041 J,V	0.20	ND	0.20
Molybdenum, SW6020	13	2.0	18	2.0	6.7	2.0	21	2.0
Nickel, SW6020	1.0 J	2.0	1.2 J	2.0	1.3 J	2.0	1.2 J	2.0
Selenium, SW6020	2.5 J	5.0	1.8 J	5.0	2.1 J,V	5.0	2.5 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	0.021 J	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	2.5 J	10	ND	10	ND	10	2.7 J	10
Zinc, SW6020	2.6 J,V	10	6.0 J,V	10	3.5 J,V	10	4.2 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels]

Sample ID:	HTA36		HTA37		HTA38		HTA39	
Sample date & time:	10/02/2007	1310	10/02/2007	1230	10/02/2007	1150	10/02/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	85	0.2	81	0.2	70	0.2	90	0.2
Magnesium, SW6010B	14	0.2	12	0.2	12	0.2	12	0.2
Potassium, SW6010B	4.5	3.0	2.6 J	3.0	1.5 J	3.0	2.5 J	3.0
Sodium, SW6010B	47	1.0	42	1.0	42	1.0	56	1.0
Alkalinity, MCAWW310.1	230 V	5.0	190 V	5.0	180 V	5.0	160 V	5.0
Chloride, MCAWW300.0A	15 V	3.0	17 V	3.0	14 V	3.0	37 V	3.0
Sulfate, MCAWW300.0A	77 Q	25	86 Q	25	75 Q	25	120 Q	25
Bromide, MCAWW300.0A	0.13 J	0.20	0.15 J	0.20	0.14 J	0.20	0.30	0.20
Fluoride, MCAWW300.0A	3.6	0.50	3.7	0.50	4.0	0.50	2.9	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	430 V	10	420 V	10	400 V	10	480 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **ND**, not detected; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA36		HTA37		HTA38		HTA39	
Sample date & time:	10/02/2007	1310	10/02/2007	1230	10/02/2007	1150	10/02/2007	1400
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	170	100	85 J	100	20 J	100	21 J	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.23 J	5.0	ND	5.0	0.35 J	5.0	0.47 J	5.0
Barium, SW6020	25	1.0	4.5	1.0	47	1.0	46	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.94 J	2.0	ND	2.0	1.3 J	2.0	1.3 J	2.0
Cobalt, SW6020	0.36 J	1.0	0.14 J	1.0	0.11 J	1.0	0.23 J,V	1.0
Copper, SW6020	0.73 J	2.0	0.71 J	2.0	1.1 J	2.0	ND	2.0
Iron, SW6010B	300	100	ND	100	ND	100	51 J	100
Lead, SW6020	0.91 J	1.0	0.29 J	1.0	0.29 J	1.0	0.53 J	1.0
Manganese, SW6020	300	1.0	45	1.0	4.7	1.0	19	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	16	2.0	17	2.0	10	2.0	21	2.0
Nickel, SW6020	1.6 J	2.0	1.1 J	2.0	1.1 J	2.0	1.8 J	2.0
Selenium, SW6020	ND	5.0	1.1 J	5.0	0.96 J	5.0	3.7 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	2.6 J	10	3.6 J	10
Zinc, SW6020	9.4 J,V	10	3.8 J,V	10	3.3 J,V	10	4.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA40		Equipment Blank HTA40		HTA41		HTA42	
Sample date & time:	10/02/2007	1450	10/02/2007	1530	10/03/2007	1125	10/02/2007	1355
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	85	0.2	0.22	0.2	94	0.2	92	0.2
Magnesium, SW6010B	12	0.2	ND	0.2	15	0.2	14	0.2
Potassium, SW6010B	2.3 J	3.0	ND	3.0	1.9 J	3.0	1.8 J	3.0
Sodium, SW6010B	62	1.0	ND	1.0	54	1.0	59	1.0
Alkalinity, MCAWW310.1	250 V	5.0	ND	5.0	190 V	5.0	190 V	5.0
Chloride, MCAWW300.0A	25 V	3.0	0.56 J,V	3.0	26	3.0	26 V	3.0
Sulfate, MCAWW300.0A	60 Q	25	0.35 J	5.0	140 Q	25	130 Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	ND	0.20	0.18 J	0.20	0.17 J	0.20
Fluoride, MCAWW300.0A	2.5	0.50	0.066 J	0.50	3.2	0.50	3.9	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	430 V	10	ND	10	530	10	520 V	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	0.62	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected]

Sample ID:	HTA40		Equipment Blank HTA40		HTA41		HTA42	
Sample date & time:	10/02/2007	1450	10/02/2007	1530	10/03/2007	1125	10/02/2007	1355
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	34 J	100	ND	100	32 J	100	44 J,V	100
Antimony, SW6020	0.074 J	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	0.32 J	5.0	0.28 J	5.0
Barium, SW6020	4.9	1.0	ND	1.0	32	1.0	35	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.83 J	2.0	1.1 J	2.0	0.71 J	2.0	0.55 J	2.0
Cobalt, SW6020	0.15 J,V	1.0	0.027 J,V	1.0	0.21 J	1.0	0.13 J,V	1.0
Copper, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Iron, SW6010B	78 J	100	ND	100	48 J	100	180	100
Lead, SW6020	0.31 J	1.0	ND	1.0	1.3	1.0	ND	1.0
Manganese, SW6020	58	1.0	0.54 J	1.0	16	1.0	ND	1.0
Mercury	0.056 J,V	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	0.41 J	2.0	ND	2.0	6.0	2.0	3.7	2.0
Nickel, SW6020	1.3 J	2.0	0.46 J	2.0	1.4 J	2.0	1.1 J	2.0
Selenium, SW6020	2.0 J,V	5.0	1.8 J,V	5.0	1.9 J	5.0	3.5 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	3.1 J	10	3.3 J	10
Zinc, SW6020	5.6 J,V	10	3.3 J,V	10	6.3 J,V	10	3.1 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA43		HTA44		HTA45		HTA46	
Sample date & time:	10/01/2007	1550	10/01/2007	1550	10/02/2007	1540	10/01/2007	1430
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	96	0.2	88	0.2	90	0.2	85	0.2
Magnesium, SW6010B	23	0.2	14	0.2	15	0.2	21	0.2
Potassium, SW6010B	1.2 J	3.0	2.0 J	3.0	2.0 J	3.0	2.4 J	3.0
Sodium, SW6010B	69	1.0	56	1.0	56	1.0	75	1.0
Alkalinity, MCAWW310.1	200 V	5.0	180 V	5.0	160 V	5.0	270 V	5.0
Chloride, MCAWW300.0A	37	3.0	25	3.0	24 V	3.0	45	3.0
Sulfate, MCAWW300.0A	180 Q	25	150 Q	25	130 Q	25	99 Q	25
Bromide, MCAWW300.0A	0.23	0.20	0.19 J	0.20	0.16 J	0.20	0.25	0.20
Fluoride, MCAWW300.0A	3.6	0.50	3.0	0.50	3.2	0.50	3.0	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	580	10	480	10	500	10	530	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	0.59	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTA43		HTA44		HTA45		HTA46	
Sample date & time:	10/03/2007	1125	10/01/2007	1550	10/02/2007	1540	10/01/2007	1430
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	ND	100	26 J,V	100	ND	100	ND	100
Antimony, SW6020	ND	2.0	0.37 J	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	0.91 J	5.0	0.47 J	5.0	ND	5.0
Barium, SW6020	25	1.0	7.8	1.0	30	1.0	26	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.55 J	2.0	ND	2.0	ND	2.0	ND	2.0
Cobalt, SW6020	0.15 J,V	1.0	0.14 J,V	1.0	0.14 J,V	1.0	0.14 J,V	1.0
Copper, SW6020	ND	2.0	0.59 J	2.0	ND	2.0	ND	2.0
Iron, SW6010B	ND	100	ND	100	ND	100	ND	100
Lead, SW6020	ND	1.0	0.21 J	1.0	ND	1.0	ND	1.0
Manganese, SW6020	ND	1.0	20	1.0	ND	1.0	26	1.0
Mercury	ND	0.20	0.10 J	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	10	2.0	24	2.0	4.8	2.0	ND	2.0
Nickel, SW6020	1.1 J	2.0	1.4 J	2.0	1.0 J	2.0	1.2 J	2.0
Selenium, SW6020	3.8 J,V	5.0	13 V	5.0	4.2 J,V	5.0	2.1 J,V	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	0.039 J	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	3.4 J	10	ND	10
Zinc, SW6020	5.1 J,V	10	4.4 J,V	10	3.0 J,V	10	3.0 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTA47A		HTA48		HTA50		HTA51	
Sample date & time:	10/03/2007	1205	10/03/2007	1020	10/03/2007	1340	10/03/2007	1300
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	93	0.2	100	0.2	81	0.2	110	0.2
Magnesium, SW6010B	19	0.2	11	0.2	20	0.2	27	0.2
Potassium, SW6010B	3.9	3.0	2.8 J	3.0	2.3 J	3.0	1.4 J	3.0
Sodium, SW6010B	56	1.0	61	1.0	54	1.0	70	1.0
Alkalinity, MCAWW310.1	170 V	5.0	280 V	5.0	160 V	5.0	240 V	5.0
Chloride, MCAWW300.0A	27	3.0	18 V	3.0	30	3.0	35	3.0
Sulfate, MCAWW300.0A	170 Q	25	82 Q	25	160 Q	25	200 Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	0.15 J	0.20	0.18 J	0.20	0.22	0.20
Fluoride, MCAWW300.0A	2.3	0.50	2.9	0.50	2.3	0.50	3.1	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	520	10	520	10	520	10	650	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected]

Sample ID:	HTA47A		HTA48		HTA50		HTA51	
Sample date & time:	10/03/2007	1205	10/03/2007	1020	10/03/2007	1340	10/03/2007	1300
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	48 J	100	44 J	100	46 J	100	28 J	100
Antimony, SW6020	0.092 J	2.0	ND	2.0	0.14 J	2.0	ND	2.0
Arsenic, SW6020	ND	5.0	ND	5.0	0.60 J	5.0	ND	5.0
Barium, SW6020	37	1.0	54	1.0	43	1.0	25	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.94 J	2.0	0.62 J	2.0	3.9	2.0	0.53 J	2.0
Cobalt, SW6020	0.18 J	1.0	0.18 J	1.0	0.24 J,V	1.0	0.17 J	1.0
Copper, SW6020	ND	2.0	ND	2.0	3.9	2.0	ND	2.0
Iron, SW6010B	50 J	100	130	100	180	100	38 J	100
Lead, SW6020	0.39 J	1.0	ND	1.0	0.33 J	1.0	0.45 J	1.0
Manganese, SW6020	2.5	1.0	160	1.0	4.5	1.0	0.91 J	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	6.7	2.0	2.9	2.0	6.6	2.0	5.3	2.0
Nickel, SW6020	1.4 J	2.0	1.7 J	2.0	13	2.0	1.3 J	2.0
Selenium, SW6020	1.3 J	5.0	ND	5.0	3.7 J,V	5.0	1.9 J	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	0.021 J	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	ND	10	4.1 J	10	ND	10
Zinc, SW6020	6.7 J,V	10	3.4 J,V	10	33 V	10	3.7 J,V	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, estimated concentration–detected below the reporting limit; **V**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	HTAWM		EMRE1		EMRE2		SMR1A	
Sample date & time:	10/04/2007	1405	10/02/2007	1140	10/02/2007	13	10/04/2007	0910
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	100	0.2	83	0.2	89	0.2	78	0.2
Magnesium, SW6010B	18	0.2	13	0.2	14	0.2	48	0.2
Potassium, SW6010B	2.0 J	3.0	1.7 J	3.0	1.7 J	3.0	2.0 J	3.0
Sodium, SW6010B	60	1.0	53	1.0	57	1.0	30	1.0
Alkalinity, MCAWW310.1	220 V	5.0	170 V	5.0	170 V	5.0	230 V	5.0
Chloride, MCAWW300.0A	31	3.0	25 V	3.0	31	3.0	24	3.0
Sulfate, MCAWW300.0A	150 V,Q	25	120 Q	25	140 V,Q	25	150 V,Q	25
Bromide, MCAWW300.0A	0.23	0.20	0.19 J	0.20	0.22	0.20	0.15 J	0.20
Fluoride, MCAWW300.0A	3.2	0.50	3.3	0.50	3.4	0.50	1.0	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	540	10	480 V	10	520	10	510	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, estimated concentration–detected below the reporting limit; **ND**, not detected; **V**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	HTAWM		EMRE1		EMRE2		SMR1A	
Sample date & time:	10/04/2007	1405	10/02/2007	1140	10/04/2007	1405	10/02/2007	1140
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	33 J	100	ND	100	18 J	100	ND	100
Antimony, SW6020	ND	2.0	ND	2.0	ND	2.0	ND	2.0
Arsenic, SW6020	0.34 J	5.0	0.61 J	5.0	0.35 J	5.0	0.36 J	5.0
Barium, SW6020	52	1.0	38	1.0	35	1.0	34	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chromium, SW6020	0.62 J	2.0	ND	2.0	ND	2.0	1.0 J	2.0
Cobalt, SW6020	0.22 J	1.0	0.13 J	1.0	0.12 J	1.0	0.091 J	1.0
Copper, SW6020	0.94 J	2.0	ND	2.0	ND	2.0	2.8	2.0
Iron, SW6010B	7000 V	100	ND	100	ND	100	42 J,V	100
Lead, SW6020	0.94 J	1.0	ND	1.0	ND	1.0	1.3	1.0
Manganese, SW6020	570	1.0	0.35 J	1.0	0.56 J	1.0	0.94 J	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	9.5	2.0	18	2.0	16	2.0	4.5	2.0
Nickel, SW6020	1.1 J	2.0	1.1 J	2.0	1.0 J	2.0	1.2 J	2.0
Selenium, SW6020	ND	5.0	1.8 J	5.0	2.2 J	5.0	2.0 J	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vanadium, SW6020	ND	10	3.5 J	10	3.0 J	10	3.2 J	10
Zinc, SW6020	18 V	10	3.5 J,V	10	3.0 J,V	10	120 J	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **B**, estimated concentration–detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	SMR2		SMR3		SMR4		Bonney Spring	
Sample date & time:	10/10/2007	1410	10/11/2007	1225	10/10/2007	1530	10/04/2007	1345
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Major Ions (mg/L)								
Calcium, SW6010B	94	0.2	86	0.2	9.2	0.2	110	0.2
Magnesium, SW6010B	37	0.2	49	0.2	6.2	0.2	59	0.2
Potassium, SW6010B	1.9 J	3	2.1 J	3	2.8 J	3	2.1 J	3
Sodium, SW6010B	33	1	37	1	58	1	24	1
Alkalinity, MCAWW310.1	220 V	5.0	210 V	5.0	40 V	5.0	300 V	5.0
Chloride, MCAWW300.0A	28	3.0	37	3.0	37	3.0	27	3.0
Sulfate, MCAWW300.0A	170 Q	25	190 V,Q	25	72 Q	25	200 V,Q	25
Bromide, MCAWW300.0A	0.18 J	0.20	0.19 J	0.20	0.23	0.20	0.18 J	0.20
Fluoride, MCAWW300.0A	1.8	0.50	0.56	0.50	1.9	0.50	1.2	0.50
General Chemistry (mg/L)								
Dissolved Solids, MCAWW160.1	560	10	610	10	210	10	650	10
Orthophosphate, MCAW300.0A	ND	0.50	ND	0.50	ND	0.50	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, the associated method blank contained the target analyte at a reportable limit; **B**, estimated concentration–detected below the reporting limit; **ND**, not detected; L, Serial dilution of digestate in the analytical batch indicates that physical and chemical interferences are present]

Sample ID:	SMR2		SMR3		SMR4		Bonney Spring	
Sample date & time:	10/10/2007	1410	10/11/2007	1225	10/10/2007	1410	10/11/2007	1225
Analytes and Methods	Result	RL	Result	RL	Result	RL	Result	RL
Trace Elements and Compounds (µg/L)								
Aluminum, SW6010B	450 J	100	30 B,J	100	29 B,J	100	54 B	100
Antimony, SW6020	0.074 B	2.0	ND	2.0	ND	2.0	0.32 B	2.0
Arsenic, SW6020	0.67 B	5.0	1.0 B	5.0	0.33 B	5.0	ND	5.0
Barium, SW6020	37	1.0	34	1.0	14	1.0	46	1.0
Beryllium, SW6010B	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cadmium, SW6020	0.47 B,J	1.0	0.30 B,J	1.0	0.065 B,J	1.0	0.75 B	1.0
Chromium, SW6020	6.4	2.0	4.3	2.0	1.3 B	2.0	0.53 B	2.0
Cobalt, SW6020	0.75 B,J	1.0	0.55 B,J	1.0	0.17 B,J	1.0	0.24 B	1.0
Copper, SW6020	2.4	2.0	2.0	2.0	2.5	2.0	1.9 B	2.0
Iron, SW6010B	3,500 L	100	13,000 L	100	6,600 L	100	1,500 J	100
Lead, SW6020	0.82 B,J	1.0	8.9 J	1.0	4.8 J	1.0	6.7	1.0
Manganese, SW6020	120	1.0	210	1.0	51	1.0	120	1.0
Mercury	ND	0.20	ND	0.20	ND	0.20	ND	0.20
Molybdenum, SW6020	3.6	2.0	3.2	2.0	2.1	2.0	1.3 B	2.0
Nickel, SW6020	3.1	2.0	5.3	2.0	0.90 B	2.0	1.3 B	2.0
Selenium, SW6020	3.5 B,J	5.0	2.6 B,J	5.0	0.84 B,J	5.0	ND	5.0
Silver	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Thallium	0.025 B	1.0	0.021 B	1.0	0.023 B	1.0	ND	1.0
Vanadium, SW6020	5.0 B	10	5.2 B	10	ND	10	ND	10
Zinc, SW6020	9.3 B,J	10	100 J	10	6.0 B,J	10	410 J	10

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **B**, estimated concentration–detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, Reporting limit is elevated due to high analyte levels; **ND**, not detected]

Sample ID:	Markam Spring	
Sample date & time:	10/04/2007	1200
Analytes and Methods	Result	RL
Major Ions (mg/L)		
Calcium, SW6010B	99	0.2
Magnesium, SW6010B	25	0.2
Potassium, SW6010B	0.62 J	3
Sodium, SW6010B	47	1
Alkalinity, MCAWW310.1	230 V	5.0
Chloride, MCAWW300.0A	26	3.0
Sulfate, MCAWW300.0A	140 V,Q	25
Bromide, MCAWW300.0A	0.25	0.20
Fluoride, MCAWW300.0A	4.3	0.50
General Chemistry (mg/L)		
Dissolved Solids, MCAWW160.1	540	10
Orthophosphate, MCAW300.0A	ND	0.50

Table 2. Concentrations of analytes detected in ground water from monitoring wells for samples collected October 1, 2, 3, 4, 10, and 11, 2007, at the Open Burn/Open Detonation Unit, Hazardous Test Area, White Sands Missile Range, New Mexico—continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **B**, estimated concentration–detected below the reporting limit; **ND**, not detected; **J**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	Markam Spring	
Sample date & time:	10/04/2007	1200
Analytes and Methods	Result	RL
Trace Elements and Compounds (µg/L)		
Aluminum, SW6010B	19 B	100
Antimony, SW6020	ND	2.0
Arsenic, SW6020	ND	5.0
Barium, SW6020	39	1.0
Beryllium, SW6010B	ND	1.0
Cadmium, SW6020	ND	1.0
Chromium, SW6020	ND	2.0
Cobalt, SW6020	0.18 B	1.0
Copper, SW6020	ND	2.0
Iron, SW6010B	110 J	100
Lead, SW6020	ND	1.0
Manganese, SW6020	15	1.0
Mercury	ND	0.20
Molybdenum, SW6020	12	2.0
Nickel, SW6020	1.1 B	2.0
Selenium, SW6020	0.81 B	5.0
Silver	ND	5.0
Thallium	ND	1.0
Vanadium, SW6020	ND	10
Zinc, SW6020	13 J	10

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-3
WELL LOCATION (LONGITUDE)	106° 30' 35"
WELL LOCATION (LATITUDE)	32° 29' 11"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	5 / 23 / 84
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,192 feet above MSL
ELEV BOTTOM OF WELL CASING	5,195 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,247 & 5,237 feet above MSL
ELEV OF TOP OF SCREENED INT	5,297 & 5,277 feet above MSL
SURVEYED ELEV OF CASING TOP	5,356.81 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-4
WELL LOCATION (LONGITUDE)	106° 30' 18"
WELL LOCATION (LATITUDE)	32° 29' 13"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5196 feet above MSL (approximate)
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5270 feet above MSL (approximate)

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-10A
WELL LOCATION (LONGITUDE)	106° 31' 13"
WELL LOCATION (LATITUDE)	32° 29' 39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	7 / 24 / 95
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	~5,608 feet above MSL
ELEV BOTTOM OF SCREENED INT	~5,608 feet above MSL
ELEV OF TOP OF SCREENED INT	~5,628 feet above MSL
SURVEYED ELEV OF CASING TOP	5,690.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-11
WELL LOCATION (LONGITUDE)	106° 31' 13"
WELL LOCATION (LATITUDE)	32° 29' 40"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 6.75" (20-119 ft); 6" (119-205.5 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,485.74 feet above MSL
ELEV BOTTOM OF WELL CASING	5,606.24 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,611.24 feet above MSL
ELEV OF TOP OF SCREENED INT	5,631.24 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.17 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-12
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20 ft); 7.87" (20-100 ft); 6.75" (100-165ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,589.78 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.78 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.78 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.78 feet above MSL
SURVEYED ELEV OF CASING TOP	5,756.71 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-13
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	3 / 10 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3 ft); 9.8 " (3-60 ft); 6.12" (60-125 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,564.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,570.12 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,575.47 feet above MSL
ELEV OF TOP OF SCREENED INT	5,595.53 feet above MSL
SURVEYED ELEV OF CASING TOP	5,692.23 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-14	
WELL LOCATION (LONGITUDE)	106° 31' 15"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 95	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	7.875 inches	
CASING MATERIAL	PVC (Schedule 40)	
METHOD OF DEVELOPMENT	Unknown	
ELEV BOTTOM OF BOREHOLE	5,584.75 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,585.75 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,585.75 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,605.75 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,698.04 feet above MSL	

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-15
WELL LOCATION (LONGITUDE)	106° 31' 06"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	7 / 26 / 96
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -106 ft); 6 inches (106 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,522.92 feet above MSL
ELEV BOTTOM OF WELL CASING	5,540.92 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,545.92 feet above MSL
ELEV OF TOP OF SCREENED INT	5,565.92 feet above MSL
SURVEYED ELEV OF CASING TOP	5,645.09 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16
WELL LOCATION (LONGITUDE)	106° 31' 07"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches (0 -110 ft); 6 inches (110 -120 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	5,521.18 feet above MSL
ELEV BOTTOM OF WELL CASING	5,538.18 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,543.18 feet above MSL
ELEV OF TOP OF SCREENED INT	5,563.18 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.10 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-16D
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 37"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 04 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	2.5 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,332.96 feet above MSL
ELEV BOTTOM OF WELL CASING	5,478.74 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,484.01 feet above MSL
ELEV OF TOP OF SCREENED INT	5,503.90 feet above MSL
SURVEYED ELEV OF CASING TOP	5,640.13 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-17
WELL LOCATION (LONGITUDE)	106° 31' 22"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 13 / 91
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87" (0-20ft); 7.87" (20-100 ft); 6.75" (100-165 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Blown or surged with compressed air
ELEV BOTTOM OF BOREHOLE	5,521.49 feet above MSL
ELEV BOTTOM OF WELL CASING	5,531.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,536.49 feet above MSL
ELEV OF TOP OF SCREENED INT	5,556.49 feet above MSL
SURVEYED ELEV OF CASING TOP	5,643.64 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-18
WELL LOCATION (LONGITUDE)	106° 30' 56"
WELL LOCATION (LATITUDE)	32° 29' 32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	2 / 28 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.87 " (0-40 ft); 6.12 " (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,231.59 feet above MSL
ELEV BOTTOM OF WELL CASING	5,406.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,412.28 feet above MSL
ELEV OF TOP OF SCREENED INT	5,432.34 feet above MSL
SURVEYED ELEV OF CASING TOP	5,538.95 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-19
WELL LOCATION (LONGITUDE)	106° 31' 03"
WELL LOCATION (LATITUDE)	32° 29' 35"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 6 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-305 ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,289.83 feet above MSL
ELEV BOTTOM OF WELL CASING	5,448.22 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,453.57 feet above MSL
ELEV OF TOP OF SCREENED INT	5,473.63 feet above MSL
SURVEYED ELEV OF CASING TOP	5,597.22 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-20
WELL LOCATION (LONGITUDE)	106° 31' 14"
WELL LOCATION (LATITUDE)	32° 29' 43"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	3 / 11 / 98
DRILLING METHOD	Air rotary and air hammer
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	11.00" (0-3ft); 9.87" (3-40ft); 6.12" (40-115ft)
CASING MATERIAL	PVC (Schedule 40)
METHOD OF DEVELOPMENT	Pumped with compressed air
ELEV BOTTOM OF BOREHOLE	5,584.34 feet above MSL
ELEV BOTTOM OF WELL CASING	5,599.58 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,604.93 feet above MSL
ELEV OF TOP OF SCREENED INT	5,624.99 feet above MSL
SURVEYED ELEV OF CASING TOP	5,701.56 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-21
WELL LOCATION (LONGITUDE)	106° 31' 09"
WELL LOCATION (LATITUDE)	32° 29' 33"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11 / 30 / 99
DRILLING METHOD	Air rotary (0-41 ft) and air hammer (41-115 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-41 ft); 6 in (41-115 ft)
CASING MATERIAL	PVC (Schedule 40), 0.01 inch slotted PVC screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,504 feet above MSL
ELEV BOTTOM OF WELL CASING	5,509.67 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,514.52 feet above MSL
ELEV OF TOP OF SCREENED INT	5,534.22 feet above MSL
SURVEYED ELEV OF CASING TOP	5,621.79 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-22	
WELL LOCATION (LONGITUDE)	106° 31' 05"	
WELL LOCATION (LATITUDE)	32° 29' 24"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-15 ft) and air hammer (15-115 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-15 ft); 6 in (15-115 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,442 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,447.39 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,452.24 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,471.94 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,559.61 feet above MSL	

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-23	
WELL LOCATION (LONGITUDE)	106° 31' 18"	
WELL LOCATION (LATITUDE)	32° 29' 35"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-35 ft) and air hammer (35-135 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-35 ft); 6 in (35-135 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,545 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,544.87 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,549.72 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,569.42 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,682.05 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-24	
WELL LOCATION (LONGITUDE)	106° 31' 11"	
WELL LOCATION (LATITUDE)	32° 29' 47"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/01/99	
DRILLING METHOD	Air rotary (0-34 ft) and air hammer (34-164 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-34 ft); 6 in (34-164 ft)	
CASING MATERIAL	PVC (schedule 40)	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,528 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,528.55 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,533.40 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,553.10 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,694.50 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-25	
WELL LOCATION (LONGITUDE)	106° 31' 06"	
WELL LOCATION (LATITUDE)	32° 29' 43"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-123 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-123 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,521 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,524.02 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,528.87 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,548.57 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,646.03 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-26	
WELL LOCATION (LONGITUDE)	106° 30' 51"	
WELL LOCATION (LATITUDE)	32° 29' 40"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-40 ft) and air hammer (40-203 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-40 ft); 6 in (40-203 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,331 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,331.60 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,331.60 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,351.30 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,533.95 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-27	
WELL LOCATION (LONGITUDE)	106° 30' 51"	
WELL LOCATION (LATITUDE)	32° 29' 27"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/03/99	
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-182 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-182 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,313 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,315.14 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,315.14 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,334.84 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,496.5 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-28	
WELL LOCATION (LONGITUDE)	106° 30' 46"	
WELL LOCATION (LATITUDE)	32° 29' 23"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/04/99	
DRILLING METHOD	Air rotary (0-19.5 ft), air hammer (19.5-300 ft)	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	11 in (0-19.5 ft); 6 in (19.5-300 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Pumped	
ELEV BOTTOM OF BOREHOLE	5,151 feet above MSL, Borehole backfilled with bentonite chip up to 5,302 feet MSL	
ELEV BOTTOM OF WELL CASING	5,306.26 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,311.11 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,330.81 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,453.96 feet above MSL	

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-29
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 44"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	12/05/99
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-405 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-405 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Pumped
ELEV BOTTOM OF BOREHOLE	5,318 feet above MSL, Borehole backfilled with bentonite chip up to 5,561 feet MSL
ELEV BOTTOM OF WELL CASING	5,564.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,569.80 feet above MSL
ELEV OF TOP OF SCREENED INT	5,589.50 feet above MSL
SURVEYED ELEV OF CASING TOP	5,725.83 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NM2750211235	
COUNTY	Dona Ana	
WELL NUMBER	HTA-30	
WELL LOCATION (LONGITUDE)	106° 30' 57"	
WELL LOCATION (LATITUDE)	32° 29' 39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/02/99	
DRILLING METHOD	Air rotary (0-38 ft) and air hammer (38-200 ft)	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	9.88 in (0-25 ft); 5.75 in (25-182 ft)	
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen	
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing	
ELEV BOTTOM OF BOREHOLE	5,368 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,368 feet above MSL, Casing set on base of borehole	
ELEV BOTTOM OF SCREENED INT	5,372.46 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,392.46 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,570.22 feet above MSL	

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-31
WELL LOCATION (LONGITUDE)	106° 30' 21.96"
WELL LOCATION (LATITUDE)	32° 29' 2.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,161.66 feet above MSL
ELEV BOTTOM OF WELL CASING	5,5166.66 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,166.66 feet above MSL
ELEV OF TOP OF SCREENED INT	5,186.66 feet above MSL
SURVEYED ELEV OF CASING TOP	5,254.75 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-32	
WELL LOCATION (LONGITUDE)	106° 30' 26.29"	
WELL LOCATION (LATITUDE)	32° 29' 23.73"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	01/14/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	5,259.77 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,268.77 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,268.77 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,288.77 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,346.31 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-33
WELL LOCATION (LONGITUDE)	106° 30' 54.85"
WELL LOCATION (LATITUDE)	32° 28' 48.1"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,256.81 feet above MSL
ELEV BOTTOM OF WELL CASING	5,261.81 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,261.81 feet above MSL
ELEV OF TOP OF SCREENED INT	5,281.81 feet above MSL
SURVEYED ELEV OF CASING TOP	5,371.55 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-34	
WELL LOCATION (LONGITUDE)	106° 31' 27.89"	
WELL LOCATION (LATITUDE)	32° 29' 43.16"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/14/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	5,690.94 feet above MSL	
ELEV BOTTOM OF WELL CASING	5,691.94 feet above MSL	
ELEV BOTTOM OF SCREENED INT	5,691.94 feet above MSL	
ELEV OF TOP OF SCREENED INT	5,711.94 feet above MSL	
SURVEYED ELEV OF CASING TOP	5,797.72 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-35	
WELL LOCATION (LONGITUDE)	106° 29' 6.03"	
WELL LOCATION (LATITUDE)	32° 27' 4.28"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/16/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,454.42 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,459.42 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,459.42 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,479.42 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,621.18 feet above MSL	

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-36
WELL LOCATION (LONGITUDE)	106° 29' 44.25"
WELL LOCATION (LATITUDE)	32° 27' 2.38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,696.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,701.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,701.49 feet above MSL
ELEV OF TOP OF SCREENED INT	4,721.49 feet above MSL
SURVEYED ELEV OF CASING TOP	4,798.02 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-37
WELL LOCATION (LONGITUDE)	106° 29' 47.22"
WELL LOCATION (LATITUDE)	32° 26' 39.19"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,551.93 feet above MSL
ELEV BOTTOM OF WELL CASING	4,557.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,557.93 feet above MSL
ELEV OF TOP OF SCREENED INT	4,577.93 feet above MSL
SURVEYED ELEV OF CASING TOP	4,697.84 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-38
WELL LOCATION (LONGITUDE)	106° 30' 2.03"
WELL LOCATION (LATITUDE)	32° 26' 24.49"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,599.95 feet above MSL
ELEV BOTTOM OF WELL CASING	4,604.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,604.95 feet above MSL
ELEV OF TOP OF SCREENED INT	4,624.95 feet above MSL
SURVEYED ELEV OF CASING TOP	4,726.93 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-39
WELL LOCATION (LONGITUDE)	106° 29' 48.75"
WELL LOCATION (LATITUDE)	32° 26' 12.15"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,495.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,500.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,500.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,520.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,652.14 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-40
WELL LOCATION (LONGITUDE)	106° 29' 13.95"
WELL LOCATION (LATITUDE)	32° 26' 8.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,309.63 feet above MSL
ELEV BOTTOM OF WELL CASING	4,314.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,314.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,334.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,516.5 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-41	
WELL LOCATION (LONGITUDE)	106° 28' 19.14"	
WELL LOCATION (LATITUDE)	32° 27' 31.39"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/16/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,377.11 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,377.11 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,377.11 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,397.11 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,504.63 feet above MSL	

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-42
WELL LOCATION (LONGITUDE)	106° 29' 42.66"
WELL LOCATION (LATITUDE)	32° 28' 37.01"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,854.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,856.69 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,856.69 feet above MSL
ELEV OF TOP OF SCREENED INT	4,876.69 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.95 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-43
WELL LOCATION (LONGITUDE)	106° 29' 27.85"
WELL LOCATION (LATITUDE)	32° 28' 57"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,851.87 feet above MSL
ELEV BOTTOM OF WELL CASING	4,857.87 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,857.87 feet above MSL
ELEV OF TOP OF SCREENED INT	4,877.87 feet above MSL
SURVEYED ELEV OF CASING TOP	4,959.71 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-44	
WELL LOCATION (LONGITUDE)	106° 30' 2.42"	
WELL LOCATION (LATITUDE)	32° 27' 44.93"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	1/15/2002	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,794.28 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,799.28 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,799.28 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,819.28 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,940.26 feet above MSL	

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-45
WELL LOCATION (LONGITUDE)	106° 28' 34.57"
WELL LOCATION (LATITUDE)	32° 28' 23.34"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,493.73 feet above MSL
ELEV BOTTOM OF WELL CASING	4,498.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,498.73 feet above MSL
ELEV OF TOP OF SCREENED INT	4,518.73 feet above MSL
SURVEYED ELEV OF CASING TOP	4,640.84 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-46
WELL LOCATION (LONGITUDE)	106° 30' 2.51"
WELL LOCATION (LATITUDE)	32° 29' 6.27"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,834.15 feet above MSL
ELEV BOTTOM OF WELL CASING	5,014.15 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,014.15 feet above MSL
ELEV OF TOP OF SCREENED INT	5,034.15 feet above MSL
SURVEYED ELEV OF CASING TOP	5,161.62 feet above

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-47A	
WELL LOCATION (LONGITUDE)	106° 28' 1.33"	
WELL LOCATION (LATITUDE)	32° 28' 26.72"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	2/21/2003	
DRILLING METHOD	Air rotary	
INNER CASING DIAMETER	3 inches	
BOREHOLE DIAMETER	6 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	4,310.93 feet above MSL	
ELEV BOTTOM OF WELL CASING	4,311.13 feet above MSL	
ELEV BOTTOM OF SCREENED INT	4,311.13 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,331.13 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,494.93 feet above MSL	

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-48
WELL LOCATION (LONGITUDE)	106° 28' 56.57"
WELL LOCATION (LATITUDE)	32° 25' 37.51"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,242.41 feet above MSL
ELEV BOTTOM OF WELL CASING	4,247.41 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,247.41 feet above MSL
ELEV OF TOP OF SCREENED INT	4,267.41 feet above MSL
SURVEYED ELEV OF CASING TOP	4,409.63 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area	
EPA I.D. NUMBER	NONE	
COUNTY	Dona Ana	
WELL NUMBER	HTA-49	
WELL LOCATION (LONGITUDE)	106° 29' 9.64"	
WELL LOCATION (LATITUDE)	32° 25' 7.67"	
AQUIFER NAME	Precambrian Granite (400PCMB)	
AQUIFER CONFINED		UNCONFINED X
WELL INSTALLATION DATE	12/12/2001	
DRILLING METHOD	Mud rotary	
INNER CASING DIAMETER	4 inches	
BOREHOLE DIAMETER	7.875 inches	
CASING MATERIAL	PVC	
METHOD OF DEVELOPMENT	Air lifted and pumped	
ELEV BOTTOM OF BOREHOLE	3,991.85 feet above MSL	
ELEV BOTTOM OF WELL CASING	3,992.85 feet above MSL	
ELEV BOTTOM OF SCREENED INT	3,992.85 feet above MSL	
ELEV OF TOP OF SCREENED INT	4,022.85 feet above MSL	
SURVEYED ELEV OF CASING TOP	4,414.13 feet above MSL	

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-50
WELL LOCATION (LONGITUDE)	106° 27' 31.4"
WELL LOCATION (LATITUDE)	32° 28' 33.32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/13/2002
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Bailed
ELEV BOTTOM OF BOREHOLE	3,846.45 feet above MSL
ELEV BOTTOM OF WELL CASING	3,850.05 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,850.05 feet above MSL
ELEV OF TOP OF SCREENED INT	3,880.05 feet above MSL
SURVEYED ELEV OF CASING TOP	4,368.24 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-51
WELL LOCATION (LONGITUDE)	106° 29' 1.41"
WELL LOCATION (LATITUDE)	32° 29' 0.61"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/24/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,692.23 feet above MSL
ELEV BOTTOM OF WELL CASING	4,692.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,692.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,712.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,837.23 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 1
WELL LOCATION (LONGITUDE)	106° 30' 17"
WELL LOCATION (LATITUDE)	32° 28' 4"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/3/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,859.16 feet above MSL
ELEV BOTTOM OF WELL CASING	4,863.16 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,868.16 feet above MSL
ELEV OF TOP OF SCREENED INT	4,888.16 feet above MSL
SURVEYED ELEV OF CASING TOP	5,045.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 2
WELL LOCATION (LONGITUDE)	106° 30' 9"
WELL LOCATION (LATITUDE)	32° 28' 0"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/03/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,890.99 feet above MSL
ELEV BOTTOM OF WELL CASING	4,893.99 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,898.99 feet above MSL
ELEV OF TOP OF SCREENED INT	4,917.99 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.37 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-WINDMILL
WELL LOCATION (LONGITUDE)	106° 50' 52"
WELL LOCATION (LATITUDE)	32° 28' 24"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unknown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	BONNEY SPRING MINE WINDMILL
WELL LOCATION (LONGITUDE)	106° 29' 11"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	4,978 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5,041 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR1A
WELL LOCATION (LONGITUDE)	106° 26' 32"
WELL LOCATION (LATITUDE)	32° 29' 02"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unkown

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR2
WELL LOCATION (LONGITUDE)	106° 26' 44"
WELL LOCATION (LATITUDE)	32° 28' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	September 1960
DRILLING METHOD	Cable tool
INNER CASING DIAMETER	8 inches to 608 feet, 6 inches to 747 feet
BOREHOLE DIAMETER	10 inches to 612 feet, 8 inches to 747 feet
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,440.71 feet above MSL
ELEV BOTTOM OF WELL CASING	3,449.71 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,196.71 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR3
WELL LOCATION (LONGITUDE)	106° 25' 11"
WELL LOCATION (LATITUDE)	32° 31' 04"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	January 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches to 1,000 feet
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,170.73 feet above MSL
ELEV BOTTOM OF WELL CASING	3,180.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,180.73 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR4
WELL LOCATION (LONGITUDE)	106° 27' 13"
WELL LOCATION (LATITUDE)	32° 27' 35"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown
UNCONFINED	Unknown
WELL INSTALLATION DATE	December 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	12 1/4 inches to 450 feet, 7 7/8 inches to total
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,145.83 feet above MSL
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,161.83 feet above MSL

APPENDIX I

Analytical Results from Severn Trent Services Laboratory for
Ground-Water Samples Collected October 1, 2, 3, 4, 10 & 11 2007

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

White Sands HTA
SDG: HTA-27
Lot #s: D7J040166 & D7J050164 & D7J130200

Richard Daddow

U.S. Geological Survey

TESTAMERICA DENVER

Lisa B. Antonczak
Project Manager

November 16, 2007

Case Narrative
HTA-27

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Sample Receiving
Thirty-nine samples were received under chain of custody on October 4, 2007 and logged under lot D7J040166. Fifteen samples were received under chain of custody on October 5, 2007 and logged under lot D7J050164. Three samples were received under chain of custody on October 13, 2007 and logged under lot D7J130200. These lots are reported here under SDG HTA-27.

Samples logged under lot D7J040166 were received at temperatures of 2.8°C, 1.5°C, 1.9°C, 3.7°C, 1.7°C, 2.1°C, 4.0°C, 1.7°C, 2.4°C, 2.9°C, 3.8°C, 3.7°C and 2.3°C. Samples logged under lot D7J050164 were received at temperatures of 1.4°C, 2.9°C, 3.6°C, 3.8°C, 2.9°C and 1.9°C. Samples logged under lot D7J130200 were received at a temperature of 4.6°C.

Samples HTA-43, HTA-31, HTA-46, HTA-35, HTA-44 and HTA-30, requesting Orthophosphate analysis, were received at the laboratory on October 4, 2007 after the recommended sample holding time had expired. The laboratory proceeded with the requested analysis. The client was notified on October 9, 2007.

Sample EMRE2, requesting Orthophosphate analysis, was received at the laboratory on October 5, 2007 after the recommended sample holding time had expired. The laboratory proceeded with the requested analysis. The client was notified on October 9, 2007.

Samples SMR2 and SMR4, requesting Orthophosphate analysis, were received at the laboratory on October 13, 2007 after the recommended sample holding time had expired. The laboratory proceeded with the requested analysis. The client was notified on October 14, 2007.

No other anomalies were encountered during sample receipt.

LC/MS – Perchlorate, SW846 6860
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Samples HTA-45 (D7J040166-001), HTA-16 (002), HTA-98 (003), HTA-43 (004), HTA-31 (005), HTA-50 (006), HTA-12 (008), HTA-10A (009), HTA-39 (010), HTA-42 (014), HTA-17 (015), HTA-15 (016), HTA-99 (017), HTA-4 (018), HTA-23 (019), HTA-13 (020), HTA-16D (021), HTA-11 (022), HTA-20 (023), HTA-25 (024), HTA-35 (025), HTA-44 (026), HTA-30 (027), HTA-41 (028), HTA-19 (029), HTA-18 (030), HTA-47A (031), HTA-51 (032), HTA-27 (033), HTA-37 (034), EMRE-1 (038), EMRE2 (D7J050164-001), HTA-22 (002), HTA-21 (003), HTA-14 (005), HTA-26 (011), HTA-29 (012), HTA-32 (013), HTA-28 (014) and HTA-3 (015) had to be analyzed at dilutions due to high constituent concentration of Perchlorate. The reporting limits have been adjusted relative to the dilutions required.

LC/MS – Perchlorate, SW846 6860 (cont.)
MS/MSD associated with QC batch 7283482 were performed on sample HTA-45 (D7J040166-001). All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7284383 were performed on sample HTA-16D (D7J040166-021). All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7296509 were performed on sample HTAWM (D7J050164-004), as requested. All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7306435 were performed on a sample from another client and/or lot. All spike parameters were within QC control limits.

The closing LODV associated with QC batch 7296509 did not meet acceptance criteria with a recovery at 174% (limits 70-130%). As the closing CCV did meet the acceptance criteria with a recovery at 101.5% (limits 85-115%), and the detections in the associated samples were above the response (area counts) of the CCV at 200 ng/L, the data meets the required criteria and corrective action is deemed unnecessary.

No other anomalies were observed.

HPLC – Explosives, SW846 8330
The LCS/LCSD associated with QC batch 7281121 exhibited percent recoveries and/or RPD data outside the QC control limits for 2-Amino-4,6-dinitrotoluene, 4-Amino-2,6-dinitrotoluene, 1,3-Dinitrobenzene, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Nitrobenzene, 1,3,5-Trinitrobenzene and 1,2-Dinitrobenzene. Upon re-extraction and reanalysis in QC batch 7303140, the LCS/LCSD were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the recommended sample holding times.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, samples HTA-16 (D7J040166-002), HTA-10A (009), HTA-17 (015), HTA-11 (022), HTA-20 (023) and HTA-14 (D7J050164-005) had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

Surrogate 1,2-Dinitrobenzene was recovered below the QC control limits in samples HTA-43 (D7J040166-004) and HTA-30 (027). Upon re-extraction and reanalysis, the surrogate recoveries were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the recommended sample holding times.

Surrogate recoveries could not be calculated for samples HTA-10A (009), HTA-11 (022) and HTA-20 (023), because the extracts were diluted beyond the ability to quantitate recoveries.

The RPD between the primary and confirmation columns exceeded 40% for 2,4-Dinitrotoluene in sample HTA-46 (D7J040166-013). The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

HPLC – Explosives, SW846 8330 (cont.)
The RPD between the primary and confirmation columns exceeded 40% for RDX in the initial analysis of sample HTA-30 (D7J040166-027). The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

The RPD between the primary and confirmation columns exceeded 40% for 2-Amino-4,6-dinitrotoluene in the re-analysis of sample HTA-37 (D7J040166-034). The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

MS/MSD associated with QC batch 7283201 were performed on sample HTAWM (D7J050164-004), as requested. All spike parameters were within QC control limits.

The method required MS/MSDs could not be performed for QC batches 7281121, 7281125, 7281424, 7283200, 7303140 and 7288188, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

The Continuing Calibration Verification (CCV) standards associated with QC batches 7281125 and7281424 exhibited %Difference (%D) values out of range for Nitrobenzene. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standards associated with QC batch 7303140 exhibited %Difference (%D) values out of range for Tetryl and Nitrobenzene. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standards associated with QC batch 7283201 exhibited a %Difference (%D) value out of range for Tetryl. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

No other anomalies were observed.

Total Metals, SW846 6010B/6020/7470A
Low levels of Cobalt, Selenium and Zinc are present in the method blanks associated with QC batches 7278246 and 7278247. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Zinc are present in the method blanks associated with QC batches 7278248 and 7282361. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Aluminum are present in the method blanks associated with QC batches 7278273 and 7290444. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Total Metals, SW846 6010B/6020/7470A (cont.)
Low levels of Iron are present in the method blank associated with QC batch 7282375. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Mercury are present in the method blank associated with QC batch 7289215. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Cadmium, Cobalt, Lead, Selenium and Zinc are present in the method blank associated with QC batch 7290371. Because the concentrations in the method blank are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

MS/MSDs associated with QC batches 7278246, 7278272 and 7289215 were performed on sample HTA-45 (D7J040166-001). All spike parameters were within QC control limits.

MS/MSDs associated with QC batches 7278247 and 7278273 were performed on sample HTA-42 (D7J040166-014). All spike parameters were within QC control limits.

MS/MSDs associated with QC batches 7278248 and 7278274 were performed on sample HTA-30 (D7J040166-027). All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7289216 was performed on sample HTA-16D (D7J040166-021). All spike parameters were within QC control limits.

MS/MSDs associated with QC batches 72982361, 7282375 and 7289218 were performed on sample HTAMW (D7J050164-004), as requested. All spike parameters were within QC control limits; however, percent recoveries and RPD data could not be calculated for the Manganese and Iron MS/MSD, due to the sample concentrations reading greater than four times the spike amounts.

MS/MSDs associated with QC batches 7290371, 7290444 and 7292394 were performed on sample SMR2 (D7J130200-001). The MS/MSD associated with QC batch 7290444 exhibited percent recoveries outside the control limits for Aluminum. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Silver was recovered outside the QC control limits in the Post Digestion Spike (PDS) performed on samples HTA-45 (D7J040166-001), HTA-42 (D7J040166-014), HTA-027 (D7J040166-027) and SMR2 (D7J130200-001). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary. The laboratory strongly suspected matrix interference is the cause for these anomalies.

Total Metals, SW846 6010B/6020/7470A (cont.)
The serial dilution performed on sample SMR2 (D7J130200-001) in analytical batch 7290444 indicates that physical and chemical interferences are present for Iron. Results in the analytical report have been flagged with an "L".

No other anomalies were observed.

General Chemistry, Various Parameters
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the methods. In some cases, due to high constituent concentrations, analyses had to be performed at dilutions. For analyses performed at dilutions due to high constituent concentrations, the results in the analytical report have been flagged with a "Q", and the reporting limits have been adjusted relative to the dilutions required.

Low levels of Total Alkalinity are present in the method blanks associated with QC batches 7279141, 7282447, 7282449, 7283437, 7291487 and 7293109. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Chloride are present in the method blank associated with QC batch 7278594. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Total Dissolved Solids are present in the method blank associated with QC batch 7282618. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Sulfate are present in the method blanks associated with QC batches 7279099 and 7305370. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Please note that the recoveries for the Chloride MS/MSDs performed on samples HTA-50 (D7J040166-006) in QC batch 7278599, HTA-27 (D7J040166-033) in QC batch 7278603 and HTAWM (D7J050164-004) in QC batch 7279101 are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Please note that the recoveries for the Sulfate MS/MSDs performed on samples HTA-22 (D7J050164-002) in QC batch 7278606, HTAWM (D7J050164-004) in QC batch 7279099 and on a sample from another client and/or lot in QC batch 7305370 are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

General Chemistry, Various Parameters (cont.)
Please note that the recoveries for the Sulfate (batch 7279099) MS/MSD performed on a sample from another client and/or lot are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The MS/MSD analyses run on samples HTA-50 (D7J040166-006), HTA-27 (D7J040166-033) and HTAWM (D7J050164-004) exhibited percent recoveries and relative percent difference (RPD) data outside the control limits for Orthophosphate (batches 7278601, 7278605 and 7279103, respectively). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The MS/MSD analyses run on sample HTA-50 (D7J040166-006) were in control for Bromide (batch 7278598), Fluoride (batch 7278600) and Sulfate (batch 7278135).

The MS/MSD analyses run on sample HTA-15 (D7J040166-016) were in control for Chloride (batch 7298553).

The MS/MSD analyses run on sample HTA-27 (D7J040166-033) were in control for Bromide (batch 7278602) and Fluoride (batch 7278604).

The MS/MSD analyses run on sample HTAWM (D7J050164-004) were in control for Bromide (batch 7279100), Fluoride (batch 7279102) and Nitrate-Nitrite (batch 7296371).

The MS/MSD analyses run on samples from other clients and/or lots exhibited percent recoveries and/or RPD data outside the control limits for Chloride (batch 7278594), Fluoride (batch 7278595), Orthophosphate (batches 7278596 and 7279122) and Sulfate (batch 7278597). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

All other MS/MSDs were performed on samples from other clients and/or lots and were in control.

The sample duplicate analysis run on a sample from another client and/or lot exhibited relative percent difference (RPD) data outside the QC control limits for Bromide. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The sample duplicate analyses run on samples HTA-45 (D7J040166-001), HTA-99 (D7J040166-017) and EMRE2 (D7J050164-001) were in control for Total Alkalinity (batches 7279141, 7282447 and 7282449).

The sample duplicate analyses run on samples HTA-16 (D7J040166-002), HTA-34 (D7J040166-007) and HTA-098 (D7J040166-003) were in control for Total Dissolved Solids (batches 7281482, 7282618 and 7282619).

The sample duplicate analysis run on a sample from another client and/or lot associated with QC batch 7289570 exhibited relative percent difference (RPD) data outside the QC control limits for Total Dissolved Solids. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

General Chemistry, Various Parameters (cont.)
All other duplicates were performed on samples from other clients and/or lots and were in control.

No other anomalies were observed.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of regent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried throughout he entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative to the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low level standards in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, ie., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
a	Spiked analyte recovery is outside control limits.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
DIL	The concentration is estimated or not reported due to dilution.
E	Estimated result. Result concentrations exceeds the calibration range.
G	Inorganics: Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
ND	The analyte was not detected at the MDL concentration and with a measurable degree of confidence can be said not to be present at or above the RL concentration.
p	Relative percent difference (RPD) is outside stated control limits.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
V	General Chemistry: Elevated reporting limit due to limited sample volume.
Wa	Post digestion spike recovery fell between 40-85% due to matrix interference.
Wb	Post digestion spike recovery fell between 115-150% due to matrix interference.
I	Percent recovery is estimated since the results exceeded the calibration range.
T1	A tentatively identified compound that did not generate a spectral match of 80% or greater. Typically called "unknown"
T2	A tentatively identified compound with a spectral match of 80% or better
T3	A tentatively identified compound that was calibrated for by the lab, but not on the client target analyte list.
IC	Diluted due to high inorganic chloride.

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-45 10/02/07 15:40 001				
Perchlorate	3.2	1.0	ug/L	SW846 6860
Arsenic	0.47 B	5.0	ug/L	SW846 6020
Barium	30	1.0	ug/L	SW846 6020
Cobalt	0.14 B,J	1.0	ug/L	SW846 6020
Molybdenum	4.8	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Selenium	4.2 B,J	5.0	ug/L	SW846 6020
Zinc	3.0 B,J	10	ug/L	SW846 6020
Calcium	90000	200	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	15000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B
Vanadium	3.4 B	10	ug/L	SW846 6010B
Total Dissolved Solids	500	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	6.6	0.10	mg/L	MCAWW 353.2
Chloride	24 J	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.16 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	160 J	5.0	mg/L	MCAWW 310.1
HTA-16 10/02/07 17:20 002				
HMX	0.44 J	0.80	ug/L	SW846 8330
RDX	30	0.40	ug/L	SW846 8330
Perchlorate	18000	5000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	2.1 J	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Manganese	1.9	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Selenium	4.1 B,J	5.0	ug/L	SW846 6020
Zinc	4.1 B,J	10	ug/L	SW846 6020
Mercury	0.049 B,J	0.20	ug/L	SW846 7470A
Aluminum	20 B	100	ug/L	SW846 6010B
Calcium	120000	200	ug/L	SW846 6010B
Iron	69 B	100	ug/L	SW846 6010B
Potassium	780 B	3000	ug/L	SW846 6010B
Magnesium	27000	200	ug/L	SW846 6010B
Sodium	66000	1000	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-16 10/02/07 17:20 002				
Total Dissolved Solids	640	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
Chloride	43 J,Q	15	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.26	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-98 10/03/07 10:30 003				
Perchlorate	19	5.0	ug/L	SW846 6860
Barium	31	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Manganese	0.97 B	1.0	ug/L	SW846 6020
Molybdenum	11	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	3.9 B,J	5.0	ug/L	SW846 6020
Zinc	8.4 B,J	10	ug/L	SW846 6020
Aluminum	19 B	100	ug/L	SW846 6010B
Calcium	92000	200	ug/L	SW846 6010B
Iron	39 B	100	ug/L	SW846 6010B
Potassium	920 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	66000	1000	ug/L	SW846 6010B
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.5	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-43 10/01/07 15:50 004				
Perchlorate	41	10	ug/L	SW846 6860
Barium	25	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Chromium	0.55 B	2.0	ug/L	SW846 6020
Molybdenum	10	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	3.8 B,J	5.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-43 10/01/07 15:50 004				
Zinc	5.1 B,J	10	ug/L	SW846 6020
Calcium	96000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	23000	200	ug/L	SW846 6010B
Sodium	69000	1000	ug/L	SW846 6010B
Total Dissolved Solids	580	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.4	0.10	mg/L	MCAWW 353.2
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-31 10/01/07 17:20 005				
Perchlorate	7.3	2.0	ug/L	SW846 6860
Barium	33	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Manganese	0.68 B	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Selenium	4.3 B,J	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Mercury	0.028 B,J	0.20	ug/L	SW846 7470A
Calcium	100000	200	ug/L	SW846 6010B
Potassium	790 B	3000	ug/L	SW846 6010B
Magnesium	23000	200	ug/L	SW846 6010B
Sodium	69000	1000	ug/L	SW846 6010B
Total Dissolved Solids	570	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.5	0.10	mg/L	MCAWW 353.2
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-50 10/03/07 13:40 006				
Perchlorate	2.4	1.0	ug/L	SW846 6860
Arsenic	0.60 B	5.0	ug/L	SW846 6020
Barium	43	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-50 10/03/07 13:40 006				
Cobalt	0.24 B,J	1.0	ug/L	SW846 6020
Chromium	3.9	2.0	ug/L	SW846 6020
Copper	3.9	2.0	ug/L	SW846 6020
Manganese	4.5	1.0	ug/L	SW846 6020
Molybdenum	6.6	2.0	ug/L	SW846 6020
Nickel	13	2.0	ug/L	SW846 6020
Lead	0.33 B	1.0	ug/L	SW846 6020
Antimony	0.14 B	2.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	33 J	10	ug/L	SW846 6020
Aluminum	46 B	100	ug/L	SW846 6010B
Calcium	81000	200	ug/L	SW846 6010B
Iron	180	100	ug/L	SW846 6010B
Potassium	2300 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	54000	1000	ug/L	SW846 6010B
Vanadium	4.1 B	10	ug/L	SW846 6010B
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	6.2	0.10	mg/L	MCAWW 353.2
Chloride	30	3.0	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	160 J	5.0	mg/L	MCAWW 310.1
HTA-34 10/02/07 10:05 007				
Arsenic	0.22 B	5.0	ug/L	SW846 6020
Barium	59	1.0	ug/L	SW846 6020
Cobalt	0.16 B,J	1.0	ug/L	SW846 6020
Manganese	270	1.0	ug/L	SW846 6020
Molybdenum	6.7	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	1.7	1.0	ug/L	SW846 6020
Antimony	0.10 B	2.0	ug/L	SW846 6020
Selenium	2.1 B,J	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Mercury	0.041 B,J	0.20	ug/L	SW846 7470A
Calcium	100000	200	ug/L	SW846 6010B
Iron	69 B	100	ug/L	SW846 6010B
Potassium	2700 B	3000	ug/L	SW846 6010B
Magnesium	24000	200	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-34 10/02/07 10:05 007				
Sodium	69000	1000	ug/L	SW846 6010B
Total Dissolved Solids	600 J	10	mg/L	MCAWW 160.1
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280 J	5.0	mg/L	MCAWW 310.1
HTA-12 10/02/07 11:24 008				
Perchlorate	13	2.0	ug/L	SW846 6860
Barium	24	1.0	ug/L	SW846 6020
Cobalt	0.17 B,J	1.0	ug/L	SW846 6020
Manganese	1.0	1.0	ug/L	SW846 6020
Molybdenum	11	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Antimony	0.16 B	2.0	ug/L	SW846 6020
Selenium	3.4 B,J	5.0	ug/L	SW846 6020
Thallium	0.047 B	1.0	ug/L	SW846 6020
Zinc	4.8 B,J	10	ug/L	SW846 6020
Mercury	0.078 B,J	0.20	ug/L	SW846 7470A
Aluminum	22 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1300 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	68000	1000	ug/L	SW846 6010B
Total Dissolved Solids	640 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.3	0.10	mg/L	MCAWW 353.2
Chloride	30	3.0	mg/L	MCAWW 300.0A
Sulfate	200 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	250 J	5.0	mg/L	MCAWW 310.1
HTA-10A 10/02/07 12:40 009				
HMX	0.72 J	2.0	ug/L	SW846 8330
RDX	64	1.0	ug/L	SW846 8330
Perchlorate	15000	5000	ug/L	SW846 6860
Barium	31	1.0	ug/L	SW846 6020
Cadmium	0.075 B	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-10A 10/02/07 12:40 009				
Cobalt	1.7 J	1.0	ug/L	SW846 6020
Chromium	0.56 B	2.0	ug/L	SW846 6020
Manganese	1.6	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Antimony	0.083 B	2.0	ug/L	SW846 6020
Selenium	5.1 J	5.0	ug/L	SW846 6020
Zinc	3.6 B,J	10	ug/L	SW846 6020
Aluminum	38 B	100	ug/L	SW846 6010B
Calcium	96000	200	ug/L	SW846 6010B
Iron	31 B	100	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	60000	1000	ug/L	SW846 6010B
Total Dissolved Solids	610 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	14 Q	0.50	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.1	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-39 10/02/07 14:00 010				
Perchlorate	2.0	0.50	ug/L	SW846 6860
Arsenic	0.47 B	5.0	ug/L	SW846 6020
Barium	46	1.0	ug/L	SW846 6020
Cobalt	0.23 B,J	1.0	ug/L	SW846 6020
Chromium	1.3 B	2.0	ug/L	SW846 6020
Manganese	19	1.0	ug/L	SW846 6020
Molybdenum	21	2.0	ug/L	SW846 6020
Nickel	1.8 B	2.0	ug/L	SW846 6020
Lead	0.53 B	1.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	4.7 B,J	10	ug/L	SW846 6020
Aluminum	21 B	100	ug/L	SW846 6010B
Calcium	90000	200	ug/L	SW846 6010B
Iron	51 B	100	ug/L	SW846 6010B
Potassium	2500 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B
Vanadium	3.6 B	10	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-39 10/02/07 14:00 010				
Total Dissolved Solids	480 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
Chloride	37 J	3.0	mg/L	MCAWW 300.0A
Sulfate	120 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.30	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	160 J	5.0	mg/L	MCAWW 310.1
HTA-40 10/02/07 14:50 011				
Perchlorate	0.025 J	0.10	ug/L	SW846 6860
Barium	4.9	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Chromium	0.83 B	2.0	ug/L	SW846 6020
Manganese	58	1.0	ug/L	SW846 6020
Molybdenum	0.41 B	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	0.31 B	1.0	ug/L	SW846 6020
Antimony	0.074 B	2.0	ug/L	SW846 6020
Selenium	2.0 B,J	5.0	ug/L	SW846 6020
Zinc	5.6 B,J	10	ug/L	SW846 6020
Mercury	0.056 B,J	0.20	ug/L	SW846 7470A
Aluminum	34 B	100	ug/L	SW846 6010B
Calcium	85000	200	ug/L	SW846 6010B
Iron	78 B	100	ug/L	SW846 6010B
Potassium	2300 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	62000	1000	ug/L	SW846 6010B
Total Dissolved Solids	430 J	10	mg/L	MCAWW 160.1
Chloride	25 J	3.0	mg/L	MCAWW 300.0A
Sulfate	60 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	250 J	5.0	mg/L	MCAWW 310.1
HTA-40EB 10/02/07 15:30 012				
Cobalt	0.027 B,J	1.0	ug/L	SW846 6020
Chromium	1.1 B	2.0	ug/L	SW846 6020
Manganese	0.54 B	1.0	ug/L	SW846 6020
Nickel	0.46 B	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-40EB 10/02/07 15:30 012				
Selenium	1.8 B,J	5.0	ug/L	SW846 6020
Zinc	3.3 B,J	10	ug/L	SW846 6020
Calcium	220	200	ug/L	SW846 6010B
Chloride	0.56 B,J	3.0	mg/L	MCAWW 300.0A
Sulfate	0.35 B	5.0	mg/L	MCAWW 300.0A
Fluoride	0.066 B	0.50	mg/L	MCAWW 300.0A
HTA-46 10/01/07 14:30 013				
2,4-Dinitrotoluene	0.16	0.40	ug/L	SW846 8330
	Qualifiers: J,COL			
Barium	26	1.0	ug/L	SW846 6020
Cobalt	0.14 B,J	1.0	ug/L	SW846 6020
Manganese	26	1.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.1 B,J	5.0	ug/L	SW846 6020
Zinc	3.0 B,J	10	ug/L	SW846 6020
Calcium	85000	200	ug/L	SW846 6010B
Potassium	2400 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	75000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Chloride	45	3.0	mg/L	MCAWW 300.0A
Sulfate	99 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.0	0.50	mg/L	MCAWW 300.0A
Phosphate as P, Ortho	0.59	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	270 J	5.0	mg/L	MCAWW 310.1
HTA-42 10/02/07 13:55 014				
Perchlorate	5.1	2.0	ug/L	SW846 6860
Arsenic	0.28 B	5.0	ug/L	SW846 6020
Barium	35	1.0	ug/L	SW846 6020
Cobalt	0.13 B,J	1.0	ug/L	SW846 6020
Chromium	0.55 B	2.0	ug/L	SW846 6020
Molybdenum	3.7	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	3.1 B,J	10	ug/L	SW846 6020
Aluminum	44 B,J	100	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-42 10/02/07 13:55 014				
Calcium	92000	200	ug/L	SW846 6010B
Iron	180	100	ug/L	SW846 6010B
Potassium	1800 B	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	59000	1000	ug/L	SW846 6010B
Vanadium	3.3 B	10	ug/L	SW846 6010B
Total Dissolved Solids	520 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
Chloride	26 J	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.17 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-17 10/02/07 16:45 015				
RDX	38	0.40	ug/L	SW846 8330
Perchlorate	15000	5000	ug/L	SW846 6860
Barium	38	1.0	ug/L	SW846 6020
Cobalt	1.8 J	1.0	ug/L	SW846 6020
Chromium	0.55 B	2.0	ug/L	SW846 6020
Molybdenum	9.7	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	6.0 B,J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	65000	1000	ug/L	SW846 6010B
Total Dissolved Solids	670 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
Chloride	46 J	3.0	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-15 10/03/07 10:15 016				
RDX	19	0.20	ug/L	SW846 8330
Perchlorate	21000	5000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	2.5 J	1.0	ug/L	SW846 6020
Manganese	0.90 B	1.0	ug/L	SW846 6020
Molybdenum	7.6	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Antimony	0.087 B	2.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	4.2 B,J	10	ug/L	SW846 6020
Mercury	0.034 B,J	0.20	ug/L	SW846 7470A
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	65000	1000	ug/L	SW846 6010B
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
Chloride	53 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-99 10/03/07 10:20 017				
RDX	17	0.20	ug/L	SW846 8330
Perchlorate	21000	5000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	2.4 J	1.0	ug/L	SW846 6020
Chromium	0.56 B	2.0	ug/L	SW846 6020
Manganese	1.5	1.0	ug/L	SW846 6020
Molybdenum	7.3	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Antimony	0.075 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	4.2 B,J	10	ug/L	SW846 6020
Mercury	0.063 B,J	0.20	ug/L	SW846 7470A
Aluminum	45 B,J	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-99 10/03/07 10:20 017				
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	65000	1000	ug/L	SW846 6010B
Total Dissolved Solids	670	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	11 Q	0.50	mg/L	MCAWW 353.2
Chloride	54 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-4 10/03/07 10:25 018				
Perchlorate	24	10	ug/L	SW846 6860
Barium	28	1.0	ug/L	SW846 6020
Cobalt	0.13 B,J	1.0	ug/L	SW846 6020
Manganese	0.98 B	1.0	ug/L	SW846 6020
Molybdenum	9.7	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	3.6 B,J	5.0	ug/L	SW846 6020
Zinc	8.5 B,J	10	ug/L	SW846 6020
Mercury	0.038 B,J	0.20	ug/L	SW846 7470A
Aluminum	23 B,J	100	ug/L	SW846 6010B
Calcium	92000	200	ug/L	SW846 6010B
Iron	57 B	100	ug/L	SW846 6010B
Potassium	830 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	66000	1000	ug/L	SW846 6010B
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-23 10/02/07 14:25 019				
Perchlorate	120	50	ug/L	SW846 6860
Barium	56	1.0	ug/L	SW846 6020
Cadmium	0.067 B	1.0	ug/L	SW846 6020
Cobalt	0.18 B,J	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-23 10/02/07 14:25 019				
Manganese	13	1.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Lead	1.1	1.0	ug/L	SW846 6020
Selenium	2.9 B,J	5.0	ug/L	SW846 6020
Thallium	0.060 B	1.0	ug/L	SW846 6020
Zinc	5.2 B,J	10	ug/L	SW846 6020
Mercury	0.035 B,J	0.20	ug/L	SW846 7470A
Aluminum	28 B,J	100	ug/L	SW846 6010B
Calcium	82000	200	ug/L	SW846 6010B
Potassium	2800 B	3000	ug/L	SW846 6010B
Magnesium	19000	200	ug/L	SW846 6010B
Sodium	51000	1000	ug/L	SW846 6010B
Total Dissolved Solids	460 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.6	0.10	mg/L	MCAWW 353.2
Chloride	22 J	3.0	mg/L	MCAWW 300.0A
Sulfate	100 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-13 10/02/07 15:35 020				
RDX	1.6	0.20	ug/L	SW846 8330
Perchlorate	12000	2000	ug/L	SW846 6860
Barium	37	1.0	ug/L	SW846 6020
Cobalt	0.16 B,J	1.0	ug/L	SW846 6020
Molybdenum	17	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Selenium	3.2 B,J	5.0	ug/L	SW846 6020
Zinc	4.7 B,J	10	ug/L	SW846 6020
Mercury	0.045 B,J	0.20	ug/L	SW846 7470A
Aluminum	27 B,J	100	ug/L	SW846 6010B
Calcium	94000	200	ug/L	SW846 6010B
Potassium	1400 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Total Dissolved Solids	560 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	5.4	0.10	mg/L	MCAWW 353.2
Chloride	31 J	3.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-13 10/02/07 15:35 020				
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-16D 10/03/07 11:15 021				
HMX	0.20 J	0.40	ug/L	SW846 8330
RDX	25	0.20	ug/L	SW846 8330
Perchlorate	18000	5000	ug/L	SW846 6860
Arsenic	0.21 B	5.0	ug/L	SW846 6020
Barium	36	1.0	ug/L	SW846 6020
Cobalt	2.1 J	1.0	ug/L	SW846 6020
Manganese	0.59 B	1.0	ug/L	SW846 6020
Molybdenum	6.6	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	3.7 B,J	10	ug/L	SW846 6020
Mercury	0.045 B	0.20	ug/L	SW846 7470A
Aluminum	63 B,J	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1300 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	68000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.3 Q	0.50	mg/L	MCAWW 353.2
Chloride	51 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-11 10/02/07 14:35 022				
HMX	1.2 J	2.0	ug/L	SW846 8330
RDX	110	1.0	ug/L	SW846 8330
Perchlorate	21000	5000	ug/L	SW846 6860
Arsenic	0.22 B	5.0	ug/L	SW846 6020
Barium	34	1.0	ug/L	SW846 6020
Cobalt	2.4 J	1.0	ug/L	SW846 6020
Manganese	0.75 B	1.0	ug/L	SW846 6020
Molybdenum	13	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-11 10/02/07 14:35 022				
Nickel	1.3 B	2.0	ug/L	SW846 6020
Antimony	0.39 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	150 J	10	ug/L	SW846 6020
Mercury	0.032 B	0.20	ug/L	SW846 7470A
Aluminum	52 B,J	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Iron	290	100	ug/L	SW846 6010B
Potassium	950 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	64000	1000	ug/L	SW846 6010B
Total Dissolved Solids	620 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	12 Q	0.50	mg/L	MCAWW 353.2
Chloride	31 J	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-20 10/02/07 16:20 023				
HMX	0.53 J	2.0	ug/L	SW846 8330
RDX	46	1.0	ug/L	SW846 8330
Perchlorate	20000	5000	ug/L	SW846 6860
Arsenic	0.84 B	5.0	ug/L	SW846 6020
Barium	28	1.0	ug/L	SW846 6020
Cobalt	2.8 J	1.0	ug/L	SW846 6020
Manganese	2.7	1.0	ug/L	SW846 6020
Molybdenum	9.6	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Antimony	1.9 B	2.0	ug/L	SW846 6020
Selenium	3.1 B,J	5.0	ug/L	SW846 6020
Zinc	140 J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Iron	31 B	100	ug/L	SW846 6010B
Potassium	850 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	71000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.1 Q	0.50	mg/L	MCAWW 353.2
Chloride	38 J	3.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-20 10/02/07 16:20 023				
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.84	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240 J	5.0	mg/L	MCAWW 310.1
HTA-25 10/02/07 17:35 024				
RDX	2.4	0.20	ug/L	SW846 8330
Perchlorate	5700	1000	ug/L	SW846 6860
Barium	34	1.0	ug/L	SW846 6020
Cadmium	0.13 B	1.0	ug/L	SW846 6020
Cobalt	2.2 J	1.0	ug/L	SW846 6020
Copper	2.6	2.0	ug/L	SW846 6020
Manganese	500	1.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	2.5	2.0	ug/L	SW846 6020
Lead	2.9	1.0	ug/L	SW846 6020
Selenium	2.8 B,J	5.0	ug/L	SW846 6020
Zinc	250 J	10	ug/L	SW846 6020
Mercury	0.038 B	0.20	ug/L	SW846 7470A
Aluminum	34 B,J	100	ug/L	SW846 6010B
Calcium	120000	200	ug/L	SW846 6010B
Iron	300	100	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	86000	1000	ug/L	SW846 6010B
Total Dissolved Solids	680 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.0	0.10	mg/L	MCAWW 353.2
Chloride	49 J	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.27	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	260 J	5.0	mg/L	MCAWW 310.1
HTA-35 10/01/07 14:35 025				
Perchlorate	2.5	0.50	ug/L	SW846 6860
Barium	11	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Copper	0.74 B	2.0	ug/L	SW846 6020
Manganese	0.54 B	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-35 10/01/07 14:35 025				
Molybdenum	21	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.5 B,J	5.0	ug/L	SW846 6020
Zinc	4.2 B,J	10	ug/L	SW846 6020
Calcium	100000	200	ug/L	SW846 6010B
Potassium	2600 B	3000	ug/L	SW846 6010B
Magnesium	17000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Vanadium	2.7 B	10	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.2	0.10	mg/L	MCAWW 353.2
Chloride	33	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-44 10/01/07 15:50 026				
Perchlorate	1.1	0.50	ug/L	SW846 6860
Arsenic	0.91 B	5.0	ug/L	SW846 6020
Barium	7.8	1.0	ug/L	SW846 6020
Cobalt	0.14 B,J	1.0	ug/L	SW846 6020
Copper	0.59 B	2.0	ug/L	SW846 6020
Manganese	20	1.0	ug/L	SW846 6020
Molybdenum	24	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Antimony	0.37 B	2.0	ug/L	SW846 6020
Selenium	13 J	5.0	ug/L	SW846 6020
Thallium	0.039 B	1.0	ug/L	SW846 6020
Zinc	4.4 B,J	10	ug/L	SW846 6020
Mercury	0.10 B	0.20	ug/L	SW846 7470A
Aluminum	26 B,J	100	ug/L	SW846 6010B
Calcium	88000	200	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.60	0.10	mg/L	MCAWW 353.2
Chloride	25	3.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-44 10/01/07 15:50 026				
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-30 10/01/07 16:35 027				
RDX	0.18	0.20	ug/L	SW846 8330
	Qualifiers: J,COL			
RDX	0.30	0.20	ug/L	SW846 8330
Perchlorate	1500	500	ug/L	SW846 6860
Barium	33	1.0	ug/L	SW846 6020
Cobalt	0.25 B	1.0	ug/L	SW846 6020
Chromium	0.65 B	2.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.0 B	5.0	ug/L	SW846 6020
Zinc	2.9 B,J	10	ug/L	SW846 6020
Calcium	86000	200	ug/L	SW846 6010B
Potassium	1000 B	3000	ug/L	SW846 6010B
Magnesium	23000	200	ug/L	SW846 6010B
Sodium	58000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	5.7	0.10	mg/L	MCAWW 353.2
Chloride	20	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.1	0.50	mg/L	MCAWW 300.0A
Bromide	0.17 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-41 10/03/07 11:25 028				
Perchlorate	3.4	0.50	ug/L	SW846 6860
Arsenic	0.32 B	5.0	ug/L	SW846 6020
Barium	32	1.0	ug/L	SW846 6020
Cobalt	0.21 B	1.0	ug/L	SW846 6020
Chromium	0.71 B	2.0	ug/L	SW846 6020
Manganese	16	1.0	ug/L	SW846 6020
Molybdenum	6.0	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Lead	1.3	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-41 10/03/07 11:25 028				
Zinc	6.3 B,J	10	ug/L	SW846 6020
Aluminum	32 B	100	ug/L	SW846 6010B
Calcium	94000	200	ug/L	SW846 6010B
Iron	48 B	100	ug/L	SW846 6010B
Potassium	1900 B	3000	ug/L	SW846 6010B
Magnesium	15000	200	ug/L	SW846 6010B
Sodium	54000	1000	ug/L	SW846 6010B
Vanadium	3.1 B	10	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	5.8	0.10	mg/L	MCAWW 353.2
Chloride	26	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Phosphate as P, Ortho	0.62	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-19 10/03/07 12:20 029				
RDX	0.24	0.20	ug/L	SW846 8330
Perchlorate	8300	1000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	0.74 B	1.0	ug/L	SW846 6020
Manganese	0.37 B	1.0	ug/L	SW846 6020
Molybdenum	7.3	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Selenium	3.7 B	5.0	ug/L	SW846 6020
Zinc	5.2 B,J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1400 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	63000	1000	ug/L	SW846 6010B
Total Dissolved Solids	670	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	20 Q	0.50	mg/L	MCAWW 353.2
Chloride	43	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.29	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-18 10/03/07 13:20 030				
RDX	0.082 J	0.20	ug/L	SW846 8330
Perchlorate	4400	1000	ug/L	SW846 6860
Barium	36	1.0	ug/L	SW846 6020
Cobalt	0.32 B	1.0	ug/L	SW846 6020
Manganese	0.81 B	1.0	ug/L	SW846 6020
Molybdenum	14	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.8 B	5.0	ug/L	SW846 6020
Zinc	3.3 B,J	10	ug/L	SW846 6020
Calcium	93000	200	ug/L	SW846 6010B
Iron	24 B	100	ug/L	SW846 6010B
Potassium	1100 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	59000	1000	ug/L	SW846 6010B
Total Dissolved Solids	570	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
Chloride	36	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-47A 10/03/07 12:05 031				
Perchlorate	2.9	0.50	ug/L	SW846 6860
Barium	37	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Chromium	0.94 B	2.0	ug/L	SW846 6020
Manganese	2.5	1.0	ug/L	SW846 6020
Molybdenum	6.7	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Lead	0.39 B	1.0	ug/L	SW846 6020
Antimony	0.092 B	2.0	ug/L	SW846 6020
Selenium	1.3 B	5.0	ug/L	SW846 6020
Thallium	0.021 B	1.0	ug/L	SW846 6020
Zinc	6.7 B,J	10	ug/L	SW846 6020
Aluminum	48 B	100	ug/L	SW846 6010B
Calcium	93000	200	ug/L	SW846 6010B
Iron	50 B	100	ug/L	SW846 6010B
Potassium	3900	3000	ug/L	SW846 6010B
Magnesium	19000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-47A 10/03/07 12:05 031				
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.7	0.10	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
HTA-51 10/03/07 13:00 032				
Perchlorate	35	10	ug/L	SW846 6860
Barium	25	1.0	ug/L	SW846 6020
Cobalt	0.17 B	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Manganese	0.91 B	1.0	ug/L	SW846 6020
Molybdenum	5.3	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	0.45 B	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Zinc	3.7 B,J	10	ug/L	SW846 6020
Aluminum	28 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Iron	38 B	100	ug/L	SW846 6010B
Potassium	1400 B	3000	ug/L	SW846 6010B
Magnesium	27000	200	ug/L	SW846 6010B
Sodium	70000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.7	0.10	mg/L	MCAWW 353.2
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	200 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.1	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240 J	5.0	mg/L	MCAWW 310.1
HTA-27 10/03/07 14:00 033				
Perchlorate	50	10	ug/L	SW846 6860
Barium	39	1.0	ug/L	SW846 6020
Cobalt	0.19 B	1.0	ug/L	SW846 6020
Chromium	0.56 B	2.0	ug/L	SW846 6020
Manganese	14	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-27 10/03/07 14:00 033				
Molybdenum	24	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Lead	0.47 B	1.0	ug/L	SW846 6020
Thallium	0.024 B	1.0	ug/L	SW846 6020
Zinc	5.7 B,J	10	ug/L	SW846 6020
Aluminum	47 B	100	ug/L	SW846 6010B
Calcium	86000	200	ug/L	SW846 6010B
Potassium	2100 B	3000	ug/L	SW846 6010B
Magnesium	22000	200	ug/L	SW846 6010B
Sodium	45000	1000	ug/L	SW846 6010B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.61	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-37 10/02/07 12:30 034				
2-Amino-4,6-dinitrotoluene	0.50	0.20	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	0.45 COL	0.20	ug/L	SW846 8330
Perchlorate	2.4	1.0	ug/L	SW846 6860
Barium	4.5	1.0	ug/L	SW846 6020
Cobalt	0.14 B	1.0	ug/L	SW846 6020
Copper	0.71 B	2.0	ug/L	SW846 6020
Manganese	45	1.0	ug/L	SW846 6020
Molybdenum	17	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.29 B	1.0	ug/L	SW846 6020
Selenium	1.1 B	5.0	ug/L	SW846 6020
Zinc	3.8 B,J	10	ug/L	SW846 6020
Aluminum	85 B	100	ug/L	SW846 6010B
Calcium	81000	200	ug/L	SW846 6010B
Potassium	2600 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	42000	1000	ug/L	SW846 6010B
Total Dissolved Solids	420 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.2	0.10	mg/L	MCAWW 353.2

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-37 10/02/07 12:30 034				
Chloride	17 J	3.0	mg/L	MCAWW 300.0A
Sulfate	86 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.15 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-36 10/02/07 13:10 035				
RDX	1.2	0.20	ug/L	SW846 8330
Perchlorate	0.075 J	0.10	ug/L	SW846 6860
Arsenic	0.23 B	5.0	ug/L	SW846 6020
Barium	25	1.0	ug/L	SW846 6020
Cobalt	0.36 B	1.0	ug/L	SW846 6020
Chromium	0.94 B	2.0	ug/L	SW846 6020
Copper	0.73 B	2.0	ug/L	SW846 6020
Manganese	300	1.0	ug/L	SW846 6020
Molybdenum	16	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Lead	0.91 B	1.0	ug/L	SW846 6020
Zinc	9.4 B,J	10	ug/L	SW846 6020
Aluminum	170	100	ug/L	SW846 6010B
Calcium	85000	200	ug/L	SW846 6010B
Iron	300	100	ug/L	SW846 6010B
Potassium	4500	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	47000	1000	ug/L	SW846 6010B
Total Dissolved Solids	430 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.13	0.10	mg/L	MCAWW 353.2
Chloride	15 J	3.0	mg/L	MCAWW 300.0A
Sulfate	77 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.13 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	230 J	5.0	mg/L	MCAWW 310.1
HTA-48 10/03/07 10:20 036				
Perchlorate	1.1	0.10	ug/L	SW846 6860
Barium	54	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Chromium	0.62 B	2.0	ug/L	SW846 6020
Manganese	160	1.0	ug/L	SW846 6020
Molybdenum	2.9	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-48 10/03/07 10:20 036				
Nickel	1.7 B	2.0	ug/L	SW846 6020
Zinc	3.4 B,J	10	ug/L	SW846 6020
Aluminum	44 B	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Iron	130	100	ug/L	SW846 6010B
Potassium	2800 B	3000	ug/L	SW846 6010B
Magnesium	11000	200	ug/L	SW846 6010B
Sodium	61000	1000	ug/L	SW846 6010B
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.8	0.10	mg/L	MCAWW 353.2
Chloride	18 J	3.0	mg/L	MCAWW 300.0A
Sulfate	82 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.15 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280 J	5.0	mg/L	MCAWW 310.1
HTA-33 10/02/07 10:15 037				
Perchlorate	0.95	0.10	ug/L	SW846 6860
Barium	42	1.0	ug/L	SW846 6020
Cobalt	0.13 B	1.0	ug/L	SW846 6020
Manganese	0.76 B	1.0	ug/L	SW846 6020
Molybdenum	18	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	1.8 B	5.0	ug/L	SW846 6020
Thallium	0.021 B	1.0	ug/L	SW846 6020
Zinc	6.0 B,J	10	ug/L	SW846 6020
Aluminum	33 B	100	ug/L	SW846 6010B
Calcium	99000	200	ug/L	SW846 6010B
Potassium	2400 B	3000	ug/L	SW846 6010B
Magnesium	22000	200	ug/L	SW846 6010B
Sodium	60000	1000	ug/L	SW846 6010B
Total Dissolved Solids	570 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.9	0.10	mg/L	MCAWW 353.2
Chloride	29 J	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	250 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EMRE-1 10/02/07 11:40 038				
Perchlorate	7.3	2.0	ug/L	SW846 6860
Arsenic	0.61 B	5.0	ug/L	SW846 6020
Barium	38	1.0	ug/L	SW846 6020
Cobalt	0.13 B	1.0	ug/L	SW846 6020
Manganese	0.35 B	1.0	ug/L	SW846 6020
Molybdenum	18	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	1.8 B	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Calcium	83000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	13000	200	ug/L	SW846 6010B
Sodium	53000	1000	ug/L	SW846 6010B
Vanadium	3.5 B	10	ug/L	SW846 6010B
Total Dissolved Solids	480 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.4	0.10	mg/L	MCAWW 353.2
Chloride	25 J	3.0	mg/L	MCAWW 300.0A
Sulfate	120 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
HTA-38 10/02/07 11:50 039				
Perchlorate	1.1	0.10	ug/L	SW846 6860
Arsenic	0.35 B	5.0	ug/L	SW846 6020
Barium	47	1.0	ug/L	SW846 6020
Cobalt	0.11 B	1.0	ug/L	SW846 6020
Chromium	1.3 B	2.0	ug/L	SW846 6020
Copper	1.1 B	2.0	ug/L	SW846 6020
Manganese	4.7	1.0	ug/L	SW846 6020
Molybdenum	10	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.29 B	1.0	ug/L	SW846 6020
Selenium	0.96 B	5.0	ug/L	SW846 6020
Zinc	3.3 B,J	10	ug/L	SW846 6020
Aluminum	20 B	100	ug/L	SW846 6010B
Calcium	70000	200	ug/L	SW846 6010B
Potassium	1500 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	42000	1000	ug/L	SW846 6010B
Vanadium	2.6 B	10	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-38 10/02/07 11:50 039				
Total Dissolved Solids	400 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.1	0.10	mg/L	MCAWW 353.2
Chloride	14 J	3.0	mg/L	MCAWW 300.0A
Sulfate	75 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.14 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EMRE2 10/02/07 12:40 001				
Perchlorate	9.9	2.0	ug/L	SW846 6860
Arsenic	0.35 B	5.0	ug/L	SW846 6020
Barium	35	1.0	ug/L	SW846 6020
Cobalt	0.12 B	1.0	ug/L	SW846 6020
Manganese	0.56 B	1.0	ug/L	SW846 6020
Molybdenum	16	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Selenium	2.2 B	5.0	ug/L	SW846 6020
Zinc	3.0 B,J	10	ug/L	SW846 6020
Aluminum	18 B	100	ug/L	SW846 6010B
Calcium	89000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Vanadium	3.0 B	10	ug/L	SW846 6010B
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.9	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
HTA-22 10/03/07 14:25 002				
Perchlorate	1100	200	ug/L	SW846 6860
Barium	37	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Manganese	1.2	1.0	ug/L	SW846 6020
Molybdenum	19	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Thallium	0.020 B	1.0	ug/L	SW846 6020
Zinc	6.5 B,J	10	ug/L	SW846 6020
Calcium	98000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	22000	200	ug/L	SW846 6010B
Sodium	58000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	20 Q	0.50	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-22 10/03/07 14:25 002				
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	120 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-21 10/03/07 15:40 003				
RDX	3.1	0.20	ug/L	SW846 8330
Perchlorate	8000	1000	ug/L	SW846 6860
Barium	36	1.0	ug/L	SW846 6020
Cobalt	0.71 B	1.0	ug/L	SW846 6020
Manganese	2.2	1.0	ug/L	SW846 6020
Molybdenum	7.5	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Zinc	3.2 B,J	10	ug/L	SW846 6020
Aluminum	32 B	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	24000	200	ug/L	SW846 6010B
Sodium	61000	1000	ug/L	SW846 6010B
Total Dissolved Solids	590	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.1 Q	0.50	mg/L	MCAWW 353.2
Chloride	40	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTAWM 10/04/07 14:05 004				
Perchlorate	0.13	0.10	ug/L	SW846 6860
Arsenic	0.34 B	5.0	ug/L	SW846 6020
Barium	52	1.0	ug/L	SW846 6020
Cobalt	0.22 B	1.0	ug/L	SW846 6020
Chromium	0.62 B	2.0	ug/L	SW846 6020
Copper	0.94 B	2.0	ug/L	SW846 6020
Manganese	570	1.0	ug/L	SW846 6020
Molybdenum	9.5	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTAWM 10/04/07 14:05 004				
Lead	0.94 B	1.0	ug/L	SW846 6020
Zinc	18 J	10	ug/L	SW846 6020
Aluminum	33 B	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Iron	7000 J	100	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	18000	200	ug/L	SW846 6010B
Sodium	60000	1000	ug/L	SW846 6010B
Total Dissolved Solids	540	10	mg/L	MCAWW 160.1
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	150 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1
HTA-14 10/04/07 10:35 005				
HMX	0.64 J	0.80	ug/L	SW846 8330
RDX	34	0.40	ug/L	SW846 8330
Perchlorate	7900	1000	ug/L	SW846 6860
Silver	0.72 B	5.0	ug/L	SW846 6020
Arsenic	0.25 B	5.0	ug/L	SW846 6020
Barium	55	1.0	ug/L	SW846 6020
Cadmium	0.086 B	1.0	ug/L	SW846 6020
Cobalt	1.2	1.0	ug/L	SW846 6020
Chromium	3.4	2.0	ug/L	SW846 6020
Copper	2.6	2.0	ug/L	SW846 6020
Manganese	97	1.0	ug/L	SW846 6020
Molybdenum	14	2.0	ug/L	SW846 6020
Nickel	3.6	2.0	ug/L	SW846 6020
Lead	2.4	1.0	ug/L	SW846 6020
Antimony	0.094 B	2.0	ug/L	SW846 6020
Selenium	2.9 B	5.0	ug/L	SW846 6020
Thallium	0.030 B	1.0	ug/L	SW846 6020
Zinc	16 J	10	ug/L	SW846 6020
Aluminum	1600	100	ug/L	SW846 6010B
Calcium	92000	200	ug/L	SW846 6010B
Iron	2900 J	100	ug/L	SW846 6010B
Potassium	1900 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Vanadium	4.1 B	10	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-14 10/04/07 10:35 005				
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.8 Q	0.50	mg/L	MCAWW 353.2
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
SMR1A 10/04/07 09:10 006				
Perchlorate	0.65	0.10	ug/L	SW846 6860
Arsenic	0.36 B	5.0	ug/L	SW846 6020
Barium	34	1.0	ug/L	SW846 6020
Cobalt	0.091 B	1.0	ug/L	SW846 6020
Chromium	1.0 B	2.0	ug/L	SW846 6020
Copper	2.8	2.0	ug/L	SW846 6020
Manganese	0.94 B	1.0	ug/L	SW846 6020
Molybdenum	4.5	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Lead	1.3	1.0	ug/L	SW846 6020
Selenium	2.0 B	5.0	ug/L	SW846 6020
Zinc	120 J	10	ug/L	SW846 6020
Calcium	78000	200	ug/L	SW846 6010B
Iron	42 B,J	100	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	48000	200	ug/L	SW846 6010B
Sodium	30000	1000	ug/L	SW846 6010B
Vanadium	3.2 B	10	ug/L	SW846 6010B
Total Dissolved Solids	510	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.1	0.10	mg/L	MCAWW 353.2
Chloride	24	3.0	mg/L	MCAWW 300.0A
Sulfate	150 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	1.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.15 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	230 J	5.0	mg/L	MCAWW 310.1
HTA-24 10/04/07 11:40 007				
Perchlorate	0.078 J	0.10	ug/L	SW846 6860
Arsenic	0.21 B	5.0	ug/L	SW846 6020
Barium	30	1.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-24 10/04/07 11:40 007				
Cobalt	0.34 B	1.0	ug/L	SW846 6020
Chromium	2.0	2.0	ug/L	SW846 6020
Manganese	150	1.0	ug/L	SW846 6020
Molybdenum	7.8	2.0	ug/L	SW846 6020
Nickel	2.2	2.0	ug/L	SW846 6020
Zinc	3.6 B,J	10	ug/L	SW846 6020
Aluminum	52 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Iron	390 J	100	ug/L	SW846 6010B
Potassium	1300 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	74000	1000	ug/L	SW846 6010B
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	200 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.28	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280 J	5.0	mg/L	MCAWW 310.1
HTA-5 10/04/07 12:40 008				
Perchlorate	0.035 J	0.10	ug/L	SW846 6860
Arsenic	0.25 B	5.0	ug/L	SW846 6020
Barium	31	1.0	ug/L	SW846 6020
Cadmium	0.040 B	1.0	ug/L	SW846 6020
Cobalt	0.50 B	1.0	ug/L	SW846 6020
Chromium	2.3	2.0	ug/L	SW846 6020
Copper	0.88 B	2.0	ug/L	SW846 6020
Manganese	580	1.0	ug/L	SW846 6020
Molybdenum	4.0	2.0	ug/L	SW846 6020
Nickel	3.5	2.0	ug/L	SW846 6020
Lead	0.93 B	1.0	ug/L	SW846 6020
Zinc	8.2 B,J	10	ug/L	SW846 6020
Aluminum	540	100	ug/L	SW846 6010B
Calcium	210000	200	ug/L	SW846 6010B
Iron	2200 J	100	ug/L	SW846 6010B
Potassium	3400	3000	ug/L	SW846 6010B
Magnesium	37000	200	ug/L	SW846 6010B
Sodium	61000	1000	ug/L	SW846 6010B
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.020 B	0.10	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-5 10/04/07 12:40 008				
Chloride	42	3.0	mg/L	MCAWW 300.0A
Sulfate	490 J,Q	100	mg/L	MCAWW 300.0A
Fluoride	2.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.33	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	270 J	5.0	mg/L	MCAWW 310.1
BONNEY SPRING 10/04/07 13:45 009				
Perchlorate	0.016 J	0.10	ug/L	SW846 6860
Barium	46	1.0	ug/L	SW846 6020
Cadmium	0.75 B	1.0	ug/L	SW846 6020
Cobalt	0.24 B	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Copper	1.9 B	2.0	ug/L	SW846 6020
Manganese	120	1.0	ug/L	SW846 6020
Molybdenum	1.3 B	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	6.7	1.0	ug/L	SW846 6020
Antimony	0.32 B	2.0	ug/L	SW846 6020
Zinc	410 J	10	ug/L	SW846 6020
Aluminum	54 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Iron	1500 J	100	ug/L	SW846 6010B
Potassium	2100 B	3000	ug/L	SW846 6010B
Magnesium	59000	200	ug/L	SW846 6010B
Sodium	24000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.052 B	0.10	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	200 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	1.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	300 J	5.0	mg/L	MCAWW 310.1
MARKHAM SPRING 10/04/07 12:00 010				
Perchlorate	0.80	0.10	ug/L	SW846 6860
Barium	39	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Manganese	15	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MARKHAM SPRING 10/04/07 12:00 010				
Selenium	0.81 B	5.0	ug/L	SW846 6020
Zinc	13 J	10	ug/L	SW846 6020
Aluminum	19 B	100	ug/L	SW846 6010B
Calcium	99000	200	ug/L	SW846 6010B
Iron	110 J	100	ug/L	SW846 6010B
Potassium	620 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	47000	1000	ug/L	SW846 6010B
Total Dissolved Solids	540	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.3	0.10	mg/L	MCAWW 353.2
Chloride	26	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	230 J	5.0	mg/L	MCAWW 310.1
HTA-26 10/04/07 10:00 011				
Perchlorate	3800	500	ug/L	SW846 6860
Barium	30	1.0	ug/L	SW846 6020
Cadmium	0.13 B	1.0	ug/L	SW846 6020
Cobalt	0.24 B	1.0	ug/L	SW846 6020
Manganese	35	1.0	ug/L	SW846 6020
Molybdenum	44	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Lead	3.2	1.0	ug/L	SW846 6020
Antimony	0.73 B	2.0	ug/L	SW846 6020
Selenium	2.5 B	5.0	ug/L	SW846 6020
Thallium	0.050 B	1.0	ug/L	SW846 6020
Zinc	4.6 B,J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Potassium	3000	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	70000	1000	ug/L	SW846 6010B
Total Dissolved Solids	620	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.8	0.10	mg/L	MCAWW 353.2
Chloride	29	3.0	mg/L	MCAWW 300.0A
Sulfate	190 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-29 10/04/07 11:10 012				
Perchlorate	220	100	ug/L	SW846 6860
Arsenic	0.22 B	5.0	ug/L	SW846 6020
Barium	29	1.0	ug/L	SW846 6020
Cadmium	0.24 B	1.0	ug/L	SW846 6020
Cobalt	0.27 B	1.0	ug/L	SW846 6020
Manganese	13	1.0	ug/L	SW846 6020
Molybdenum	11	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Selenium	2.2 B	5.0	ug/L	SW846 6020
Thallium	0.71 B	1.0	ug/L	SW846 6020
Zinc	4.4 B,J	10	ug/L	SW846 6020
Mercury	0.027 B	0.20	ug/L	SW846 7470A
Calcium	120000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	27000	200	ug/L	SW846 6010B
Sodium	72000	1000	ug/L	SW846 6010B
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.3	0.10	mg/L	MCAWW 353.2
Chloride	33	3.0	mg/L	MCAWW 300.0A
Sulfate	210 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.28	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240 J	5.0	mg/L	MCAWW 310.1
HTA-32 10/03/07 13:30 013				
Perchlorate	2100	500	ug/L	SW846 6860
Barium	27	1.0	ug/L	SW846 6020
Cobalt	0.13 B	1.0	ug/L	SW846 6020
Molybdenum	13	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Selenium	2.5 B	5.0	ug/L	SW846 6020
Zinc	2.6 B,J	10	ug/L	SW846 6020
Calcium	96000	200	ug/L	SW846 6010B
Iron	22 B,J	100	ug/L	SW846 6010B
Potassium	940 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	67000	1000	ug/L	SW846 6010B
Vanadium	2.5 B	10	ug/L	SW846 6010B
Total Dissolved Solids	580	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	8.5 Q	0.50	mg/L	MCAWW 353.2

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-32 10/03/07 13:30 013				
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-28 10/03/07 12:15 014				
Perchlorate	1100	500	ug/L	SW846 6860
Barium	31	1.0	ug/L	SW846 6020
Cobalt	0.15 B	1.0	ug/L	SW846 6020
Manganese	1.3	1.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Lead	0.31 B	1.0	ug/L	SW846 6020
Selenium	2.6 B	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Calcium	90000	200	ug/L	SW846 6010B
Potassium	1000 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	62000	1000	ug/L	SW846 6010B
Total Dissolved Solids	540	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.8 Q	0.50	mg/L	MCAWW 353.2
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.0	0.50	mg/L	MCAWW 300.0A
Phosphate as P, Ortho	0.27 B	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-3 10/03/07 14:35 015				
Perchlorate	2.2	0.50	ug/L	SW846 6860
Barium	29	1.0	ug/L	SW846 6020
Cobalt	0.11 B	1.0	ug/L	SW846 6020
Copper	0.91 B	2.0	ug/L	SW846 6020
Molybdenum	10	2.0	ug/L	SW846 6020
Nickel	0.97 B	2.0	ug/L	SW846 6020
Lead	0.23 B	1.0	ug/L	SW846 6020
Selenium	1.6 B	5.0	ug/L	SW846 6020
Zinc	110 J	10	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-3 10/03/07 14:35 015				
Calcium	89000	200	ug/L	SW846 6010B
Iron	42 B,J	100	ug/L	SW846 6010B
Potassium	730 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	63000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.6	0.10	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J130200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR2 10/10/07 14:10 001				
Perchlorate	0.63	0.10	ug/L	SW846 6860
Arsenic	0.67 B	5.0	ug/L	SW846 6020
Barium	37	1.0	ug/L	SW846 6020
Cadmium	0.47 B,J	1.0	ug/L	SW846 6020
Cobalt	0.75 B,J	1.0	ug/L	SW846 6020
Chromium	6.4	2.0	ug/L	SW846 6020
Copper	2.4	2.0	ug/L	SW846 6020
Manganese	120	1.0	ug/L	SW846 6020
Molybdenum	3.6	2.0	ug/L	SW846 6020
Nickel	3.1	2.0	ug/L	SW846 6020
Lead	0.82 B,J	1.0	ug/L	SW846 6020
Antimony	0.074 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Thallium	0.025 B	1.0	ug/L	SW846 6020
Zinc	9.3 B,J	10	ug/L	SW846 6020
Aluminum	450 J	100	ug/L	SW846 6010B
Calcium	94000	200	ug/L	SW846 6010B
Iron	3500 L	100	ug/L	SW846 6010B
Potassium	1900 B	3000	ug/L	SW846 6010B
Magnesium	37000	200	ug/L	SW846 6010B
Sodium	33000	1000	ug/L	SW846 6010B
Vanadium	5.0 B	10	ug/L	SW846 6010B
Total Dissolved Solids	560	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.4	0.10	mg/L	MCAWW 353.2
Chloride	28	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1
SMR4 10/10/07 15:30 002				
Arsenic	0.33 B	5.0	ug/L	SW846 6020
Barium	14	1.0	ug/L	SW846 6020
Cadmium	0.065 B,J	1.0	ug/L	SW846 6020
Cobalt	0.17 B,J	1.0	ug/L	SW846 6020
Chromium	1.3 B	2.0	ug/L	SW846 6020
Copper	2.5	2.0	ug/L	SW846 6020
Manganese	51	1.0	ug/L	SW846 6020
Molybdenum	2.1	2.0	ug/L	SW846 6020
Nickel	0.90 B	2.0	ug/L	SW846 6020
Lead	4.8 J	1.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J130200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR4 10/10/07 15:30 002				
Selenium	0.84 B,J	5.0	ug/L	SW846 6020
Thallium	0.023 B	1.0	ug/L	SW846 6020
Zinc	6.0 B,J	10	ug/L	SW846 6020
Aluminum	29 B,J	100	ug/L	SW846 6010B
Calcium	9200	200	ug/L	SW846 6010B
Iron	6600 L	100	ug/L	SW846 6010B
Potassium	2800 B	3000	ug/L	SW846 6010B
Magnesium	6200	200	ug/L	SW846 6010B
Sodium	58000	1000	ug/L	SW846 6010B
Total Dissolved Solids	210	10	mg/L	MCAWW 160.1
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	72 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	40 J	5.0	mg/L	MCAWW 310.1
SMR3 10/11/07 12:25 003				
Perchlorate	0.93	0.10	ug/L	SW846 6860
Arsenic	1.0 B	5.0	ug/L	SW846 6020
Barium	34	1.0	ug/L	SW846 6020
Cadmium	0.30 B,J	1.0	ug/L	SW846 6020
Cobalt	0.55 B,J	1.0	ug/L	SW846 6020
Chromium	4.3	2.0	ug/L	SW846 6020
Copper	2.0	2.0	ug/L	SW846 6020
Manganese	210	1.0	ug/L	SW846 6020
Molybdenum	3.2	2.0	ug/L	SW846 6020
Nickel	5.3	2.0	ug/L	SW846 6020
Lead	8.9 J	1.0	ug/L	SW846 6020
Selenium	2.6 B,J	5.0	ug/L	SW846 6020
Thallium	0.021 B	1.0	ug/L	SW846 6020
Zinc	100 J	10	ug/L	SW846 6020
Aluminum	30 B,J	100	ug/L	SW846 6010B
Calcium	86000	200	ug/L	SW846 6010B
Iron	13000 L	100	ug/L	SW846 6010B
Potassium	2100 B	3000	ug/L	SW846 6010B
Magnesium	49000	200	ug/L	SW846 6010B
Sodium	37000	1000	ug/L	SW846 6010B
Vanadium	5.2 B	10	ug/L	SW846 6010B
Total Dissolved Solids	610	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.1	0.10	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J130200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR3 10/11/07 12:25 003				
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	190 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	0.56	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

HTA-27

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bromide	MCAWW 300.0A	MCAWW 300.0A
Chloride	MCAWW 300.0A	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
ICP-MS (6020)	SW846 6020	SW846 3010
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330	SW846 3535
Phosphate as P, Ortho	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
SW846 6860 Perchlorate	SW846 6860	SW846 6860

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

HTA-27

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	Kevin Bloom	006134
MCAWW 160.1	ReAnna Davis	002266
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 300.0A	Grant Henshaw	004878
MCAWW 300.0A	Grant Henshaw	4878
MCAWW 310.1	Elizabeth Pryor	009450
MCAWW 353.2	Kevin Bloom	006134
SW846 6010B	Janel Motichka	002862
SW846 6010B	Janel Motichka	2862
SW846 6020	Luis Diaz	4729
SW846 6020	Thomas Lill	6929
SW846 6860	Deborah Coyle	003004
SW846 6860	Mark Dymerski	004626
SW846 6860	Tim O'Donnell	000443
SW846 7470A	David Wells	5099
SW846 8330	Carrie Lahr	008835

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

HTA-27 : D7J040166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J78NV	001	HTA-45	10/02/07	15:40
J78N7	002	HTA-16	10/02/07	17:20
J78N9	003	HTA-98	10/03/07	10:30
J78PA	004	HTA-43	10/01/07	15:50
J78PC	005	HTA-31	10/01/07	17:20
J78PD	006	HTA-50	10/03/07	13:40
J78PF	007	HTA-34	10/02/07	10:05
J78PG	008	HTA-12	10/02/07	11:24
J78PH	009	HTA-10A	10/02/07	12:40
J78PK	010	HTA-39	10/02/07	14:00
J78PM	011	HTA-40	10/02/07	14:50
J78PP	012	HTA-40EB	10/02/07	15:30
J78PR	013	HTA-46	10/01/07	14:30
J78PT	014	HTA-42	10/02/07	13:55
J78PV	015	HTA-17	10/02/07	16:45
J78PX	016	HTA-15	10/03/07	10:15
J78P2	017	HTA-99	10/03/07	10:20
J78P3	018	HTA-4	10/03/07	10:25
J78P4	019	HTA-23	10/02/07	14:25
J78P5	020	HTA-13	10/02/07	15:35
J78P7	021	HTA-16D	10/03/07	11:15
J78P8	022	HTA-11	10/02/07	14:35
J78QA	023	HTA-20	10/02/07	16:20
J78QC	024	HTA-25	10/02/07	17:35
J78QE	025	HTA-35	10/01/07	14:35
J78QG	026	HTA-44	10/01/07	15:50
J78QH	027	HTA-30	10/01/07	16:35
J78QJ	028	HTA-41	10/03/07	11:25
J78QK	029	HTA-19	10/03/07	12:20
J78QL	030	HTA-18	10/03/07	13:20
J78QM	031	HTA-47A	10/03/07	12:05
J78QP	032	HTA-51	10/03/07	13:00
J78QQ	033	HTA-27	10/03/07	14:00
J78QR	034	HTA-37	10/02/07	12:30
J78QT	035	HTA-36	10/02/07	13:10
J78QV	036	HTA-48	10/03/07	10:20

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SAMPLE SUMMARY

HTA-27 : D7J040166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J78QW	037	HTA-33	10/02/07	10:15
J78QX	038	EMRE-1	10/02/07	11:40
J78Q0	039	HTA-38	10/02/07	11:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

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SAMPLE SUMMARY

HTA-27 : D7J050164

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J8CCM	001	EMRE2	10/02/07	12:40
J8CCV	002	HTA-22	10/03/07	14:25
J8CCX	003	HTA-21	10/03/07	15:40
J8CC0	004	HTAWM	10/04/07	14:05
J8CC3	005	HTA-14	10/04/07	10:35
J8CC6	006	SMR1A	10/04/07	09:10
J8CC8	007	HTA-24	10/04/07	11:40
J8CC9	008	HTA-5	10/04/07	12:40
J8CDA	009	BONNEY SPRING	10/04/07	13:45
J8CDD	010	MARKHAM SPRING	10/04/07	12:00
J8CDP	011	HTA-26	10/04/07	10:00
J8CDQ	012	HTA-29	10/04/07	11:10
J8CDT	013	HTA-32	10/03/07	13:30
J8CDW	014	HTA-28	10/03/07	12:15
J8CDX	015	HTA-3	10/03/07	14:35

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
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(Continued on next page)

SAMPLE SUMMARY

HTA-27 : D7J130200

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J8X5T	001	SMR2	10/10/07	14:10
J8X5V	002	SMR4	10/10/07	15:30
J8X5W	003	SMR3	10/11/07	12:25

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

HPLC

Lot-Sample #...:	D7J040166-001	**Work Order #...:**	J78NV1AC	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 15:40	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/13/07		
Prep Batch #...:	7283482	**Analysis Time..:**	01:58		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3.2**	**1.0**	**ug/L**	**0.088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...:	D7J040166-002	**Work Order #...:**	J78N71AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 17:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	03:23		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...:	D7J040166-003	**Work Order #...:**	J78N91AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 10:30	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	03:55		
Dilution Factor:	50				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**19**	**5.0**	**ug/L**	**0.44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...:	D7J040166-004	**Work Order #...:**	J78PA1AN	**Matrix.....:**	WATER
Date Sampled...:	10/01/07 15:50	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	05:29		
Dilution Factor:	100				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**41**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

HPLC

Lot-Sample #...:	D7J040166-005	**Work Order #...:**	J78PC1AN	**Matrix.....:**	WATER
Date Sampled...:	10/01/07 17:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	06:01		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7.3**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

HPLC

Lot-Sample #...:	D7J040166-006	**Work Order #...:**	J78PD1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 13:40	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/13/07		
Prep Batch #...:	7283482	**Analysis Time..:**	03:33		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.4**	**1.0**	**ug/L**	**0.088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

HPLC

Lot-Sample #...:	D7J040166-007	**Work Order #...:**	J78PF1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 10:05	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	07:04		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...:	D7J040166-008	**Work Order #...:**	J78PG1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 11:24	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	07:35		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**13**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

HPLC

Lot-Sample #...:	D7J040166-009	**Work Order #...:**	J78PH1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 12:40	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	08:07		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**15000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

HPLC

Lot-Sample #...: D7J040166-010 **Work Order #...:** J78PK1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 04:04
Dilution Factor: 5
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.0**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

HPLC

Lot-Sample #...:	D7J040166-011	**Work Order #...:**	J78PM1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 14:50	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	09:10		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.025 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

HPLC

Lot-Sample #...:	D7J040166-012	**Work Order #...:**	J78PP1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 15:30	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	15:23		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...:	D7J040166-013	**Work Order #...:**	J78PR1AN	**Matrix.....:**	WATER
Date Sampled...:	10/01/07 14:30	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/13/07		
Prep Batch #...:	7283482	**Analysis Time..:**	04:36		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

HPLC

Lot-Sample #...:	D7J040166-014	**Work Order #...:**	J78PT1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 13:55	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	16:26		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5.1**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

HPLC

Lot-Sample #...:	D7J040166-015	**Work Order #...:**	J78PV1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 16:45	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	16:57		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**15000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

HPLC

Lot-Sample #...: D7J040166-016 **Work Order #...:** J78PX1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 17:29
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...:	D7J040166-017	**Work Order #...:**	J78P21AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 10:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	18:00		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

HPLC

Lot-Sample #...:	D7J040166-018	**Work Order #...:**	J78P31AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 10:25	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	18:32		
Dilution Factor:	100				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**24**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...:	D7J040166-019	**Work Order #...:**	J78P41AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 14:25	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	19:03		
Dilution Factor:	500				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**120**	**50**	**ug/L**	**4.4**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

HPLC

Lot-Sample #...:	D7J040166-020	**Work Order #...:**	J78P51AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 15:35	**Date Received..:**	10/04/07		
Prep Date.....:	10/10/07	**Analysis Date..:**	10/11/07		
Prep Batch #...:	7283482	**Analysis Time..:**	19:35		
Dilution Factor:	20000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**12000**	**2000**	**ug/L**	**180**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

HPLC

Lot-Sample #...:	D7J040166-021	**Work Order #...:**	J78P71AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 11:15	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	05:06		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...:	D7J040166-022	**Work Order #...:**	J78P81AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 14:35	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	17:32		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...:	D7J040166-023	**Work Order #...:**	J78QA1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 16:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	18:04		
Dilution Factor:	50000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**20000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...:	D7J040166-024	**Work Order #...:**	J78QC1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 17:35	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	19:39		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5700**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

HPLC

Lot-Sample #...:	D7J040166-025	**Work Order #...:**	J78QE1AN	**Matrix.....:**	WATER
Date Sampled...:	10/01/07 14:35	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	20:10		
Dilution Factor:	5				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.5**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

HPLC

Lot-Sample #...:	D7J040166-026	**Work Order #...:**	J78QG1AN	**Matrix.....:**	WATER
Date Sampled...:	10/01/07 15:50	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/18/07		
Prep Batch #...:	7284383	**Analysis Time..:**	06:35		
Dilution Factor:	5				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.1**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

HPLC

Lot-Sample #...:	D7J040166-027	**Work Order #...:**	J78QH1AN	**Matrix.....:**	WATER
Date Sampled...:	10/01/07 16:35	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	21:13		
Dilution Factor:	5000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1500**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

HPLC

Lot-Sample #...:	D7J040166-028	**Work Order #...:**	J78QJ1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 11:25	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	21:45		
Dilution Factor:	5				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3.4**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...:	D7J040166-029	**Work Order #...:**	J78QK1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 12:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	22:16		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8300**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

HPLC

Lot-Sample #...:	D7J040166-030	**Work Order #...:**	J78QL1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 13:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	22:48		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**4400**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

HPLC

Lot-Sample #...:	D7J040166-031	**Work Order #...:**	J78QM1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 12:05	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	23:19		
Dilution Factor:	5				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.9**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

HPLC

Lot-Sample #...:	D7J040166-032	**Work Order #...:**	J78QP1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 13:00	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/16/07		
Prep Batch #...:	7284383	**Analysis Time..:**	23:51		
Dilution Factor:	100				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**35**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7J040166-033 **Work Order #...:** J78QQ1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 00:22
Dilution Factor: 100

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**50**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

HPLC

Lot-Sample #...:	D7J040166-034	**Work Order #...:**	J78QR1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 12:30	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	01:57		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.4**	**1.0**	**ug/L**	**0.088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

HPLC

Lot-Sample #...:	D7J040166-035	**Work Order #...:**	J78QT1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 13:10	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	02:28		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.075 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

HPLC

Lot-Sample #...:	D7J040166-036	**Work Order #...:**	J78QV1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 10:20	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	03:00		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.1**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

HPLC

Lot-Sample #...:	D7J040166-037	**Work Order #...:**	J78QW1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 10:15	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	03:31		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.95**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

HPLC

Lot-Sample #...:	D7J040166-038	**Work Order #...:**	J78QX1AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 11:40	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	04:03		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7.3**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

HPLC

Lot-Sample #...:	D7J040166-039	**Work Order #...:**	J78Q01AN	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 11:50	**Date Received..:**	10/04/07		
Prep Date.....:	10/11/07	**Analysis Date..:**	10/17/07		
Prep Batch #...:	7284383	**Analysis Time..:**	04:34		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.1**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

HPLC

Lot-Sample #...:	D7J050164-001	**Work Order #...:**	J8CCM1AC	**Matrix.....:**	WATER
Date Sampled...:	10/02/07 12:40	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	00:48		
Dilution Factor:	20				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**9.9**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...:	D7J050164-002	**Work Order #...:**	J8CCV1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 14:25	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/26/07		
Prep Batch #...:	7296509	**Analysis Time..:**	12:44		
Dilution Factor:	2000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100**	**200**	**ug/L**	**18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

HPLC

Lot-Sample #...:	D7J050164-003	**Work Order #...:**	J8CCX1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 15:40	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/26/07		
Prep Batch #...:	7296509	**Analysis Time..:**	13:16		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8000**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

HPLC

Lot-Sample #...:	D7J050164-004	**Work Order #...:**	J8CC01AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 14:05	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	17:52		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.13**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...:	D7J050164-005	**Work Order #...:**	J8CC31AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 10:35	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/26/07		
Prep Batch #...:	7296509	**Analysis Time..:**	13:54		
Dilution Factor:	10000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7900**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...:	D7J050164-006	**Work Order #...:**	J8CC61AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 09:10	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	05:32		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.65**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...:	D7J050164-007	**Work Order #...:**	J8CC81AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 11:40	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/26/07		
Prep Batch #...:	7296509	**Analysis Time..:**	14:23		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.078 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

HPLC

Lot-Sample #...:	D7J050164-008	**Work Order #...:**	J8CC91AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 12:40	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	06:35		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.035 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

HPLC

Lot-Sample #...:	D7J050164-009	**Work Order #...:**	J8CDA1AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 13:45	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	07:06		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.016 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

HPLC

Lot-Sample #...:	D7J050164-010	**Work Order #...:**	J8CDD1AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 12:00	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	07:38		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.80**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...:	D7J050164-011	**Work Order #...:**	J8CDP1AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 10:00	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	09:12		
Dilution Factor:	5000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3800**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

HPLC

Lot-Sample #...:	D7J050164-012	**Work Order #...:**	J8CDQ1AN	**Matrix.....:**	WATER
Date Sampled...:	10/04/07 11:10	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	09:44		
Dilution Factor:	1000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**220**	**100**	**ug/L**	**8.8**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...:	D7J050164-013	**Work Order #...:**	J8CDT1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 13:30	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	10:15		
Dilution Factor:	5000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2100**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

HPLC

Lot-Sample #...:	D7J050164-014	**Work Order #...:**	J8CDW1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 12:15	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	10:47		
Dilution Factor:	5000				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

HPLC

Lot-Sample #...:	D7J050164-015	**Work Order #...:**	J8CDX1AN	**Matrix.....:**	WATER
Date Sampled...:	10/03/07 14:35	**Date Received..:**	10/05/07		
Prep Date.....:	10/23/07	**Analysis Date..:**	10/25/07		
Prep Batch #...:	7296509	**Analysis Time..:**	20:29		
Dilution Factor:	5				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.2**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

HPLC

Lot-Sample #...:	D7J130200-001	**Work Order #...:**	J8X5T1AC	**Matrix.....:**	WATER
Date Sampled...:	10/10/07 14:10	**Date Received..:**	10/13/07		
Prep Date.....:	11/02/07	**Analysis Date..:**	11/04/07		
Prep Batch #...:	7306435	**Analysis Time..:**	09:21		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.63**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

HPLC

Lot-Sample #...: D7J130200-002 **Work Order #...:** J8X5V1AN **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 09:52
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

HPLC

Lot-Sample #...:	D7J130200-003	**Work Order #...:**	J8X5W1AN	**Matrix.....:**	WATER
Date Sampled...:	10/11/07 12:25	**Date Received..:**	10/13/07		
Prep Date.....:	11/02/07	**Analysis Date..:**	11/04/07		
Prep Batch #...:	7306435	**Analysis Time..:**	10:24		
Dilution Factor:	1				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.93**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

HPLC

Lot-Sample #...: D7J040166-001 **Work Order #...:** J78NV1AA **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 14:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...: D7J040166-002 **Work Order #...:** J78N71AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 09:50
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.80	ug/L	0.18
2,4-Dinitrotoluene	ND	0.80	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.44 J**	**0.80**	**ug/L**	**0.18**
Nitrobenzene	ND	0.80	ug/L	0.18
2-Nitrotoluene	ND	0.80	ug/L	0.17
3-Nitrotoluene	ND	0.80	ug/L	0.17
4-Nitrotoluene	ND	2.0	ug/L	0.40
RDX	**30**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	2.0	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.80	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...: D7J040166-003 **Work Order #...:** J78N91AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 15:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	75	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 16:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	73 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA2AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 16:29
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

HPLC

Lot-Sample #...: D7J040166-005 **Work Order #...:** J78PC1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 05:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

HPLC

Lot-Sample #...: D7J040166-006 **Work Order #...:** J78PD1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 17:02
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

HPLC

Lot-Sample #...: D7J040166-007 **Work Order #...:** J78PF1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 17:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...: D7J040166-008 **Work Order #...:** J78PG1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 18:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

HPLC

Lot-Sample #...: D7J040166-009 **Work Order #...:** J78PH1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 12:14
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	2.0	ug/L	0.44
2,4-Dinitrotoluene	ND	2.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**0.72 J**	**2.0**	**ug/L**	**0.44**
Nitrobenzene	ND	2.0	ug/L	0.46
2-Nitrotoluene	ND	2.0	ug/L	0.43
3-Nitrotoluene	ND	2.0	ug/L	0.42
4-Nitrotoluene	ND	5.0	ug/L	1.0
RDX	**64**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	5.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

HPLC

Lot-Sample #...: D7J040166-010 **Work Order #...:** J78PK1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 19:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

HPLC

Lot-Sample #...: D7J040166-011 **Work Order #...:** J78PM1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 20:02
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

HPLC

Lot-Sample #...: D7J040166-012 **Work Order #...:** J78PP1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 20:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7J040166-013 **Work Order #...:** J78PR1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 21:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	**0.16 J,COL**	**0.40**	**ug/L**	**0.084**
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	85	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

HPLC

Lot-Sample #...: D7J040166-014 **Work Order #...:** J78PT1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 22:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

HPLC

Lot-Sample #...: D7J040166-015 **Work Order #...:** J78PV1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 12:50
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.80	ug/L	0.18
2,4-Dinitrotoluene	ND	0.80	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	ND	0.80	ug/L	0.18
Nitrobenzene	ND	0.80	ug/L	0.18
2-Nitrotoluene	ND	0.80	ug/L	0.17
3-Nitrotoluene	ND	0.80	ug/L	0.17
4-Nitrotoluene	ND	2.0	ug/L	0.40
RDX	**38**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	2.0	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.80	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

HPLC

Lot-Sample #...: D7J040166-016 **Work Order #...:** J78PX1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 23:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**19**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...: D7J040166-017 **Work Order #...:** J78P21AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 03:11
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**17**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

HPLC

Lot-Sample #...: D7J040166-018 **Work Order #...:** J78P31AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 03:47
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...: D7J040166-019 **Work Order #...:** J78P41AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 00:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	115	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

HPLC

Lot-Sample #...: D7J040166-020 **Work Order #...:** J78P51AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 00:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**1.6**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

HPLC

Lot-Sample #...: D7J040166-021 **Work Order #...:** J78P71AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 04:23
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	**0.20 J**	**0.40**	**ug/L**	**0.088**
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**25**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...: D7J040166-022 **Work Order #...:** J78P81AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 13:26
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	2.0	ug/L	0.44
2,4-Dinitrotoluene	ND	2.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**1.2 J**	**2.0**	**ug/L**	**0.44**
Nitrobenzene	ND	2.0	ug/L	0.46
2-Nitrotoluene	ND	2.0	ug/L	0.43
3-Nitrotoluene	ND	2.0	ug/L	0.42
4-Nitrotoluene	ND	5.0	ug/L	1.0
RDX	**110**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	5.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...: D7J040166-023 **Work Order #...:** J78QA1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 14:02
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	2.0	ug/L	0.44
2,4-Dinitrotoluene	ND	2.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**0.53 J**	**2.0**	**ug/L**	**0.44**
Nitrobenzene	ND	2.0	ug/L	0.46
2-Nitrotoluene	ND	2.0	ug/L	0.43
3-Nitrotoluene	ND	2.0	ug/L	0.42
4-Nitrotoluene	ND	5.0	ug/L	1.0
RDX	**46**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	5.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...: D7J040166-024 **Work Order #...:** J78QC1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 06:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**2.4**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

HPLC

Lot-Sample #...: D7J040166-025 **Work Order #...:** J78QE1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 06:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

HPLC

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 21:46
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

HPLC

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG2AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 17:05
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

HPLC

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 22:22
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.18 J,COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	71 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

HPLC

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH2AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 17:41
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.30**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	96	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

HPLC

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 22:58
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	85	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

HPLC

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ2AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 18:17
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...: D7J040166-029 **Work Order #...:** J78QK1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 04:59
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.24**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

HPLC

Lot-Sample #...: D7J040166-030 **Work Order #...:** J78QL1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 05:35
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.082 J**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

HPLC

Lot-Sample #...: D7J040166-031 **Work Order #...:** J78QM1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 06:11
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

HPLC

Lot-Sample #...: D7J040166-032 **Work Order #...:** J78QP1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 06:47
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7J040166-033 **Work Order #...:** J78QQ1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 07:23
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

HPLC

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 23:34
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	**0.50**	**0.20**	**ug/L**	**0.051**
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

HPLC

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR2AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 18:53
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	**0.45 COL**	**0.20**	**ug/L**	**0.051**
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

HPLC

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7281121 **Analysis Time..:** 00:10
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**1.2**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

HPLC

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT2AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 19:29
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	103	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

HPLC

Lot-Sample #...: D7J040166-036 **Work Order #...:** J78QV1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 07:59
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

HPLC

Lot-Sample #...: D7J040166-037 **Work Order #...:** J78QW1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 07:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

HPLC

Lot-Sample #...: D7J040166-038 **Work Order #...:** J78QX1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 08:02
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

HPLC

Lot-Sample #...: D7J040166-039 **Work Order #...:** J78Q01AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 08:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

HPLC

Lot-Sample #...: D7J050164-001 **Work Order #...:** J8CCM1AA **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 09:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...: D7J050164-002 **Work Order #...:** J8CCV1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 04:48
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

HPLC

Lot-Sample #...: D7J050164-003 **Work Order #...:** J8CCX1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 05:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**3.1**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	85	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

HPLC

Lot-Sample #...: D7J050164-004 **Work Order #...:** J8CC01AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 06:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7J050164-005 **Work Order #...:** J8CC31AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 15:51
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.80	ug/L	0.18
2,4-Dinitrotoluene	ND	0.80	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.64 J**	**0.80**	**ug/L**	**0.18**
Nitrobenzene	ND	0.80	ug/L	0.18
2-Nitrotoluene	ND	0.80	ug/L	0.17
3-Nitrotoluene	ND	0.80	ug/L	0.17
4-Nitrotoluene	ND	2.0	ug/L	0.40
RDX	**34**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	2.0	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.80	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	81	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...: D7J050164-006 **Work Order #...:** J8CC61AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 08:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7J050164-007 **Work Order #...:** J8CC81AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 09:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

HPLC

Lot-Sample #...: D7J050164-008 **Work Order #...:** J8CC91AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 09:36
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

HPLC

Lot-Sample #...: D7J050164-009 **Work Order #...:** J8CDA1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 10:12
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	98	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

HPLC

Lot-Sample #...: D7J050164-010 **Work Order #...:** J8CDD1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 11:24
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...: D7J050164-011 **Work Order #...:** J8CDP1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 12:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

HPLC

Lot-Sample #...: D7J050164-012 **Work Order #...:** J8CDQ1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 12:36
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...: D7J050164-013 **Work Order #...:** J8CDT1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 13:12
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

HPLC

Lot-Sample #...: D7J050164-014 **Work Order #...:** J8CDW1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 13:48
Dilution Factor: 1
Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	96	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

HPLC

Lot-Sample #...: D7J050164-015 **Work Order #...:** J8CDX1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 14:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

HPLC

Lot-Sample #...: D7J130200-001 **Work Order #...:** J8X5T1AA **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 19:15
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

HPLC

Lot-Sample #...: D7J130200-002 **Work Order #...:** J8X5V1AM **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 20:27
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

HPLC

Lot-Sample #...: D7J130200-003 **Work Order #...:** J8X5W1AM **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 21:03
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

TOTAL Metals

Lot-Sample #...: D7J040166-001 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AX
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.16	
Arsenic	**0.47 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AV**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.21	
Barium	**30**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AW**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1A0
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.040	
Cobalt	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AM**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1A1
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AN
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AP
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.31	
Molybdenum	**4.8**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1A2**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AQ**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1A3
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AR
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.070	
Selenium	**4.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1A4**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

TOTAL Metals

Lot-Sample #...: D7J040166-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AT
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.020	
Zinc	**3.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AU**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78NV1AD
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78NV1AF
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 0.47	
Calcium	**90000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AG**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78NV1AE
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AH**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 240	
Magnesium	**15000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AJ**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AK**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 92	
Vanadium	**3.4 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AL**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78NV1A5
		Dilution Factor: 1		Analysis Time..: 17:24	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

TOTAL Metals

Lot-Sample #...: D7J040166-002 **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A9
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A7
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A8**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N71AA
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.040	
Cobalt	**2.1 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A0**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AC**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A1
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.56	
Manganese	**1.9**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A2**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AD**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A3**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.30	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AE**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A4
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.070	
Selenium	**4.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AF**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

TOTAL Metals

Lot-Sample #...: D7J040166-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A5
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.020	
Zinc	**4.1 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A6**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**20 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AP**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78N71AR
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 0.47	
Calcium	**120000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AT**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 34	
Iron	**69 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AQ**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 22	
Potassium	**780 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AU**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 240	
Magnesium	**27000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AV**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 43	
Sodium	**66000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AW**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78N71AX
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.049 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78N71AG**
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

TOTAL Metals

Lot-Sample #...: D7J040166-003 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A9
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A7
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A8**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N91AA
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A0**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N91AC
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A1
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.56	
Manganese	**0.97 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A2**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.31	
Molybdenum	**11**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91AD**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A3**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N91AE
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A4
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.070	
Selenium	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91AF**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

TOTAL Metals

Lot-Sample #...: D7J040166-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A5
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.020	
Zinc	**8.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A6**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**19 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AP**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78N91AR
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AT**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 34	
Iron	**39 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AQ**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 22	
Potassium	**920 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AU**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AV**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 43	
Sodium	**66000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AW**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78N91AX
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78N91AG
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

TOTAL Metals

Lot-Sample #...: D7J040166-004 **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A9
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A7
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.21	
Barium	**25**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A8**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1AA
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A0**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.010	
Chromium	**0.55 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1AC**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A1
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A2
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.31	
Molybdenum	**10**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1AD**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A3**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1AE
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A4
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.070	
Selenium	**3.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1AF**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

TOTAL Metals

Lot-Sample #...: D7J040166-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A5
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.020	
Zinc	**5.1 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A6**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AP
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AR
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 0.47	
Calcium	**96000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AT**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AQ
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AU**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 240	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AV**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 43	
Sodium	**69000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AW**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AX
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PA1AG
		Dilution Factor: 1		Analysis Time..: 17:33	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

TOTAL Metals

Lot-Sample #...: D7J040166-005 **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A9
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A7
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.21	
Barium	**33**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A8**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1AA
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A0**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1AC
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A1
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.56	
Manganese	**0.68 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A2**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1AD**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A3**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1AE
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A4
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.070	
Selenium	**4.3 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1AF**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

TOTAL Metals

Lot-Sample #...: D7J040166-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A5
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A6**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AP
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AR
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AT**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AQ
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 22	
Potassium	**790 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AU**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 240	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AV**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 43	
Sodium	**69000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AW**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AX
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.028 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PC1AG**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

TOTAL Metals

Lot-Sample #...: D7J040166-006 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PD1A9
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.16	
Arsenic	**0.60 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A7**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.21	
Barium	**43**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A8**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PD1AA
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.040	
Cobalt	**0.24 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A0**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.010	
Chromium	**3.9**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AC**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.50	
Copper	**3.9**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A1**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.56	
Manganese	**4.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A2**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.31	
Molybdenum	**6.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AD**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.14	
Nickel	**13**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A3**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.30	
Lead	**0.33 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AE**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.18	
Antimony	**0.14 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A4**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AF**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

TOTAL Metals

Lot-Sample #...: D7J040166-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PD1A5
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.020	
Zinc	**33 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A6**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**46 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AP**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PD1AR
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 0.47	
Calcium	**81000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AT**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 34	
Iron	**180**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AQ**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 22	
Potassium	**2300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AU**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AV**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 43	
Sodium	**54000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AW**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 92	
Vanadium	**4.1 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AX**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PD1AG
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

TOTAL Metals

Lot-Sample #...: D7J040166-007 **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1A9
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.16	
Arsenic	**0.22 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A7**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.21	
Barium	**59**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A8**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1AA
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.040	
Cobalt	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A0**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1AC
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1A1
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.56	
Manganese	**270**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A2**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.31	
Molybdenum	**6.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1AD**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A3**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.30	
Lead	**1.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1AE**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.18	
Antimony	**0.10 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A4**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.070	
Selenium	**2.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1AF**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

TOTAL Metals

Lot-Sample #...: D7J040166-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1A5
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A6**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PF1AP
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PF1AR
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AT**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 34	
Iron	**69 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AQ**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 22	
Potassium	**2700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AU**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 240	
Magnesium	**24000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AV**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 43	
Sodium	**69000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AW**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PF1AX
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.041 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PF1AG**
		Dilution Factor: 1		Analysis Time..: 17:41	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

TOTAL Metals

Lot-Sample #...: D7J040166-008 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1A9
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1A7
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.21	
Barium	**24**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A8**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1AA
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.040	
Cobalt	**0.17 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A0**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1AC
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1A1
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.56	
Manganese	**1.0**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A2**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.31	
Molybdenum	**11**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1AD**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A3**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1AE
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.18	
Antimony	**0.16 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A4**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.070	
Selenium	**3.4 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1AF**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

TOTAL Metals

Lot-Sample #...: D7J040166-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.047 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A5**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.020	
Zinc	**4.8 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A6**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**22 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AP**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PG1AR
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AT**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PG1AQ
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 22	
Potassium	**1300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AU**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AV**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 43	
Sodium	**68000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AW**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PG1AX
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.078 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PG1AG**
		Dilution Factor: 1		Analysis Time..: 17:43	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

TOTAL Metals

Lot-Sample #...: D7J040166-009 **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A9
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A7
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A8**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.29	
Cadmium	**0.075 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AA**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.040	
Cobalt	**1.7 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A0**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.010	
Chromium	**0.56 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AC**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A1
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.56	
Manganese	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A2**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AD**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A3**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1AE
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.18	
Antimony	**0.083 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A4**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.070	
Selenium	**5.1 J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AF**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

TOTAL Metals

Lot-Sample #...: D7J040166-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A5
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.020	
Zinc	**3.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A6**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**38 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AP**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PH1AR
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 0.47	
Calcium	**96000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AT**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 34	
Iron	**31 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AQ**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AU**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AV**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 43	
Sodium	**60000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AW**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PH1AX
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PH1AG
		Dilution Factor: 1		Analysis Time..: 17:44	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

TOTAL Metals

Lot-Sample #...: D7J040166-010 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A9
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.16	
Arsenic	**0.47 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A7**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.21	
Barium	**46**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A8**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1AA
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.040	
Cobalt	**0.23 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A0**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.010	
Chromium	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AC**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A1
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.56	
Manganese	**19**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A2**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.31	
Molybdenum	**21**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AD**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.14	
Nickel	**1.8 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A3**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.30	
Lead	**0.53 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AE**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A4
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AF**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

TOTAL Metals

Lot-Sample #...: D7J040166-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A5
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.020	
Zinc	**4.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A6**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**21 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AP**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PK1AR
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 0.47	
Calcium	**90000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AT**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 34	
Iron	**51 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AQ**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 22	
Potassium	**2500 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AU**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AV**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AW**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 92	
Vanadium	**3.6 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AX**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PK1AG
		Dilution Factor: 1		Analysis Time..: 17:46	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

TOTAL Metals

Lot-Sample #...: D7J040166-011 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A9
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A7
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.21	
Barium	**4.9**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A8**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1AA
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A0**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.010	
Chromium	**0.83 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AC**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A1
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.56	
Manganese	**58**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A2**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.31	
Molybdenum	**0.41 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AD**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A3**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.30	
Lead	**0.31 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AE**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.18	
Antimony	**0.074 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A4**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.070	
Selenium	**2.0 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AF**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

TOTAL Metals

Lot-Sample #...: D7J040166-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A5
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.020	
Zinc	**5.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A6**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**34 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AP**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PM1AR
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 0.47	
Calcium	**85000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AT**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 34	
Iron	**78 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AQ**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 22	
Potassium	**2300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AU**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AV**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 43	
Sodium	**62000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AW**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PM1AX
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.056 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PM1AG**
		Dilution Factor: 1		Analysis Time..: 17:48	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

TOTAL Metals

Lot-Sample #...: D7J040166-012 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A9
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A7
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.21	
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A8
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1AA
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.040	
Cobalt	**0.027 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A0**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.010	
Chromium	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1AC**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A1
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.56	
Manganese	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A2**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.31	
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1AD
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.14	
Nickel	**0.46 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A3**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1AE
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A4
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.070	
Selenium	**1.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1AF**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

TOTAL Metals

Lot-Sample #...: D7J040166-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A5
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.020	
Zinc	**3.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A6**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AP
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AR
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 0.47	
Calcium	**220**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PP1AT**
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AQ
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 22	
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AU
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 240	
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AV
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 43	
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AW
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AX
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PP1AG
		Dilution Factor: 1		Analysis Time..: 17:49	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

TOTAL Metals

Lot-Sample #...: D7J040166-013 **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A9
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A7
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.21	
Barium	**26**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A8**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AA
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.040	
Cobalt	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A0**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AC
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A1
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.56	
Manganese	**26**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A2**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.31	
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AD
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A3**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AE
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A4
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.070	
Selenium	**2.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1AF**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

TOTAL Metals

Lot-Sample #...: D7J040166-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A5
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.020	
Zinc	**3.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A6**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AP
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AR
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 0.47	
Calcium	**85000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AT**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AQ
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 22	
Potassium	**2400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AU**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AV**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 43	
Sodium	**75000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AW**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AX
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PR1AG
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

TOTAL Metals

Lot-Sample #...: D7J040166-014 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A9
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.16	
Arsenic	**0.28 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A7**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A8**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1AA
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.040	
Cobalt	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A0**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.010	
Chromium	**0.55 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1AC**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A1
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A2
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.31	
Molybdenum	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1AD**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A3**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1AE
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A4
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1AF**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

TOTAL Metals

Lot-Sample #...: D7J040166-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A5
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.020	
Zinc	**3.1 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A6**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**44 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AP**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PT1AR
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AT**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 34	
Iron	**180**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AQ**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 22	
Potassium	**1800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AU**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AV**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 43	
Sodium	**59000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AW**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 92	
Vanadium	**3.3 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AX**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PT1AG
		Dilution Factor: 1		Analysis Time..: 17:53	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

TOTAL Metals

Lot-Sample #...: D7J040166-015 **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A9
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A7
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.21	
Barium	**38**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A8**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1AA
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.040	
Cobalt	**1.8 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A0**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.010	
Chromium	**0.55 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1AC**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A1
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A2
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.31	
Molybdenum	**9.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1AD**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A3**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1AE
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A4
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1AF**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

TOTAL Metals

Lot-Sample #...: D7J040166-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A5
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.020	
Zinc	**6.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A6**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AP
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AR
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AT**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AQ
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AU**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AV**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 43	
Sodium	**65000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AW**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AX
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PV1AG
		Dilution Factor: 1		Analysis Time..: 17:55	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

TOTAL Metals

Lot-Sample #...: D7J040166-016 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A9
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A7
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A8**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1AA
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.040	
Cobalt	**2.5 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A0**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1AC
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A1
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.56	
Manganese	**0.90 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A2**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.31	
Molybdenum	**7.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1AD**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A3**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1AE**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.18	
Antimony	**0.087 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A4**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1AF**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

TOTAL Metals

Lot-Sample #...: D7J040166-016 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A5
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.020	
Zinc	**4.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A6**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AP
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AR
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AT**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AQ
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AU**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AV**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 43	
Sodium	**65000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AW**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AX
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.034 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PX1AG**
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

TOTAL Metals

Lot-Sample #...: D7J040166-017 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A9
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A7
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A8**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P21AA
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.040	
Cobalt	**2.4 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A0**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.010	
Chromium	**0.56 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AC**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A1
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.56	
Manganese	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A2**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.31	
Molybdenum	**7.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AD**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A3**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AE**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.18	
Antimony	**0.075 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A4**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AF**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

TOTAL Metals

Lot-Sample #...: D7J040166-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A5
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.020	
Zinc	**4.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A6**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**45 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AP**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P21AR
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AT**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P21AQ
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AU**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AV**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 43	
Sodium	**65000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AW**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P21AX
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.063 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P21AG**
		Dilution Factor: 1		Analysis Time..: 18:01	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

TOTAL Metals

Lot-Sample #...: D7J040166-018 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A9
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A7
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.21	
Barium	**28**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A8**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P31AA
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.040	
Cobalt	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A0**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P31AC
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A1
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.56	
Manganese	**0.98 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A2**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.31	
Molybdenum	**9.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31AD**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A3**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P31AE
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A4
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.070	
Selenium	**3.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31AF**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

TOTAL Metals

Lot-Sample #...: D7J040166-018 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A5
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.020	
Zinc	**8.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A6**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**23 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AP**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P31AR
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AT**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 34	
Iron	**57 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AQ**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 22	
Potassium	**830 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AU**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AV**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 43	
Sodium	**66000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AW**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P31AX
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.038 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P31AG**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

TOTAL Metals

Lot-Sample #...: D7J040166-019 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A9
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A7
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.21	
Barium	**56**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A8**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.29	
Cadmium	**0.067 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AA**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.040	
Cobalt	**0.18 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A0**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P41AC
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A1
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.56	
Manganese	**13**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A2**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AD**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A3**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.30	
Lead	**1.1**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AE**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A4
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.070	
Selenium	**2.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AF**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

TOTAL Metals

Lot-Sample #...: D7J040166-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.060 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A5**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.020	
Zinc	**5.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A6**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**28 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AP**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P41AR
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 0.47	
Calcium	**82000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AT**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P41AQ
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 22	
Potassium	**2800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AU**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 240	
Magnesium	**19000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AV**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 43	
Sodium	**51000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AW**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P41AX
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.035 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P41AG**
		Dilution Factor: 1		Analysis Time..: 18:04	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

TOTAL Metals

Lot-Sample #...: D7J040166-020 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A9
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A7
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A8**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P51AA
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.040	
Cobalt	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A0**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P51AC
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A1
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A2
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.31	
Molybdenum	**17**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51AD**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A3**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51AE**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A4
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.070	
Selenium	**3.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51AF**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

TOTAL Metals

Lot-Sample #...: D7J040166-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A5
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.020	
Zinc	**4.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A6**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**27 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AP**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P51AR
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 0.47	
Calcium	**94000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AT**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P51AQ
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 22	
Potassium	**1400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AU**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AV**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AW**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P51AX
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.045 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P51AG**
		Dilution Factor: 1		Analysis Time..: 18:06	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

TOTAL Metals

Lot-Sample #...: D7J040166-021 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A9
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.16	
Arsenic	**0.21 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A7**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.21	
Barium	**36**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A8**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P71AA
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.040	
Cobalt	**2.1 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A0**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P71AC
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A1
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.56	
Manganese	**0.59 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A2**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.31	
Molybdenum	**6.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71AD**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A3**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P71AE
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A4
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71AF**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

TOTAL Metals

Lot-Sample #...: D7J040166-021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A5
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.020	
Zinc	**3.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A6**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**63 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AP**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P71AR
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AT**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P71AQ
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 22	
Potassium	**1300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AU**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AV**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 43	
Sodium	**68000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AW**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P71AX
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.045 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P71AG**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

TOTAL Metals

Lot-Sample #...: D7J040166-022 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P81A9
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.16	
Arsenic	**0.22 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A7**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A8**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P81AA
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.040	
Cobalt	**2.4 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A0**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P81AC
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P81A1
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.56	
Manganese	**0.75 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A2**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.31	
Molybdenum	**13**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81AD**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A3**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P81AE
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.18	
Antimony	**0.39 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A4**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81AF**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

TOTAL Metals

Lot-Sample #...: D7J040166-022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P81A5
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.020	
Zinc	**150 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A6**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**52 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AP**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P81AR
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AT**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 34	
Iron	**290**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AQ**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 22	
Potassium	**950 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AU**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AV**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 43	
Sodium	**64000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AW**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P81AX
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.032 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P81AG**
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

TOTAL Metals

Lot-Sample #...: D7J040166-023 **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1A9
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.16	
Arsenic	**0.84 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A7**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.21	
Barium	**28**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A8**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1AA
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.040	
Cobalt	**2.8 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A0**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1AC
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1A1
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.56	
Manganese	**2.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A2**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.31	
Molybdenum	**9.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1AD**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A3**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1AE
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.18	
Antimony	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A4**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.070	
Selenium	**3.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1AF**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

TOTAL Metals

Lot-Sample #...: D7J040166-023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1A5
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.020	
Zinc	**140 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A6**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QA1AP
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QA1AR
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AT**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 34	
Iron	**31 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AQ**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 22	
Potassium	**850 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AU**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AV**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 43	
Sodium	**71000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AW**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QA1AX
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QA1AG
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

TOTAL Metals

Lot-Sample #...: D7J040166-024 **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A9
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A7
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A8**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.29	
Cadmium	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AA**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.040	
Cobalt	**2.2 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A0**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1AC
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.50	
Copper	**2.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A1**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.56	
Manganese	**500**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A2**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AD**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.14	
Nickel	**2.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A3**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.30	
Lead	**2.9**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AE**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A4
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.070	
Selenium	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AF**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

TOTAL Metals

Lot-Sample #...: D7J040166-024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A5
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.020	
Zinc	**250 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A6**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**34 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AP**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QC1AR
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 0.47	
Calcium	**120000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AT**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 34	
Iron	**300**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AQ**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AU**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AV**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 43	
Sodium	**86000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AW**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QC1AX
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.038 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78QC1AG**
		Dilution Factor: 1		Analysis Time..: 18:24	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

TOTAL Metals

Lot-Sample #...: D7J040166-025 **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A9
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A7
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.21	
Barium	**11**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A8**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1AA
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A0**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1AC**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.50	
Copper	**0.74 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A1**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.56	
Manganese	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A2**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.31	
Molybdenum	**21**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1AD**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A3**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1AE
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A4
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.070	
Selenium	**2.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1AF**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

TOTAL Metals

Lot-Sample #...: D7J040166-025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A5
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.020	
Zinc	**4.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A6**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QE1AP
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QE1AR
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AT**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QE1AQ
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 22	
Potassium	**2600 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AU**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 240	
Magnesium	**17000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AV**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AW**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 92	
Vanadium	**2.7 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AX**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QE1AG
		Dilution Factor: 1		Analysis Time..: 18:26	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

TOTAL Metals

Lot-Sample #...: D7J040166-026 **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QG1A9
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.16	
Arsenic	**0.91 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A7**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.21	
Barium	**7.8**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A8**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QG1AA
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.040	
Cobalt	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A0**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QG1AC
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.50	
Copper	**0.59 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A1**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.56	
Manganese	**20**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A2**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.31	
Molybdenum	**24**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1AD**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A3**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1AE**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.18	
Antimony	**0.37 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A4**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.070	
Selenium	**13 J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1AF**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

TOTAL Metals

Lot-Sample #...: D7J040166-026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.039 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A5**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.020	
Zinc	**4.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A6**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**26 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AP**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QG1AR
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 0.47	
Calcium	**88000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AT**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QG1AQ
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AU**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AV**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AW**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QG1AX
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.10 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78QG1AG**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

TOTAL Metals

Lot-Sample #...: D7J040166-027 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A9
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A7
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.21	
Barium	**33**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A8**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1AA
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.040	
Cobalt	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A0**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.010	
Chromium	**0.65 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1AC**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A1
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A2
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1AD**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A3**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1AE
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A4
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.070	
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1AF**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

TOTAL Metals

Lot-Sample #...: D7J040166-027 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A5
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.020	
Zinc	**2.9 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A6**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AP
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AR
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 0.47	
Calcium	**86000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AT**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AQ
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 22	
Potassium	**1000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AU**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 240	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AV**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 43	
Sodium	**58000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AW**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AX
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QH1AG
		Dilution Factor: 1		Analysis Time..: 18:29	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

TOTAL Metals

Lot-Sample #...: D7J040166-028 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A9
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.16	
Arsenic	**0.32 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A7**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.21	
Barium	**32**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A8**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1AA
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.040	
Cobalt	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A0**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.010	
Chromium	**0.71 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AC**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A1
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.56	
Manganese	**16**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A2**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.31	
Molybdenum	**6.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AD**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A3**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.30	
Lead	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AE**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A4
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AF**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

TOTAL Metals

Lot-Sample #...: D7J040166-028 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A5
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.020	
Zinc	**6.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A6**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**32 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AP**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QJ1AR
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 0.47	
Calcium	**94000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AT**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 34	
Iron	**48 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AQ**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 22	
Potassium	**1900 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AU**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 240	
Magnesium	**15000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AV**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 43	
Sodium	**54000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AW**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 92	
Vanadium	**3.1 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AX**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QJ1AG
		Dilution Factor: 1		Analysis Time..: 18:31	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

TOTAL Metals

Lot-Sample #...: D7J040166-029 **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A9
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A7
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A8**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1AA
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.040	
Cobalt	**0.74 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A0**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1AC
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A1
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.56	
Manganese	**0.37 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A2**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.31	
Molybdenum	**7.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1AD**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A3**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1AE
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A4
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.070	
Selenium	**3.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1AF**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

TOTAL Metals

Lot-Sample #...: D7J040166-029 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A5
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.020	
Zinc	**5.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A6**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AP
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AR
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AT**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AQ
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 22	
Potassium	**1400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AU**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AV**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 43	
Sodium	**63000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AW**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AX
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QK1AG
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

TOTAL Metals

Lot-Sample #...: D7J040166-030 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A9
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A7
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.21	
Barium	**36**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A8**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1AA
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.040	
Cobalt	**0.32 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A0**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1AC
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A1
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.56	
Manganese	**0.81 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A2**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.31	
Molybdenum	**14**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1AD**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A3**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1AE
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A4
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.070	
Selenium	**2.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1AF**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

TOTAL Metals

Lot-Sample #...: D7J040166-030 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A5
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.020	
Zinc	**3.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A6**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QL1AP
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QL1AR
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.47	
Calcium	**93000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AT**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 34	
Iron	**24 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AQ**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 22	
Potassium	**1100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AU**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AV**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 43	
Sodium	**59000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AW**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QL1AX
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QL1AG
		Dilution Factor: 1		Analysis Time..: 18:34	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

TOTAL Metals

Lot-Sample #...: D7J040166-031 **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1A9
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1A7
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A8**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1AA
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A0**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.010	
Chromium	**0.94 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AC**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1A1
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.56	
Manganese	**2.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A2**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.31	
Molybdenum	**6.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AD**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A3**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.30	
Lead	**0.39 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AE**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.18	
Antimony	**0.092 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A4**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.070	
Selenium	**1.3 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AF**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

TOTAL Metals

Lot-Sample #...: D7J040166-031 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A5**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.020	
Zinc	**6.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A6**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**48 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AP**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QM1AR
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 0.47	
Calcium	**93000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AT**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 34	
Iron	**50 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AQ**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 22	
Potassium	**3900**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AU**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 240	
Magnesium	**19000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AV**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AW**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QM1AX
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QM1AG
		Dilution Factor: 1		Analysis Time..: 18:39	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

TOTAL Metals

Lot-Sample #...: D7J040166-032 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A9
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A7
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.21	
Barium	**25**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A8**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1AA
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.040	
Cobalt	**0.17 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A0**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AC**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A1
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.56	
Manganese	**0.91 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A2**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.31	
Molybdenum	**5.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AD**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A3**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.30	
Lead	**0.45 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AE**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A4
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AF**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

TOTAL Metals

Lot-Sample #...: D7J040166-032 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A5
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.020	
Zinc	**3.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A6**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**28 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AP**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QP1AR
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AT**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 34	
Iron	**38 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AQ**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 22	
Potassium	**1400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AU**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 240	
Magnesium	**27000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AV**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 43	
Sodium	**70000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AW**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QP1AX
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QP1AG
		Dilution Factor: 1		Analysis Time..: 18:41	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

TOTAL Metals

Lot-Sample #...: D7J040166-033 **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A9
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A7
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.21	
Barium	**39**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A8**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1AA
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.040	
Cobalt	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A0**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.010	
Chromium	**0.56 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1AC**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A1
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.56	
Manganese	**14**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A2**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.31	
Molybdenum	**24**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1AD**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A3**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.30	
Lead	**0.47 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1AE**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A4
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1AF
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

TOTAL Metals

Lot-Sample #...: D7J040166-033 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.024 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A5**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.020	
Zinc	**5.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A6**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**47 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AP**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QQ1AR
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 0.47	
Calcium	**86000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AT**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QQ1AQ
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 22	
Potassium	**2100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AU**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 240	
Magnesium	**22000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AV**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 43	
Sodium	**45000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AW**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QQ1AX
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QQ1AG
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

TOTAL Metals

Lot-Sample #...: D7J040166-034 **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A9
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A7
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.21	
Barium	**4.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A8**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1AA
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.040	
Cobalt	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A0**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1AC
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.50	
Copper	**0.71 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A1**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.56	
Manganese	**45**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A2**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.31	
Molybdenum	**17**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1AD**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A3**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.30	
Lead	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1AE**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A4
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.070	
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1AF**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

TOTAL Metals

Lot-Sample #...: D7J040166-034 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A5
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.020	
Zinc	**3.8 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A6**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**85 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AP**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QR1AR
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 0.47	
Calcium	**81000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AT**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QR1AQ
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 22	
Potassium	**2600 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AU**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AV**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 43	
Sodium	**42000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AW**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QR1AX
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QR1AG
		Dilution Factor: 1		Analysis Time..: 18:44	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

TOTAL Metals

Lot-Sample #...: D7J040166-035 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1A9
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.16	
Arsenic	**0.23 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A7**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.21	
Barium	**25**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A8**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1AA
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.040	
Cobalt	**0.36 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A0**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.010	
Chromium	**0.94 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1AC**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.50	
Copper	**0.73 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A1**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.56	
Manganese	**300**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A2**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.31	
Molybdenum	**16**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1AD**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A3**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.30	
Lead	**0.91 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1AE**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1A4
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1AF
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

TOTAL Metals

Lot-Sample #...: D7J040166-035 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1A5
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.020	
Zinc	**9.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A6**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**170**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AP**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QT1AR
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 0.47	
Calcium	**85000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AT**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 34	
Iron	**300**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AQ**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 22	
Potassium	**4500**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AU**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AV**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 43	
Sodium	**47000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AW**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QT1AX
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QT1AG
		Dilution Factor: 1		Analysis Time..: 18:46	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

TOTAL Metals

Lot-Sample #...: D7J040166-036 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A9
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A7
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.21	
Barium	**54**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A8**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1AA
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A0**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.010	
Chromium	**0.62 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1AC**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A1
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.56	
Manganese	**160**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A2**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.31	
Molybdenum	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1AD**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.14	
Nickel	**1.7 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A3**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1AE
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A4
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1AF
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

TOTAL Metals

Lot-Sample #...: D7J040166-036 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A5
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.020	
Zinc	**3.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A6**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**44 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AP**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QV1AR
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AT**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 34	
Iron	**130**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AQ**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 22	
Potassium	**2800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AU**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 240	
Magnesium	**11000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AV**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 43	
Sodium	**61000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AW**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QV1AX
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QV1AG
		Dilution Factor: 1		Analysis Time..: 18:48	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

TOTAL Metals

Lot-Sample #...: D7J040166-037 **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A9
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A7
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.21	
Barium	**42**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A8**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1AA
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.040	
Cobalt	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A0**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1AC
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A1
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.56	
Manganese	**0.76 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A2**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.31	
Molybdenum	**18**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1AD**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A3**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1AE
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A4
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.070	
Selenium	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1AF**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

TOTAL Metals

Lot-Sample #...: D7J040166-037 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A5**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.020	
Zinc	**6.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A6**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**33 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AP**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QW1AR
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 0.47	
Calcium	**99000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AT**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QW1AQ
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 22	
Potassium	**2400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AU**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 240	
Magnesium	**22000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AV**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 43	
Sodium	**60000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AW**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QW1AX
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QW1AG
		Dilution Factor: 1		Analysis Time..: 18:49	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

TOTAL Metals

Lot-Sample #...: D7J040166-038 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A9
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.16	
Arsenic	**0.61 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A7**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.21	
Barium	**38**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A8**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1AA
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.040	
Cobalt	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A0**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1AC
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A1
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.56	
Manganese	**0.35 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A2**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.31	
Molybdenum	**18**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1AD**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A3**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1AE
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A4
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.070	
Selenium	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1AF**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

TOTAL Metals

Lot-Sample #...: D7J040166-038 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A5
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A6**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QX1AP
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QX1AR
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 0.47	
Calcium	**83000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AT**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QX1AQ
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AU**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 240	
Magnesium	**13000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AV**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 43	
Sodium	**53000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AW**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 92	
Vanadium	**3.5 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AX**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QX1AG
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

TOTAL Metals

Lot-Sample #...: D7J040166-039 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01A9
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.16	
Arsenic	**0.35 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A7**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.21	
Barium	**47**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A8**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01AA
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.040	
Cobalt	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A0**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.010	
Chromium	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AC**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.50	
Copper	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A1**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.56	
Manganese	**4.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A2**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.31	
Molybdenum	**10**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AD**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A3**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.30	
Lead	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AE**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01A4
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.070	
Selenium	**0.96 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AF**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

TOTAL Metals

Lot-Sample #...: D7J040166-039 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01A5
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.020	
Zinc	**3.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A6**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**20 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AP**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78Q01AR
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 0.47	
Calcium	**70000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AT**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78Q01AQ
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 22	
Potassium	**1500 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AU**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AV**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 43	
Sodium	**42000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AW**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 92	
Vanadium	**2.6 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AX**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78Q01AG
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

TOTAL Metals

Lot-Sample #...: D7J050164-001 **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AX
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.16	
Arsenic	**0.35 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AV**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AW**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1A0
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.040	
Cobalt	**0.12 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AM**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1A1
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AN
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.56	
Manganese	**0.56 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AP**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.31	
Molybdenum	**16**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1A2**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AQ**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1A3
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AR
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.070	
Selenium	**2.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1A4**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

TOTAL Metals

Lot-Sample #...: D7J050164-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AT
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.020	
Zinc	**3.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AU**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**18 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AD**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CCM1AF
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 0.47	
Calcium	**89000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AG**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCM1AE
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AH**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AJ**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AK**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 92	
Vanadium	**3.0 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AL**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CCM1A5
		Dilution Factor: 1		Analysis Time..: 19:03	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

TOTAL Metals

Lot-Sample #...: D7J050164-002 **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A9
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A7
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A8**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1AA
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A0**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1AC
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A1
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.56	
Manganese	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A2**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.31	
Molybdenum	**19**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1AD**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A3**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.30	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1AE**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A4
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1AF**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

TOTAL Metals

Lot-Sample #...: D7J050164-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.020 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A5**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.020	
Zinc	**6.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A6**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AP
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AR
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 0.47	
Calcium	**98000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AT**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AQ
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AU**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 240	
Magnesium	**22000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AV**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 43	
Sodium	**58000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AW**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AX
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CCV1AG
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

TOTAL Metals

Lot-Sample #...: D7J050164-003 **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A9
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A7
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.21	
Barium	**36**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A8**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1AA
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.040	
Cobalt	**0.71 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A0**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1AC
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A1
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.56	
Manganese	**2.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A2**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.31	
Molybdenum	**7.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1AD**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A3**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.30	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1AE**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A4
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1AF**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

TOTAL Metals

Lot-Sample #...: D7J050164-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A5
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.020	
Zinc	**3.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A6**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**32 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AP**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CCX1AR
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AT**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCX1AQ
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AU**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 240	
Magnesium	**24000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AV**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 43	
Sodium	**61000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AW**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CCX1AX
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CCX1AG
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

TOTAL Metals

Lot-Sample #...: D7J050164-004 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01A9
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.16	
Arsenic	**0.34 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A7**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.21	
Barium	**52**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A8**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01AA
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.040	
Cobalt	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A0**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.010	
Chromium	**0.62 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01AC**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.50	
Copper	**0.94 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A1**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.56	
Manganese	**570**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A2**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.31	
Molybdenum	**9.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01AD**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A3**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.30	
Lead	**0.94 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01AE**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01A4
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01AF
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

TOTAL Metals

Lot-Sample #...: D7J050164-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01A5
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.020	
Zinc	**18 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A6**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**33 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AP**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC01AR
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AT**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 34	
Iron	**7000 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AQ**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AU**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 240	
Magnesium	**18000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AV**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 43	
Sodium	**60000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AW**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CC01AX
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC01AG
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

TOTAL Metals

Lot-Sample #...: D7J050164-005 **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	**0.72 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A9**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.16	
Arsenic	**0.25 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A7**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.21	
Barium	**55**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A8**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.29	
Cadmium	**0.086 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AA**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.040	
Cobalt	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A0**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.010	
Chromium	**3.4**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AC**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.50	
Copper	**2.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A1**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.56	
Manganese	**97**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A2**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.31	
Molybdenum	**14**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AD**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.14	
Nickel	**3.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A3**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.30	
Lead	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AE**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.18	
Antimony	**0.094 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A4**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.070	
Selenium	**2.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AF**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

TOTAL Metals

Lot-Sample #...: D7J050164-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.030 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A5**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.020	
Zinc	**16 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A6**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**1600**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AP**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC31AR
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AT**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 34	
Iron	**2900 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AQ**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 22	
Potassium	**1900 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AU**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AV**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AW**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 92	
Vanadium	**4.1 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AX**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC31AG
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

TOTAL Metals

Lot-Sample #...: D7J050164-006 **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61A9
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.16	
Arsenic	**0.36 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A7**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A8**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61AA
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.040	
Cobalt	**0.091 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A0**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.010	
Chromium	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AC**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.50	
Copper	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A1**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.56	
Manganese	**0.94 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A2**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.31	
Molybdenum	**4.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AD**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A3**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.30	
Lead	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AE**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61A4
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.070	
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AF**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

TOTAL Metals

Lot-Sample #...: D7J050164-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61A5
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.020	
Zinc	**120 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A6**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CC61AP
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC61AR
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.47	
Calcium	**78000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AT**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 34	
Iron	**42 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AQ**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AU**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 240	
Magnesium	**48000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AV**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 43	
Sodium	**30000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AW**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 92	
Vanadium	**3.2 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AX**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC61AG
		Dilution Factor: 1		Analysis Time..: 19:14	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

TOTAL Metals

Lot-Sample #...: D7J050164-007 **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A9
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.16	
Arsenic	**0.21 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A7**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.21	
Barium	**30**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A8**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81AA
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.040	
Cobalt	**0.34 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A0**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.010	
Chromium	**2.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81AC**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A1
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.56	
Manganese	**150**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A2**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.31	
Molybdenum	**7.8**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81AD**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.14	
Nickel	**2.2**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A3**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81AE
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A4
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81AF
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

TOTAL Metals

Lot-Sample #...: D7J050164-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A5
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.020	
Zinc	**3.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A6**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**52 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AP**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC81AR
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AT**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 34	
Iron	**390 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AQ**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 22	
Potassium	**1300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AU**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AV**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 43	
Sodium	**74000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AW**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CC81AX
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC81AG
		Dilution Factor: 1		Analysis Time..: 19:19	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

TOTAL Metals

Lot-Sample #...: D7J050164-008 **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91A9
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.16	
Arsenic	**0.25 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A7**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A8**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.29	
Cadmium	**0.040 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AA**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.040	
Cobalt	**0.50 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A0**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.010	
Chromium	**2.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AC**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.50	
Copper	**0.88 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A1**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.56	
Manganese	**580**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A2**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.31	
Molybdenum	**4.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AD**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.14	
Nickel	**3.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A3**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.30	
Lead	**0.93 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AE**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91A4
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91AF
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

TOTAL Metals

Lot-Sample #...: D7J050164-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91A5
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.020	
Zinc	**8.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A6**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**540**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AP**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC91AR
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.47	
Calcium	**210000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AT**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 34	
Iron	**2200 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AQ**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 22	
Potassium	**3400**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AU**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 240	
Magnesium	**37000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AV**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 43	
Sodium	**61000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AW**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CC91AX
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC91AG
		Dilution Factor: 1		Analysis Time..: 19:21	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-009 **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1A9
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1A7
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.21	
Barium	**46**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A8**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.29	
Cadmium	**0.75 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AA**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.040	
Cobalt	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A0**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AC**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.50	
Copper	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A1**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.56	
Manganese	**120**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A2**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.31	
Molybdenum	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AD**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A3**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.30	
Lead	**6.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AE**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.18	
Antimony	**0.32 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A4**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1AF
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1A5
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.020	
Zinc	**410 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A6**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**54 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AP**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDA1AR
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AT**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 34	
Iron	**1500 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AQ**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 22	
Potassium	**2100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AU**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 240	
Magnesium	**59000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AV**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 43	
Sodium	**24000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AW**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDA1AX
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDA1AG
		Dilution Factor: 1		Analysis Time..: 19:22	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-010 **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A9
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A7
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.21	
Barium	**39**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A8**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1AA
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A0**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1AC
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A1
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.56	
Manganese	**15**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A2**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1AD**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A3**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1AE
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A4
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.070	
Selenium	**0.81 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1AF**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A5
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.020	
Zinc	**13 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A6**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**19 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AP**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDD1AR
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 0.47	
Calcium	**99000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AT**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 34	
Iron	**110 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AQ**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 22	
Potassium	**620 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AU**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AV**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 43	
Sodium	**47000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AW**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDD1AX
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDD1AG
		Dilution Factor: 1		Analysis Time..: 19:24	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

TOTAL Metals

Lot-Sample #...: D7J050164-011 **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1A9
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1A7
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.21	
Barium	**30**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A8**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.29	
Cadmium	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AA**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.040	
Cobalt	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A0**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1AC
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1A1
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.56	
Manganese	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A2**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.31	
Molybdenum	**44**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AD**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A3**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.30	
Lead	**3.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AE**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.18	
Antimony	**0.73 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A4**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.070	
Selenium	**2.5 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AF**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

TOTAL Metals

Lot-Sample #...: D7J050164-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.050 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A5**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.020	
Zinc	**4.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A6**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AP
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AR
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AT**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AQ
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 22	
Potassium	**3000**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AU**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AV**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 43	
Sodium	**70000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AW**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AX
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDP1AG
		Dilution Factor: 1		Analysis Time..: 19:26	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

TOTAL Metals

Lot-Sample #...: D7J050164-012 **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1A9
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.16	
Arsenic	**0.22 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A7**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.21	
Barium	**29**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A8**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.29	
Cadmium	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1AA**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.040	
Cobalt	**0.27 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A0**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1AC
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1A1
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.56	
Manganese	**13**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A2**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.31	
Molybdenum	**11**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1AD**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A3**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1AE
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1A4
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.070	
Selenium	**2.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1AF**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

TOTAL Metals

Lot-Sample #...: D7J050164-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.71 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A5**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.020	
Zinc	**4.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A6**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AP
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AR
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 0.47	
Calcium	**120000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AT**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AQ
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AU**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 240	
Magnesium	**27000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AV**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 43	
Sodium	**72000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AW**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AX
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	**0.027 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J8CDQ1AG**
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

TOTAL Metals

Lot-Sample #...: D7J050164-013 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A9
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A7
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.21	
Barium	**27**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A8**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1AA
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.040	
Cobalt	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A0**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1AC
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A1
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A2
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.31	
Molybdenum	**13**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1AD**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A3**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1AE
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A4
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.070	
Selenium	**2.5 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1AF**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

TOTAL Metals

Lot-Sample #...: D7J050164-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A5
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.020	
Zinc	**2.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A6**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDT1AP
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDT1AR
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 0.47	
Calcium	**96000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AT**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 34	
Iron	**22 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AQ**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 22	
Potassium	**940 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AU**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AV**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 43	
Sodium	**67000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AW**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 92	
Vanadium	**2.5 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AX**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDT1AG
		Dilution Factor: 1		Analysis Time..: 19:29	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

TOTAL Metals

Lot-Sample #...: D7J050164-014 **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A9
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A7
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A8**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1AA
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.040	
Cobalt	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A0**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1AC
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A1
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.56	
Manganese	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A2**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1AD**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A3**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.30	
Lead	**0.31 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1AE**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A4
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.070	
Selenium	**2.6 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1AF**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

TOTAL Metals

Lot-Sample #...: D7J050164-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A5
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A6**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AP
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AR
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 0.47	
Calcium	**90000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AT**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AQ
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 22	
Potassium	**1000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AU**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AV**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 43	
Sodium	**62000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AW**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AX
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDW1AG
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

TOTAL Metals

Lot-Sample #...: D7J050164-015 **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A9
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A7
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.21	
Barium	**29**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A8**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1AA
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.040	
Cobalt	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A0**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1AC
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.50	
Copper	**0.91 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A1**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A2
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.31	
Molybdenum	**10**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1AD**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.14	
Nickel	**0.97 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A3**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.30	
Lead	**0.23 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1AE**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A4
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.070	
Selenium	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1AF**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

TOTAL Metals

Lot-Sample #...: D7J050164-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A5
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.020	
Zinc	**110 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A6**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDX1AP
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDX1AR
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 0.47	
Calcium	**89000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AT**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 34	
Iron	**42 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AQ**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 22	
Potassium	**730 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AU**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AV**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 43	
Sodium	**63000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AW**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDX1AX
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDX1AG
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

TOTAL Metals

Lot-Sample #...: D7J130200-001 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7290371						
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/09/07	J8X5T1AX
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.16	
Arsenic	**0.67 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AV**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AW**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.29	
Cadmium	**0.47 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A0**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.040	
Cobalt	**0.75 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AM**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.010	
Chromium	**6.4**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A1**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.50	
Copper	**2.4**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AN**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.56	
Manganese	**120**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AP**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.31	
Molybdenum	**3.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A2**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.14	
Nickel	**3.1**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AQ**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.30	
Lead	**0.82 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A3**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.18	
Antimony	**0.074 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AR**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A4**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR2

TOTAL Metals

Lot-Sample #...: D7J130200-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.025 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AT**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.020	
Zinc	**9.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AU**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 2.0	
Prep Batch #...: 7290444						
Aluminum	**450 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AD**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8X5T1AF
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.47	
Calcium	**94000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AG**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 34	
Iron	**3500 L**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AE**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 22	
Potassium	**1900 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AH**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 240	
Magnesium	**37000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AJ**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 43	
Sodium	**33000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AK**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 92	
Vanadium	**5.0 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AL**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 2.5	
Prep Batch #...: 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J8X5T1A5
		Dilution Factor: 1		Analysis Time..: 22:43	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

TOTAL Metals

Lot-Sample #...: D7J130200-002 **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7290371						
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/11/07	J8X5V1A9
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.16	
Arsenic	**0.33 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A7**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.21	
Barium	**14**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A8**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.29	
Cadmium	**0.065 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AA**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.040	
Cobalt	**0.17 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A0**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.010	
Chromium	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AC**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.50	
Copper	**2.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A1**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.56	
Manganese	**51**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A2**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.31	
Molybdenum	**2.1**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AD**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.14	
Nickel	**0.90 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A3**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.30	
Lead	**4.8 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AE**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-11/11/07	J8X5V1A4
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.070	
Selenium	**0.84 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AF**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR4

TOTAL Metals

Lot-Sample #...: D7J130200-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.023 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A5**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.020	
Zinc	**6.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A6**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 2.0	
Prep Batch #...: 7290444						
Aluminum	**29 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AP**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8X5V1AR
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.47	
Calcium	**9200**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AT**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 34	
Iron	**6600 L**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AQ**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 22	
Potassium	**2800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AU**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 240	
Magnesium	**6200**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AV**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 43	
Sodium	**58000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AW**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8X5V1AX
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 2.5	
Prep Batch #...: 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J8X5V1AG
		Dilution Factor: 1		Analysis Time..: 22:48	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

TOTAL Metals

Lot-Sample #...: D7J130200-003 **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7290371						
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/11/07	J8X5W1A9
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.16	
Arsenic	**1.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A7**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A8**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.29	
Cadmium	**0.30 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AA**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.040	
Cobalt	**0.55 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A0**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.010	
Chromium	**4.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AC**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.50	
Copper	**2.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A1**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.56	
Manganese	**210**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A2**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.31	
Molybdenum	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AD**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.14	
Nickel	**5.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A3**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.30	
Lead	**8.9 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AE**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-11/11/07	J8X5W1A4
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.070	
Selenium	**2.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AF**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR3

TOTAL Metals

Lot-Sample #...: D7J130200-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A5**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.020	
Zinc	**100 J**	**10**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A6**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 2.0	
Prep Batch #...: 7290444						
Aluminum	**30 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AP**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8X5W1AR
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 0.47	
Calcium	**86000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AT**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 34	
Iron	**13000 L**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AQ**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 22	
Potassium	**2100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AU**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 240	
Magnesium	**49000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AV**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 43	
Sodium	**37000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AW**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 92	
Vanadium	**5.2 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AX**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 2.5	
Prep Batch #...: 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J8X5W1AG
		Dilution Factor: 1		Analysis Time..: 22:50	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

General Chemistry

Lot-Sample #...: D7J040166-001 **Work Order #...:** J78NV **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.16 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.11	
Chloride	**24 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.060	
Nitrate-Nitrite	**6.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.19	
Sulfate	**130 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 09:10	MDL.....: 1.2	
Total Alkalinity	**160 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**500**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281482**
		Dilution Factor: 1		Analysis Time..: 18:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

General Chemistry

Lot-Sample #...: D7J040166-002 **Work Order #...:** J78N7 **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.26**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 16:29	MDL.....: 0.11	
Chloride	**43 J,Q**	**15**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278594**
		Dilution Factor: 5		Analysis Time..: 09:26	MDL.....: 1.3	
Fluoride	**3.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 16:29	MDL.....: 0.060	
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 16:29	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 09:26	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**640**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281482**
		Dilution Factor: 1		Analysis Time..: 18:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

General Chemistry

Lot-Sample #...: D7J040166-003 **Work Order #...:** J78N9 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.25	
Fluoride	**4.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.060	
Nitrate-Nitrite	**4.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 22:16	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**550**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

General Chemistry

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.25	
Fluoride	**3.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.060	
Nitrate-Nitrite	**4.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.19	
Sulfate	**180 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 22:33	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**580**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

General Chemistry

Lot-Sample #...: D7J040166-005 **Work Order #...:** J78PC **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.25	
Fluoride	**4.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.060	
Nitrate-Nitrite	**3.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 22:50	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**570**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

General Chemistry

Lot-Sample #...: D7J040166-006 **Work Order #...:** J78PD **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.11	
Chloride	**30**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.25	
Fluoride	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.060	
Nitrate-Nitrite	**6.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 23:07	MDL.....: 1.2	
Total Alkalinity	**160 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

General Chemistry

Lot-Sample #...: D7J040166-007 **Work Order #...:** J78PF **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.25	
Fluoride	**2.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 00:34	MDL.....: 1.2	
Total Alkalinity	**280 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**600 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

General Chemistry

Lot-Sample #...: D7J040166-008 **Work Order #...:** J78PG **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.11	
Chloride	**30**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.060	
Nitrate-Nitrite	**2.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.19	
Sulfate	**200 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 00:51	MDL.....: 1.2	
Total Alkalinity	**250 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**640 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

General Chemistry

Lot-Sample #...: D7J040166-009 **Work Order #...:** J78PH **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.25	
Fluoride	**4.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.060	
Nitrate-Nitrite	**14 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 01:08	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**610 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

General Chemistry

Lot-Sample #...: D7J040166-010 **Work Order #...:** J78PK **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.30**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.11	
Chloride	**37 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.25	
Fluoride	**2.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.060	
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.19	
Sulfate	**120 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 09:43	MDL.....: 1.2	
Total Alkalinity	**160 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**480 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

General Chemistry

Lot-Sample #...: D7J040166-011 **Work Order #...:** J78PM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.11	
Chloride	**25 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.25	
Fluoride	**2.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.19	
Sulfate	**60 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 10:00	MDL.....: 1.2	
Total Alkalinity	**250 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**430 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

General Chemistry

Lot-Sample #...: D7J040166-012 **Work Order #...:** J78PP **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	ND	0.20	mg/L	MCAWW 300.0A	10/04/07	7278593
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.11	
Chloride	**0.56 B,J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.25	
Fluoride	**0.066 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.19	
Sulfate	**0.35 B**	**5.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278597**
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.23	
Total Alkalinity	ND	5.0	mg/L	MCAWW 310.1	10/05/07	7279141
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	10/09/07	7282618
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

General Chemistry

Lot-Sample #...: D7J040166-013 **Work Order #...:** J78PR **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.11	
Chloride	**45**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.25	
Fluoride	**3.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	**0.59**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278601**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.19	
Sulfate	**99 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 01:26	MDL.....: 1.2	
Total Alkalinity	**270 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

General Chemistry

Lot-Sample #...: D7J040166-014 **Work Order #...:** J78PT **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.17 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.11	
Chloride	**26 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.25	
Fluoride	**3.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.060	
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.19	
Sulfate	**130 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 08:51	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**520 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

General Chemistry

Lot-Sample #...: D7J040166-015 **Work Order #...:** J78PV **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.11	
Chloride	**46 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.25	
Fluoride	**3.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.060	
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 10:16	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**670 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

General Chemistry

Lot-Sample #...: D7J040166-016 **Work Order #...:** J78PX **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:59	MDL.....: 0.11	
Chloride	**53 Q**	**6.0**	**mg/L**	**MCAWW 300.0A**	**10/24/07**	**7298553**
		Dilution Factor: 2		Analysis Time..: 22:10	MDL.....: 0.51	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:59	MDL.....: 0.060	
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 23:59	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 01:43	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**660**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

General Chemistry

Lot-Sample #...: D7J040166-017 **Work Order #...:** J78P2 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 0.11	
Chloride	**54 Q**	**6.0**	**mg/L**	**MCAWW 300.0A**	**10/24/07**	**7298553**
		Dilution Factor: 2		Analysis Time..: 23:02	MDL.....: 0.51	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 0.060	
Nitrate-Nitrite	**11 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/25/07**	**7299334**
		Dilution Factor: 5		Analysis Time..: 10:02	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:00	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**670**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

General Chemistry

Lot-Sample #...: D7J040166-018 **Work Order #...:** J78P3 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.25	
Fluoride	**4.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.060	
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:18	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**550**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

General Chemistry

Lot-Sample #...: D7J040166-019 **Work Order #...:** J78P4 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.11	
Chloride	**22 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.25	
Fluoride	**4.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.060	
Nitrate-Nitrite	**1.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.19	
Sulfate	**100 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 10:33	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**460 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

General Chemistry

Lot-Sample #...: D7J040166-020 **Work Order #...:** J78P5 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.11	
Chloride	**31 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.25	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.060	
Nitrate-Nitrite	**5.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 11:23	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**560 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

General Chemistry

Lot-Sample #...: D7J040166-021 **Work Order #...:** J78P7 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.11	
Chloride	**51 Q**	**6.0**	**mg/L**	**MCAWW 300.0A**	**10/24/07**	**7298553**
		Dilution Factor: 2		Analysis Time..: 23:19	MDL.....: 0.51	
Fluoride	**3.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.060	
Nitrate-Nitrite	**9.3 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:35	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

General Chemistry

Lot-Sample #...: D7J040166-022 **Work Order #...:** J78P8 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.11	
Chloride	**31 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.060	
Nitrate-Nitrite	**12 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 11:40	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**620 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

General Chemistry

Lot-Sample #...: D7J040166-023 **Work Order #...:** J78QA **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.84**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.11	
Chloride	**38 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.25	
Fluoride	**3.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.060	
Nitrate-Nitrite	**9.1 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 11:56	MDL.....: 1.2	
Total Alkalinity	**240 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

General Chemistry

Lot-Sample #...: D7J040166-024 **Work Order #...:** J78QC **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.27**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.11	
Chloride	**49 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.25	
Fluoride	**3.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.060	
Nitrate-Nitrite	**4.0**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.19	
Sulfate	**180 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 12:13	MDL.....: 1.2	
Total Alkalinity	**260 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**680 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

General Chemistry

Lot-Sample #...: D7J040166-025 **Work Order #...:** J78QE **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.11	
Chloride	**33**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.25	
Fluoride	**2.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.060	
Nitrate-Nitrite	**2.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.19	
Sulfate	**180 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:52	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

General Chemistry

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.11	
Chloride	**25**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.25	
Fluoride	**3.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.060	
Nitrate-Nitrite	**0.60**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 03:09	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

General Chemistry

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.17 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.11	
Chloride	**20**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.25	
Fluoride	**4.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.060	
Nitrate-Nitrite	**5.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:01	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

General Chemistry

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.11	
Chloride	**26**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.060	
Nitrate-Nitrite	**5.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	**0.62**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278601**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:19	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

General Chemistry

Lot-Sample #...: D7J040166-029 **Work Order #...:** J78QK **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.29**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.11	
Chloride	**43**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.060	
Nitrate-Nitrite	**20 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:36	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**670**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

General Chemistry

Lot-Sample #...: D7J040166-030 **Work Order #...:** J78QL **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.11	
Chloride	**36**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.25	
Fluoride	**4.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.060	
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:53	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**570**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

General Chemistry

Lot-Sample #...: D7J040166-031 **Work Order #...:** J78QM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.25	
Fluoride	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.060	
Nitrate-Nitrite	**2.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 05:11	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

General Chemistry

Lot-Sample #...: D7J040166-032 **Work Order #...:** J78QP **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.25	
Fluoride	**3.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.060	
Nitrate-Nitrite	**3.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.19	
Sulfate	**200 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 05:28	MDL.....: 1.2	
Total Alkalinity	**240 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

General Chemistry

Lot-Sample #...: D7J040166-033 **Work Order #...:** J78QQ **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.25	
Fluoride	**2.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.060	
Nitrate-Nitrite	**0.61**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278122**
		Dilution Factor: 5		Analysis Time..: 22:21	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

General Chemistry

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.15 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.11	
Chloride	**17 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.25	
Fluoride	**3.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.060	
Nitrate-Nitrite	**2.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.19	
Sulfate	**86 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 12:30	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**420 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

General Chemistry

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.13 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.11	
Chloride	**15 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.25	
Fluoride	**3.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.060	
Nitrate-Nitrite	**0.13**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.19	
Sulfate	**77 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 12:46	MDL.....: 1.2	
Total Alkalinity	**230 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**430 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

General Chemistry

Lot-Sample #...: D7J040166-036 **Work Order #...:** J78QV **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.15 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.11	
Chloride	**18 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.25	
Fluoride	**2.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.060	
Nitrate-Nitrite	**1.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.19	
Sulfate	**82 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 14:57	MDL.....: 1.2	
Total Alkalinity	**280 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

General Chemistry

Lot-Sample #...: D7J040166-037 **Work Order #...:** J78QW **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.11	
Chloride	**29 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.25	
Fluoride	**3.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.060	
Nitrate-Nitrite	**1.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 17:43	MDL.....: 1.2	
Total Alkalinity	**250 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**570 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

General Chemistry

Lot-Sample #...: D7J040166-038 **Work Order #...:** J78QX **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.11	
Chloride	**25 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.25	
Fluoride	**3.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.060	
Nitrate-Nitrite	**4.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.19	
Sulfate	**120 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 15:30	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**480 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

General Chemistry

Lot-Sample #...: D7J040166-039 **Work Order #...:** J78Q0 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.14 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.11	
Chloride	**14 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.25	
Fluoride	**4.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.060	
Nitrate-Nitrite	**2.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.19	
Sulfate	**75 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 15:47	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**400 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

General Chemistry

Lot-Sample #...: D7J050164-001 **Work Order #...:** J8CCM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.25	
Fluoride	**3.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.060	
Nitrate-Nitrite	**3.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
	Dilution Factor: 1			Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279099**
	Dilution Factor: 5			Analysis Time..: 23:03	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
	Dilution Factor: 1			Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

General Chemistry

Lot-Sample #...: D7J050164-002 **Work Order #...:** J8CCV **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.060	
Nitrate-Nitrite	**20 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.19	
Sulfate	**120 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 16:37	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283631**
		Dilution Factor: 1		Analysis Time..: 17:30	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

General Chemistry

Lot-Sample #...: D7J050164-003 **Work Order #...:** J8CCX **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.11	
Chloride	**40**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.25	
Fluoride	**3.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.060	
Nitrate-Nitrite	**9.1 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 17:27	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**590**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283631**
		Dilution Factor: 1		Analysis Time..: 17:30	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

General Chemistry

Lot-Sample #...: D7J050164-004 **Work Order #...:** J8CC0 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.19	
Sulfate	**150 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 00:06	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**540**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

General Chemistry

Lot-Sample #...: D7J050164-005 **Work Order #...:** J8CC3 **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.25	
Fluoride	**4.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.060	
Nitrate-Nitrite	**9.8 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/25/07**	**7299334**
		Dilution Factor: 5		Analysis Time..: 10:02	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 00:54	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**550**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

General Chemistry

Lot-Sample #...: D7J050164-006 **Work Order #...:** J8CC6 **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.15 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.11	
Chloride	**24**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.25	
Fluoride	**1.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.060	
Nitrate-Nitrite	**1.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.19	
Sulfate	**150 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 01:10	MDL.....: 1.2	
Total Alkalinity	**230 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**510**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

General Chemistry

Lot-Sample #...: D7J050164-007 **Work Order #...:** J8CC8 **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.28**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.19	
Sulfate	**200 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 01:25	MDL.....: 1.2	
Total Alkalinity	**280 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**660**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

General Chemistry

Lot-Sample #...: D7J050164-008 **Work Order #...:** J8CC9 **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.33**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.11	
Chloride	**42**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.25	
Fluoride	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.060	
Nitrate-Nitrite	**0.020 B**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.19	
Sulfate	**490 J,Q**	**100**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 20		Analysis Time..: 01:41	MDL.....: 4.6	
Total Alkalinity	**270 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**1000**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

General Chemistry

Lot-Sample #...: D7J050164-009 **Work Order #...:** J8CDA **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:50	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:50	MDL.....: 0.25	
Fluoride	**1.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:50	MDL.....: 0.060	
Nitrate-Nitrite	**0.052 B**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:50	MDL.....: 0.19	
Sulfate	**200 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 01:57	MDL.....: 1.2	
Total Alkalinity	**300 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

General Chemistry

Lot-Sample #...: D7J050164-010 **Work Order #...:** J8CDD **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.11	
Chloride	**26**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.060	
Nitrate-Nitrite	**1.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 02:13	MDL.....: 1.2	
Total Alkalinity	**230 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**540**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

General Chemistry

Lot-Sample #...: D7J050164-011 **Work Order #...:** J8CDP **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 20:41	MDL.....: 0.11	
Chloride	**29**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 20:41	MDL.....: 0.25	
Fluoride	**3.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 20:41	MDL.....: 0.060	
Nitrate-Nitrite	**4.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1		Analysis Time..: 09:11	MDL.....: 0.19	
Sulfate	**190 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 03:00	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**620**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

General Chemistry

Lot-Sample #...: D7J050164-012 **Work Order #...:** J8CDQ **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.28**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 20:57	MDL.....: 0.11	
Chloride	**33**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 20:57	MDL.....: 0.25	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 20:57	MDL.....: 0.060	
Nitrate-Nitrite	**4.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1		Analysis Time..: 09:28	MDL.....: 0.19	
Sulfate	**210 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 03:16	MDL.....: 1.2	
Total Alkalinity	**240 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**660**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

General Chemistry

Lot-Sample #...: D7J050164-013 **Work Order #...:** J8CDT **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.25	
Fluoride	**4.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.060	
Nitrate-Nitrite	**8.5 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 16:03	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**580**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283633**
		Dilution Factor: 1		Analysis Time..: 18:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

General Chemistry

Lot-Sample #...: D7J050164-014 **Work Order #...:** J8CDW **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.25	
Fluoride	**4.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.060	
Nitrate-Nitrite	**9.8 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	**0.27 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279103**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 22:47	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**540**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283633**
		Dilution Factor: 1		Analysis Time..: 18:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

General Chemistry

Lot-Sample #...: D7J050164-015 **Work Order #...:** J8CDX **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.25	
Fluoride	**4.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.060	
Nitrate-Nitrite	**2.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.19	
Sulfate	**130 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 16:20	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/09/07**	**7283437**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283633**
		Dilution Factor: 1		Analysis Time..: 18:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

General Chemistry

Lot-Sample #...: D7J130200-001 **Work Order #...:** J8X5T **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288457**
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.11	
Chloride	**28**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288454**
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.25	
Fluoride	**1.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288460**
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.060	
Nitrate-Nitrite	**1.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**11/01/07**	**7309245**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/13-10/14/07**	**7288455**
		Dilution Factor: 5		Analysis Time..: 04:23	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/17/07**	**7291487**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.1	
Total Dissolved Solids	**560**	**10**	**mg/L**	**MCAWW 160.1**	**10/16/07**	**7289570**
		Dilution Factor: 1		Analysis Time..: 14:10	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

General Chemistry

Lot-Sample #...: D7J130200-002 **Work Order #...:** J8X5V **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288457**
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288454**
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.25	
Fluoride	**1.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288460**
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.19	
Sulfate	**72 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/13-10/14/07**	**7288455**
		Dilution Factor: 5		Analysis Time..: 04:38	MDL.....: 1.2	
Total Alkalinity	**40 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/17/07**	**7291487**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.1	
Total Dissolved Solids	**210**	**10**	**mg/L**	**MCAWW 160.1**	**10/16/07**	**7289570**
		Dilution Factor: 1		Analysis Time..: 14:10	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

General Chemistry

Lot-Sample #...: D7J130200-003 **Work Order #...:** J8X5W **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288457**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288454**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.25	
Fluoride	**0.56**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288460**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.060	
Nitrate-Nitrite	**3.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**11/01/07**	**7309245**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.19	
Sulfate	**190 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/31/07**	**7305370**
		Dilution Factor: 5		Analysis Time..: 21:04	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/18/07**	**7293109**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 1.1	
Total Dissolved Solids	**610**	**10**	**mg/L**	**MCAWW 160.1**	**10/18/07**	**7291637**
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7281482	7283218
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
002	WATER	MCAWW 160.1		7281482	7283218
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
003	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281125	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
005	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
006	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
007	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
008	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
009	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
011	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
012	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
014	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
015	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
016	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7298553	7298313
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
017	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7299334	
	WATER	MCAWW 300.0A		7298553	7298313
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240
018	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
019	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240
020	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240
021	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7298553	7298313
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
022	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
023	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
024	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
025	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
026	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
027	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
028	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
029	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
030	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
031	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
032	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
033	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278122	7278074
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
034	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
035	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
036	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
037	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7284383	7284238
038	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7284383	7284238
039	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
002	WATER	MCAWW 160.1		7283631	7286100
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
003	WATER	MCAWW 160.1		7283631	7286100
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
005	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7299334	
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
006	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
007	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
008	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
009	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	
011	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279121	7281134
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
012	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279121	7281134
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	MCAWW 160.1		7283633	7286101
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
014	WATER	MCAWW 160.1		7283633	7286101
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
015	WATER	MCAWW 160.1		7283633	7286101
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7283437	7283242
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J130200

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7289570	7292310
	WATER	SW846 8330		7288188	
	WATER	MCAWW 353.2		7309245	7309141
	WATER	MCAWW 300.0A		7288454	7288278
	WATER	MCAWW 300.0A		7288455	7289137
	WATER	MCAWW 300.0A		7288460	7288276
	WATER	MCAWW 300.0A		7288459	7288287
	WATER	MCAWW 300.0A		7288457	7288283
	WATER	SW846 6020		7290371	7290252
	WATER	SW846 7470A		7292394	7292224
	WATER	SW846 6010B		7290444	7290298
	WATER	MCAWW 310.1		7291487	7291391
	WATER	SW846 6860		7306435	7306279
002	WATER	MCAWW 160.1		7289570	7292310
	WATER	SW846 8330		7288188	
	WATER	MCAWW 353.2		7309245	7309141
	WATER	MCAWW 300.0A		7288454	7288278
	WATER	MCAWW 300.0A		7288455	7289137
	WATER	MCAWW 300.0A		7288460	7288276
	WATER	MCAWW 300.0A		7288459	7288287
	WATER	MCAWW 300.0A		7288457	7288283
	WATER	SW846 6020		7290371	7290252
	WATER	SW846 7470A		7292394	7292224
	WATER	SW846 6010B		7290444	7290298
	WATER	MCAWW 310.1		7291487	7291391
	WATER	SW846 6860		7306435	7306279
003	WATER	MCAWW 160.1		7291637	7297243
	WATER	SW846 8330		7288188	
	WATER	MCAWW 353.2		7309245	7309141
	WATER	MCAWW 300.0A		7288454	7288278
	WATER	MCAWW 300.0A		7305370	7305209
	WATER	MCAWW 300.0A		7288460	7288276
	WATER	MCAWW 300.0A		7288459	7288287
	WATER	MCAWW 300.0A		7288457	7288283
	WATER	SW846 6020		7290371	7290252
	WATER	SW846 7470A		7292394	7292224
	WATER	SW846 6010B		7290444	7290298
	WATER	MCAWW 310.1		7293109	7293061
	WATER	SW846 6860		7306435	7306279

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8MD81AA **Matrix.....:** WATER
MB Lot-Sample #: R7J100000-482

Prep Date.....: 10/10/07 **Analysis Time..:** 23:43
Analysis Date..: 10/10/07 **Prep Batch #...:** 7283482
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8P1F1AA **Matrix.....:** WATER
MB Lot-Sample #: R7J110000-383

Prep Date.....: 10/11/07 **Analysis Time..:** 12:17
Analysis Date..: 10/16/07 **Prep Batch #...:** 7284383
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J9MNC1AA **Matrix.....:** WATER
MB Lot-Sample #: R7J230000-509

Prep Date.....: 10/23/07 **Analysis Time..:** 23:14
Analysis Date..: 10/24/07 **Prep Batch #...:** 7296509
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** KAFGL1AA **Matrix.....:** WATER
MB Lot-Sample #: R7K020000-435

Prep Date.....: 11/02/07 **Analysis Time..:** 07:46
Analysis Date..: 11/04/07 **Prep Batch #...:** 7306435
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8MD81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R7J100000-482 J8MD81AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 00:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(80 - 120)**			**SW846 6860**
	96	**(80 - 120)**	**3.5**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8MD81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R7J100000-482 J8MD81AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 00:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Perchlorate	**0.100**	**0.0995**	**ug/L**	**99**		**SW846 6860**
	0.100	**0.0961**	**ug/L**	**96**	**3.5**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8P1F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R7J110000-383 J8P1F1AD-LCSD
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 14:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**109**	**(80 - 120)**			**SW846 6860**
	104	**(80 - 120)**	**5.0**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8P1F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R7J110000-383 J8P1F1AD-LCSD
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 14:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Perchlorate	**0.100**	**0.109**	**ug/L**	**109**		**SW846 6860**
	0.100	**0.104**	**ug/L**	**104**	**5.0**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J9MNC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7J230000-509
Prep Date.....: 10/23/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7296509 **Analysis Time..:** 23:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**115**	**(80 - 120)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J9MNC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7J230000-509
Prep Date.....: 10/23/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7296509 **Analysis Time..:** 23:45
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.115**	**ug/L**	**115**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** KAFGL1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7K020000-435
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 08:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**112**	**(80 - 120)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** KAFGL1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7K020000-435
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 08:18
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.112**	**ug/L**	**112**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78NV1D1-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-001 J78NV1D2-MSD
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 02:30
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(80 - 120)**			**SW846 6860**
	90	**(80 - 120)**	**2.2**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78NV1D1-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-001 J78NV1D2-MSD
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 02:30
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**3.2**	**1.00**	**4.22**	**ug/L**	**99**		**SW846 6860**
	3.2	**1.00**	**4.12**	**ug/L**	**90**	**2.2**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78P71CF-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-021 J78P71CG-MSD
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 05:37
Dilution Factor: 50000

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**113**	**(80 - 120)**			**SW846 6860**
	111	**(80 - 120)**	**0.56**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78P71CF-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-021 J78P71CG-MSD
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 05:37
Dilution Factor: 50000

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**18000**	**5000**	**23400**	**ug/L**	**113**		**SW846 6860**
	18000	**5000**	**23200**	**ug/L**	**111**	**0.56**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DQ-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 18:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**115**	**(80 - 120)**			**SW846 6860**
	114	**(80 - 120)**	**0.32**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DQ-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 18:23
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**0.13**	**0.100**	**0.240**	**ug/L**	**115**		**SW846 6860**
	0.13	**0.100**	**0.239**	**ug/L**	**114**	**0.32**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J89FM1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J180192-001 J89FM1AM-MSD
Date Sampled...: 10/17/07 13:00 **Date Received..:** 10/18/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 19:18
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**108**	**(80 - 120)**			**SW846 6860**
	93	**(80 - 120)**	**2.2**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J89FM1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J180192-001 J89FM1AM-MSD
Date Sampled...: 10/17/07 13:00 **Date Received..:** 10/18/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 19:18
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**5.9**	**1.00**	**6.97**	**ug/L**	**108**		**SW846 6860**
	5.9	**1.00**	**6.82**	**ug/L**	**93**	**2.2**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AA **Matrix.....:** WATER
MB Lot-Sample #: D7J080000-121

Prep Date.....: 10/08/07 **Analysis Time..:** 19:58
Analysis Date..: 10/26/07 **Prep Batch #...:** 7281121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	82	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FNE1AA **Matrix.....:** WATER
MB Lot-Sample #: D7J080000-125

Prep Date.....: 10/08/07 **Analysis Time..:** 12:49
Analysis Date..: 10/23/07 **Prep Batch #...:** 7281125
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8GRJ1AA **Matrix.....:** WATER
MB Lot-Sample #: D7J080000-424

Prep Date.....: 10/08/07 **Analysis Time..:** 02:38
Analysis Date..: 10/24/07 **Prep Batch #...:** 7281424
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K091AA **Matrix.....:** WATER
MB Lot-Sample #: D7J100000-200

Prep Date.....: 10/10/07 **Analysis Time..:** 00:47
Analysis Date..: 10/27/07 **Prep Batch #...:** 7283200
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K1D1AA **Matrix.....:** WATER
MB Lot-Sample #: D7J100000-201

Prep Date.....: 10/10/07 **Analysis Time..:** 02:24
Analysis Date..: 10/25/07 **Prep Batch #...:** 7283201
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	77	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J80071AA **Matrix.....:** WATER
MB Lot-Sample #: D7J150000-188

Prep Date.....: 10/15/07 **Analysis Time..:** 17:27
Analysis Date..: 11/05/07 **Prep Batch #...:** 7288188
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J94131AA **Matrix.....:** WATER
MB Lot-Sample #: D7J300000-140

Prep Date.....: 10/30/07 **Analysis Time..:** 14:37
Analysis Date..: 10/31/07 **Prep Batch #...:** 7303140
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-121 J8FND1AD-LCSD
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 20:34
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	52 a	(75 - 115)			SW846 8330
	64 a,p	(75 - 115)	21	(0-18)	SW846 8330
4-Amino-2,6-dinitrotoluene	43 a	(57 - 115)			SW846 8330
	54 a,p	(57 - 115)	24	(0-22)	SW846 8330
1,3-Dinitrobenzene	67 a	(78 - 115)			SW846 8330
	83 p	(78 - 115)	21	(0-19)	SW846 8330
2,4-Dinitrotoluene	70 a	(75 - 115)			SW846 8330
	84	(75 - 115)	18	(0-21)	SW846 8330
2,6-Dinitrotoluene	70 a	(77 - 115)			SW846 8330
	82	(77 - 115)	16	(0-20)	SW846 8330
HMX	81	(78 - 115)			SW846 8330
	89	(78 - 115)	9.5	(0-26)	SW846 8330
Nitrobenzene	47 a	(51 - 115)			SW846 8330
	65	(51 - 115)	31	(0-32)	SW846 8330
2-Nitrotoluene	40	(35 - 115)			SW846 8330
	56	(35 - 115)	34	(0-43)	SW846 8330
3-Nitrotoluene	52	(30 - 115)			SW846 8330
	64	(30 - 115)	21	(0-74)	SW846 8330
4-Nitrotoluene	49	(40 - 115)			SW846 8330
	64	(40 - 115)	26	(0-44)	SW846 8330
RDX	82	(69 - 118)			SW846 8330
	92	(69 - 118)	12	(0-37)	SW846 8330
Tetryl	86	(69 - 127)			SW846 8330
	99	(69 - 127)	13	(0-24)	SW846 8330
1,3,5-Trinitrobenzene	71 a	(73 - 122)			SW846 8330
	84	(73 - 122)	17	(0-21)	SW846 8330
2,4,6-Trinitrotoluene	76	(73 - 116)			SW846 8330
	88	(73 - 116)	14	(0-19)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	66 *	(75 - 118)
	78	(75 - 118)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-121 J8FND1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-121 J8FND1AD-LCSD
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 20:34
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	2.00	1.03 a	ug/L	52		SW846 8330
	2.00	1.27 a,p	ug/L	64	21	SW846 8330
4-Amino-2,6-dinitrotoluene	2.00	0.853 a	ug/L	43		SW846 8330
	2.00	1.09 a,p	ug/L	54	24	SW846 8330
1,3-Dinitrobenzene	2.00	1.34 a	ug/L	67		SW846 8330
	2.00	1.66 p	ug/L	83	21	SW846 8330
2,4-Dinitrotoluene	2.00	1.41 a	ug/L	70		SW846 8330
	2.00	1.68	ug/L	84	18	SW846 8330
2,6-Dinitrotoluene	2.00	1.39 a	ug/L	70		SW846 8330
	2.00	1.64	ug/L	82	16	SW846 8330
HMX	2.00	1.62	ug/L	81		SW846 8330
	2.00	1.78	ug/L	89	9.5	SW846 8330
Nitrobenzene	2.00	0.947 a	ug/L	47		SW846 8330
	2.00	1.30	ug/L	65	31	SW846 8330
2-Nitrotoluene	2.00	0.802	ug/L	40		SW846 8330
	2.00	1.13	ug/L	56	34	SW846 8330
3-Nitrotoluene	2.00	1.04	ug/L	52		SW846 8330
	2.00	1.28	ug/L	64	21	SW846 8330
4-Nitrotoluene	2.00	0.987	ug/L	49		SW846 8330
	2.00	1.28	ug/L	64	26	SW846 8330
RDX	2.00	1.63	ug/L	82		SW846 8330
	2.00	1.85	ug/L	92	12	SW846 8330
Tetryl	2.00	1.72	ug/L	86		SW846 8330
	2.00	1.97	ug/L	99	13	SW846 8330
1,3,5-Trinitrobenzene	2.00	1.42 a	ug/L	71		SW846 8330
	2.00	1.68	ug/L	84	17	SW846 8330
2,4,6-Trinitrotoluene	2.00	1.51	ug/L	76		SW846 8330
	2.00	1.75	ug/L	88	14	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	66 *	(75 - 118)
	78	(75 - 118)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-121 J8FND1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
Work Order #...: J8FNE1AC-LCS
J8FNE1AD-LCSD
Matrix.....: WATER
LCS Lot-Sample#: D7J080000-125
Prep Date.....: 10/08/07
Analysis Date..: 10/23/07
Prep Batch #...: 7281125
Analysis Time..: 13:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	81	(75 - 115)			SW846 8330
	80	(75 - 115)	1.6	(0-18)	SW846 8330
4-Amino-2,6-dinitrotoluene	73	(57 - 115)			SW846 8330
	72	(57 - 115)	1.4	(0-22)	SW846 8330
1,3-Dinitrobenzene	96	(78 - 115)			SW846 8330
2,4-Dinitrotoluene	97	(78 - 115)	1.0	(0-19)	SW846 8330
	98	(75 - 115)			SW846 8330
2,6-Dinitrotoluene	99	(75 - 115)	0.91	(0-21)	SW846 8330
	97	(77 - 115)			SW846 8330
HMX	96	(77 - 115)	0.77	(0-20)	SW846 8330
	99	(78 - 115)			SW846 8330
Nitrobenzene	100	(78 - 115)	0.30	(0-26)	SW846 8330
	73	(51 - 115)			SW846 8330
2-Nitrotoluene	73	(51 - 115)	0.34	(0-32)	SW846 8330
	64	(35 - 115)			SW846 8330
3-Nitrotoluene	67	(35 - 115)	4.5	(0-43)	SW846 8330
	89	(30 - 115)			SW846 8330
4-Nitrotoluene	89	(30 - 115)	0.33	(0-74)	SW846 8330
	84	(40 - 115)			SW846 8330
RDX	84	(40 - 115)	0.47	(0-44)	SW846 8330
	94	(69 - 118)			SW846 8330
Tetryl	96	(69 - 118)	1.3	(0-37)	SW846 8330
	109	(69 - 127)			SW846 8330
1,3,5-Trinitrobenzene	111	(69 - 127)	1.5	(0-24)	SW846 8330
	95	(73 - 122)			SW846 8330
2,4,6-Trinitrotoluene	97	(73 - 122)	2.4	(0-21)	SW846 8330
	99	(73 - 116)			SW846 8330
	99	(73 - 116)	0.25	(0-19)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	93	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FNE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-125 J8FNE1AD-LCSD
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 13:25
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.62**	**ug/L**	**81**		**SW846 8330**
	2.00	**1.60**	**ug/L**	**80**	**1.6**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.46**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.44**	**ug/L**	**72**	**1.4**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.92**	**ug/L**	**96**		**SW846 8330**
	2.00	**1.94**	**ug/L**	**97**	**1.0**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.96**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.98**	**ug/L**	**99**	**0.91**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.93**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**0.77**	**SW846 8330**
HMX	**2.00**	**1.99**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.99**	**ug/L**	**100**	**0.30**	**SW846 8330**
Nitrobenzene	**2.00**	**1.47**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.46**	**ug/L**	**73**	**0.34**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.27**	**ug/L**	**64**		**SW846 8330**
	2.00	**1.33**	**ug/L**	**67**	**4.5**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.78**	**ug/L**	**89**		**SW846 8330**
	2.00	**1.78**	**ug/L**	**89**	**0.33**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.68**	**ug/L**	**84**		**SW846 8330**
	2.00	**1.68**	**ug/L**	**84**	**0.47**	**SW846 8330**
RDX	**2.00**	**1.89**	**ug/L**	**94**		**SW846 8330**
	2.00	**1.91**	**ug/L**	**96**	**1.3**	**SW846 8330**
Tetryl	**2.00**	**2.18**	**ug/L**	**109**		**SW846 8330**
	2.00	**2.22**	**ug/L**	**111**	**1.5**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**97**	**2.4**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.98**	**ug/L**	**99**	**0.25**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	93	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8GRJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-424 J8GRJ1AD-LCSD
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 03:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**76**	**(75 - 115)**			**SW846 8330**
	83	**(75 - 115)**	**8.8**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**67**	**(57 - 115)**			**SW846 8330**
	76	**(57 - 115)**	**12**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(78 - 115)**			**SW846 8330**
	97	**(78 - 115)**	**5.2**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**96**	**(75 - 115)**			**SW846 8330**
	100	**(75 - 115)**	**4.4**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**94**	**(77 - 115)**			**SW846 8330**
	99	**(77 - 115)**	**5.3**	**(0-20)**	**SW846 8330**
HMX	**94**	**(78 - 115)**			**SW846 8330**
	102	**(78 - 115)**	**7.9**	**(0-26)**	**SW846 8330**
Nitrobenzene	**83**	**(51 - 115)**			**SW846 8330**
	92	**(51 - 115)**	**10**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**82**	**(35 - 115)**			**SW846 8330**
	81	**(35 - 115)**	**1.4**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**97**	**(30 - 115)**			**SW846 8330**
	100	**(30 - 115)**	**3.6**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**91**	**(40 - 115)**			**SW846 8330**
	94	**(40 - 115)**	**3.5**	**(0-44)**	**SW846 8330**
RDX	**92**	**(69 - 118)**			**SW846 8330**
	96	**(69 - 118)**	**4.6**	**(0-37)**	**SW846 8330**
Tetryl	**107**	**(69 - 127)**			**SW846 8330**
	111	**(69 - 127)**	**4.3**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**90**	**(73 - 122)**			**SW846 8330**
	96	**(73 - 122)**	**7.2**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**96**	**(73 - 116)**			**SW846 8330**
	100	**(73 - 116)**	**4.4**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8GRJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-424 J8GRJ1AD-LCSD
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 03:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.53**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.67**	**ug/L**	**83**	**8.8**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.35**	**ug/L**	**67**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**76**	**12**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.85**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**97**	**5.2**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.91**	**ug/L**	**96**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**4.4**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.88**	**ug/L**	**94**		**SW846 8330**
	2.00	**1.99**	**ug/L**	**99**	**5.3**	**SW846 8330**
HMX	**2.00**	**1.88**	**ug/L**	**94**		**SW846 8330**
	2.00	**2.03**	**ug/L**	**102**	**7.9**	**SW846 8330**
Nitrobenzene	**2.00**	**1.66**	**ug/L**	**83**		**SW846 8330**
	2.00	**1.84**	**ug/L**	**92**	**10**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.64**	**ug/L**	**82**		**SW846 8330**
	2.00	**1.62**	**ug/L**	**81**	**1.4**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.93**	**ug/L**	**97**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**3.6**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.82**	**ug/L**	**91**		**SW846 8330**
	2.00	**1.88**	**ug/L**	**94**	**3.5**	**SW846 8330**
RDX	**2.00**	**1.83**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**4.6**	**SW846 8330**
Tetryl	**2.00**	**2.13**	**ug/L**	**107**		**SW846 8330**
	2.00	**2.22**	**ug/L**	**111**	**4.3**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.79**	**ug/L**	**90**		**SW846 8330**
	2.00	**1.93**	**ug/L**	**96**	**7.2**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.92**	**ug/L**	**96**		**SW846 8330**
	2.00	**2.01**	**ug/L**	**100**	**4.4**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K091AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-200 J8K091AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/30/07
Prep Batch #...: 7283200 **Analysis Time..:** 14:28
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**82**	**(75 - 115)**			**SW846 8330**
	82	**(75 - 115)**	**0.18**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**73**	**(57 - 115)**			**SW846 8330**
	74	**(57 - 115)**	**0.68**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**98**	**(78 - 115)**			**SW846 8330**
	98	**(78 - 115)**	**0.76**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**101**	**(75 - 115)**			**SW846 8330**
	101	**(75 - 115)**	**0.39**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**100**	**(77 - 115)**			**SW846 8330**
	100	**(77 - 115)**	**0.20**	**(0-20)**	**SW846 8330**
HMX	**100**	**(78 - 115)**			**SW846 8330**
	96	**(78 - 115)**	**4.0**	**(0-26)**	**SW846 8330**
Nitrobenzene	**77**	**(51 - 115)**			**SW846 8330**
	78	**(51 - 115)**	**1.4**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**72**	**(35 - 115)**			**SW846 8330**
	69	**(35 - 115)**	**4.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**79**	**(30 - 115)**			**SW846 8330**
	76	**(30 - 115)**	**3.2**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**87**	**(40 - 115)**			**SW846 8330**
	82	**(40 - 115)**	**5.5**	**(0-44)**	**SW846 8330**
RDX	**96**	**(69 - 118)**			**SW846 8330**
	105	**(69 - 118)**	**8.6**	**(0-37)**	**SW846 8330**
Tetryl	**112**	**(69 - 127)**			**SW846 8330**
	113	**(69 - 127)**	**0.31**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**98**	**(73 - 122)**			**SW846 8330**
	97	**(73 - 122)**	**0.56**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**102**	**(73 - 116)**			**SW846 8330**
	102	**(73 - 116)**	**0.58**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K091AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-200 J8K091AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/30/07
Prep Batch #...: 7283200 **Analysis Time..:** 14:28
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.64**	**ug/L**	**82**		**SW846 8330**
	2.00	**1.65**	**ug/L**	**82**	**0.18**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.46**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.47**	**ug/L**	**74**	**0.68**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.95**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.96**	**ug/L**	**98**	**0.76**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**2.02**	**ug/L**	**101**		**SW846 8330**
	2.00	**2.02**	**ug/L**	**101**	**0.39**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**2.00**	**ug/L**	**100**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**0.20**	**SW846 8330**
HMX	**2.00**	**2.01**	**ug/L**	**100**		**SW846 8330**
	2.00	**1.93**	**ug/L**	**96**	**4.0**	**SW846 8330**
Nitrobenzene	**2.00**	**1.53**	**ug/L**	**77**		**SW846 8330**
	2.00	**1.55**	**ug/L**	**78**	**1.4**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.45**	**ug/L**	**72**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**69**	**4.0**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.57**	**ug/L**	**79**		**SW846 8330**
	2.00	**1.52**	**ug/L**	**76**	**3.2**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.74**	**ug/L**	**87**		**SW846 8330**
	2.00	**1.64**	**ug/L**	**82**	**5.5**	**SW846 8330**
RDX	**2.00**	**1.92**	**ug/L**	**96**		**SW846 8330**
	2.00	**2.09**	**ug/L**	**105**	**8.6**	**SW846 8330**
Tetryl	**2.00**	**2.25**	**ug/L**	**112**		**SW846 8330**
	2.00	**2.26**	**ug/L**	**113**	**0.31**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.96**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.94**	**ug/L**	**97**	**0.56**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.03**	**ug/L**	**102**		**SW846 8330**
	2.00	**2.04**	**ug/L**	**102**	**0.58**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K1D1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-201 J8K1D1AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7283201 **Analysis Time..:** 10:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**78**	**(75 - 115)**			**SW846 8330**
	75	**(75 - 115)**	**2.8**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**69**	**(57 - 115)**			**SW846 8330**
	68	**(57 - 115)**	**0.73**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**98**	**(78 - 115)**			**SW846 8330**
	98	**(78 - 115)**	**0.91**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**99**	**(75 - 115)**			**SW846 8330**
	99	**(75 - 115)**	**0.45**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**99**	**(77 - 115)**			**SW846 8330**
	96	**(77 - 115)**	**3.6**	**(0-20)**	**SW846 8330**
HMX	**101**	**(78 - 115)**			**SW846 8330**
	102	**(78 - 115)**	**0.49**	**(0-26)**	**SW846 8330**
Nitrobenzene	**81**	**(51 - 115)**			**SW846 8330**
	84	**(51 - 115)**	**2.8**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**76**	**(35 - 115)**			**SW846 8330**
	73	**(35 - 115)**	**5.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**86**	**(30 - 115)**			**SW846 8330**
	91	**(30 - 115)**	**5.8**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**88**	**(40 - 115)**			**SW846 8330**
	85	**(40 - 115)**	**3.9**	**(0-44)**	**SW846 8330**
RDX	**99**	**(69 - 118)**			**SW846 8330**
	98	**(69 - 118)**	**1.6**	**(0-37)**	**SW846 8330**
Tetryl	**116**	**(69 - 127)**			**SW846 8330**
	115	**(69 - 127)**	**0.78**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**99**	**(73 - 122)**			**SW846 8330**
	100	**(73 - 122)**	**0.40**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**102**	**(73 - 116)**			**SW846 8330**
	102	**(73 - 116)**	**0.34**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K1D1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-201 J8K1D1AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7283201 **Analysis Time..:** 10:51
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.55**	**ug/L**	**78**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**75**	**2.8**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.37**	**ug/L**	**69**		**SW846 8330**
	2.00	**1.36**	**ug/L**	**68**	**0.73**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.95**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.97**	**ug/L**	**98**	**0.91**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.97**	**ug/L**	**99**	**0.45**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.99**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**3.6**	**SW846 8330**
HMX	**2.00**	**2.02**	**ug/L**	**101**		**SW846 8330**
	2.00	**2.03**	**ug/L**	**102**	**0.49**	**SW846 8330**
Nitrobenzene	**2.00**	**1.62**	**ug/L**	**81**		**SW846 8330**
	2.00	**1.67**	**ug/L**	**84**	**2.8**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.53**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.46**	**ug/L**	**73**	**5.0**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.72**	**ug/L**	**86**		**SW846 8330**
	2.00	**1.82**	**ug/L**	**91**	**5.8**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.76**	**ug/L**	**88**		**SW846 8330**
	2.00	**1.70**	**ug/L**	**85**	**3.9**	**SW846 8330**
RDX	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**98**	**1.6**	**SW846 8330**
Tetryl	**2.00**	**2.32**	**ug/L**	**116**		**SW846 8330**
	2.00	**2.30**	**ug/L**	**115**	**0.78**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.99**	**ug/L**	**100**	**0.40**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.03**	**ug/L**	**102**		**SW846 8330**
	2.00	**2.04**	**ug/L**	**102**	**0.34**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J80071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J150000-188 J80071AD-LCSD
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 18:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**79**	**(75 - 115)**			**SW846 8330**
	78	**(75 - 115)**	**0.88**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**69**	**(57 - 115)**			**SW846 8330**
	69	**(57 - 115)**	**0.50**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**94**	**(78 - 115)**			**SW846 8330**
	92	**(78 - 115)**	**2.4**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**97**	**(75 - 115)**			**SW846 8330**
	94	**(75 - 115)**	**2.4**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**100**	**(77 - 115)**			**SW846 8330**
	97	**(77 - 115)**	**2.8**	**(0-20)**	**SW846 8330**
HMX	**96**	**(78 - 115)**			**SW846 8330**
	93	**(78 - 115)**	**2.6**	**(0-26)**	**SW846 8330**
Nitrobenzene	**66**	**(51 - 115)**			**SW846 8330**
	58	**(51 - 115)**	**12**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**56**	**(35 - 115)**			**SW846 8330**
	48	**(35 - 115)**	**16**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**72**	**(30 - 115)**			**SW846 8330**
	66	**(30 - 115)**	**8.7**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**76**	**(40 - 115)**			**SW846 8330**
	70	**(40 - 115)**	**9.1**	**(0-44)**	**SW846 8330**
RDX	**112**	**(69 - 118)**			**SW846 8330**
	99	**(69 - 118)**	**12**	**(0-37)**	**SW846 8330**
Tetryl	**108**	**(69 - 127)**			**SW846 8330**
	106	**(69 - 127)**	**1.7**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**92**	**(73 - 122)**			**SW846 8330**
	90	**(73 - 122)**	**2.5**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**97**	**(73 - 116)**			**SW846 8330**
	94	**(73 - 116)**	**3.7**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)
	86	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J80071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J150000-188 J80071AD-LCSD
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 18:03
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.58**	**ug/L**	**79**		**SW846 8330**
	2.00	**1.57**	**ug/L**	**78**	**0.88**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.38**	**ug/L**	**69**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**69**	**0.50**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.88**	**ug/L**	**94**		**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.84**	**ug/L**	**92**	**2.4**	**SW846 8330**
	2.00	**1.94**	**ug/L**	**97**		**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.89**	**ug/L**	**94**	**2.4**	**SW846 8330**
	2.00	**1.99**	**ug/L**	**100**		**SW846 8330**
HMX	**2.00**	**1.94**	**ug/L**	**97**	**2.8**	**SW846 8330**
	2.00	**1.91**	**ug/L**	**96**		**SW846 8330**
Nitrobenzene	**2.00**	**1.86**	**ug/L**	**93**	**2.6**	**SW846 8330**
	2.00	**1.31**	**ug/L**	**66**		**SW846 8330**
2-Nitrotoluene	**2.00**	**1.17**	**ug/L**	**58**	**12**	**SW846 8330**
	2.00	**1.12**	**ug/L**	**56**		**SW846 8330**
3-Nitrotoluene	**2.00**	**0.955**	**ug/L**	**48**	**16**	**SW846 8330**
	2.00	**1.43**	**ug/L**	**72**		**SW846 8330**
4-Nitrotoluene	**2.00**	**1.31**	**ug/L**	**66**	**8.7**	**SW846 8330**
	2.00	**1.52**	**ug/L**	**76**		**SW846 8330**
RDX	**2.00**	**1.39**	**ug/L**	**70**	**9.1**	**SW846 8330**
	2.00	**2.23**	**ug/L**	**112**		**SW846 8330**
Tetryl	**2.00**	**1.98**	**ug/L**	**99**	**12**	**SW846 8330**
	2.00	**2.16**	**ug/L**	**108**		**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**2.13**	**ug/L**	**106**	**1.7**	**SW846 8330**
	2.00	**1.85**	**ug/L**	**92**		**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.80**	**ug/L**	**90**	**2.5**	**SW846 8330**
	2.00	**1.95**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.88**	**ug/L**	**94**	**3.7**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)
	86	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J94131AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J300000-140 J94131AD-LCSD
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 15:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**83**	**(75 - 115)**			**SW846 8330**
	78	**(75 - 115)**	**7.1**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**67**	**(57 - 115)**			**SW846 8330**
	60	**(57 - 115)**	**11**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**101**	**(78 - 115)**			**SW846 8330**
	95	**(78 - 115)**	**5.8**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**104**	**(75 - 115)**			**SW846 8330**
	100	**(75 - 115)**	**3.7**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**109**	**(77 - 115)**			**SW846 8330**
	102	**(77 - 115)**	**6.8**	**(0-20)**	**SW846 8330**
HMX	**102**	**(78 - 115)**			**SW846 8330**
	100	**(78 - 115)**	**2.6**	**(0-26)**	**SW846 8330**
Nitrobenzene	**81**	**(51 - 115)**			**SW846 8330**
	75	**(51 - 115)**	**6.9**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**76**	**(35 - 115)**			**SW846 8330**
	70	**(35 - 115)**	**8.3**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**95**	**(30 - 115)**			**SW846 8330**
	96	**(30 - 115)**	**0.52**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**95**	**(40 - 115)**			**SW846 8330**
	86	**(40 - 115)**	**11**	**(0-44)**	**SW846 8330**
RDX	**103**	**(69 - 118)**			**SW846 8330**
	110	**(69 - 118)**	**6.4**	**(0-37)**	**SW846 8330**
Tetryl	**116**	**(69 - 127)**			**SW846 8330**
	108	**(69 - 127)**	**7.5**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**102**	**(73 - 122)**			**SW846 8330**
	95	**(73 - 122)**	**7.1**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**103**	**(73 - 116)**			**SW846 8330**
	98	**(73 - 116)**	**5.4**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J94131AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J300000-140 J94131AD-LCSD
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 15:13
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.66**	**ug/L**	**83**		**SW846 8330**
	2.00	**1.55**	**ug/L**	**78**	**7.1**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.35**	**ug/L**	**67**		**SW846 8330**
	2.00	**1.21**	**ug/L**	**60**	**11**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**2.01**	**ug/L**	**101**		**SW846 8330**
	2.00	**1.90**	**ug/L**	**95**	**5.8**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**2.08**	**ug/L**	**104**		**SW846 8330**
	2.00	**2.01**	**ug/L**	**100**	**3.7**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**2.18**	**ug/L**	**109**		**SW846 8330**
	2.00	**2.04**	**ug/L**	**102**	**6.8**	**SW846 8330**
HMX	**2.00**	**2.05**	**ug/L**	**102**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**2.6**	**SW846 8330**
Nitrobenzene	**2.00**	**1.62**	**ug/L**	**81**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**75**	**6.9**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.51**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**70**	**8.3**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.91**	**ug/L**	**96**	**0.52**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.71**	**ug/L**	**86**	**11**	**SW846 8330**
RDX	**2.00**	**2.06**	**ug/L**	**103**		**SW846 8330**
	2.00	**2.19**	**ug/L**	**110**	**6.4**	**SW846 8330**
Tetryl	**2.00**	**2.32**	**ug/L**	**116**		**SW846 8330**
	2.00	**2.16**	**ug/L**	**108**	**7.5**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**2.03**	**ug/L**	**102**		**SW846 8330**
	2.00	**1.89**	**ug/L**	**95**	**7.1**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.07**	**ug/L**	**103**		**SW846 8330**
	2.00	**1.96**	**ug/L**	**98**	**5.4**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DM-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DN-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 06:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**85**	**(75 - 115)**			**SW846 8330**
	90	**(75 - 115)**	**4.6**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**75**	**(57 - 115)**			**SW846 8330**
	80	**(57 - 115)**	**5.8**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**99**	**(78 - 115)**			**SW846 8330**
	103	**(78 - 115)**	**2.5**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**103**	**(75 - 115)**			**SW846 8330**
	107	**(75 - 115)**	**3.0**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**104**	**(77 - 115)**			**SW846 8330**
	107	**(77 - 115)**	**1.8**	**(0-20)**	**SW846 8330**
HMX	**99**	**(78 - 115)**			**SW846 8330**
	101	**(78 - 115)**	**0.65**	**(0-26)**	**SW846 8330**
Nitrobenzene	**94**	**(51 - 115)**			**SW846 8330**
	96	**(51 - 115)**	**1.9**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**88**	**(35 - 115)**			**SW846 8330**
	90	**(35 - 115)**	**2.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**101**	**(30 - 115)**			**SW846 8330**
	109	**(30 - 115)**	**6.0**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**97**	**(40 - 115)**			**SW846 8330**
	102	**(40 - 115)**	**3.2**	**(0-44)**	**SW846 8330**
RDX	**91**	**(69 - 118)**			**SW846 8330**
	98	**(69 - 118)**	**6.4**	**(0-37)**	**SW846 8330**
Tetryl	**113**	**(69 - 127)**			**SW846 8330**
	118	**(69 - 127)**	**2.6**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**96**	**(73 - 122)**			**SW846 8330**
	100	**(73 - 122)**	**2.3**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**101**	**(73 - 116)**			**SW846 8330**
	105	**(73 - 116)**	**2.3**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DM-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DN-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 06:36
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**ND**	**1.99**	**1.68**	**ug/L**	**85**		**SW846 8330**
	ND	**1.97**	**1.76**	**ug/L**	**90**	**4.6**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**ND**	**1.99**	**1.49**	**ug/L**	**75**		**SW846 8330**
	ND	**1.97**	**1.58**	**ug/L**	**80**	**5.8**	**SW846 8330**
1,3-Dinitrobenzene	**ND**	**1.99**	**1.98**	**ug/L**	**99**		**SW846 8330**
	ND	**1.97**	**2.03**	**ug/L**	**103**	**2.5**	**SW846 8330**
2,4-Dinitrotoluene	**ND**	**1.99**	**2.05**	**ug/L**	**103**		**SW846 8330**
	ND	**1.97**	**2.11**	**ug/L**	**107**	**3.0**	**SW846 8330**
2,6-Dinitrotoluene	**ND**	**1.99**	**2.07**	**ug/L**	**104**		**SW846 8330**
	ND	**1.97**	**2.11**	**ug/L**	**107**	**1.8**	**SW846 8330**
HMX	**ND**	**1.99**	**1.97**	**ug/L**	**99**		**SW846 8330**
	ND	**1.97**	**1.98**	**ug/L**	**101**	**0.65**	**SW846 8330**
Nitrobenzene	**ND**	**1.99**	**1.86**	**ug/L**	**94**		**SW846 8330**
	ND	**1.97**	**1.90**	**ug/L**	**96**	**1.9**	**SW846 8330**
2-Nitrotoluene	**ND**	**1.99**	**1.74**	**ug/L**	**88**		**SW846 8330**
	ND	**1.97**	**1.78**	**ug/L**	**90**	**2.0**	**SW846 8330**
3-Nitrotoluene	**ND**	**1.99**	**2.01**	**ug/L**	**101**		**SW846 8330**
	ND	**1.97**	**2.14**	**ug/L**	**109**	**6.0**	**SW846 8330**
4-Nitrotoluene	**ND**	**1.99**	**1.94**	**ug/L**	**97**		**SW846 8330**
	ND	**1.97**	**2.00**	**ug/L**	**102**	**3.2**	**SW846 8330**
RDX	**ND**	**1.99**	**1.81**	**ug/L**	**91**		**SW846 8330**
	ND	**1.97**	**1.93**	**ug/L**	**98**	**6.4**	**SW846 8330**
Tetryl	**ND**	**1.99**	**2.25**	**ug/L**	**113**		**SW846 8330**
	ND	**1.97**	**2.31**	**ug/L**	**118**	**2.6**	**SW846 8330**
1,3,5-Trinitrobenzene	**ND**	**1.99**	**1.92**	**ug/L**	**96**		**SW846 8330**
	ND	**1.97**	**1.96**	**ug/L**	**100**	**2.3**	**SW846 8330**
2,4,6-Trinitrotoluene	**ND**	**1.99**	**2.02**	**ug/L**	**101**		**SW846 8330**
	ND	**1.97**	**2.07**	**ug/L**	**105**	**2.3**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J050000-246 **Prep Batch #...:** 7278246						
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AF
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AJ
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AK
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AM
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AN
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Cobalt	**0.016 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4E1AA**
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AC
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AQ
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AD
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AP
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AE
		Dilution Factor: 1				
		Analysis Time..: 00:39				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**2.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4E1AR**
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AL
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AG
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Zinc	**2.8 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4E1AH**
		Dilution Factor: 1				
		Analysis Time..: 00:39				

MB Lot-Sample #: D7J050000-247 **Prep Batch #...:** 7278247

Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AL
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AP
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AQ
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AA
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AC
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Cobalt	**0.011 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4J1AG**
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AH
		Dilution Factor: 1				
		Analysis Time..: 02:35				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AE
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AJ
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AD
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AK
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4J1AF**
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AR
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AM
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Zinc	**3.1 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4J1AN**
		Dilution Factor: 1				
		Analysis Time..: 02:35				

MB Lot-Sample #: D7J050000-248 **Prep Batch #...:** 7278248

Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AL
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AP
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AQ
		Dilution Factor: 1				
		Analysis Time..: 04:56				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AA
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AC
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Cobalt	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AG
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AH
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AE
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AJ
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AD
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AK
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AF
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AR
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AM
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Zinc	**2.7 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4M1AN**
		Dilution Factor: 1				
		Analysis Time..: 04:56				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J050000-272 **Prep Batch #...:** 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A651AA
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8A651AD
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A651AE
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A651AC
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A651AG
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8A651AF
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8A651AH
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8A651AJ
		Dilution Factor: 1				
		Analysis Time..: 07:16				
MB Lot-Sample #: D7J050000-273 **Prep Batch #...:** 7278273						
Aluminum	**61 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8A691AA**
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8A691AD
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A691AE
		Dilution Factor: 1				
		Analysis Time..: 09:25				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A691AC
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A691AG
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8A691AF
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8A691AH
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8A691AJ
		Dilution Factor: 1				
		Analysis Time..: 09:25				

MB Lot-Sample #: D7J050000-274 **Prep Batch #...:** 7278274

Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AA
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AD
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AE
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AC
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AG
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AF
		Dilution Factor: 1				
		Analysis Time..: 16:51				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AH
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AJ
		Dilution Factor: 1				
		Analysis Time..: 16:51				

MB Lot-Sample #: D7J090000-361 **Prep Batch #...:** 7282361

Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AF
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AK
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AM
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AN
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Cobalt	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AA
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AC
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AD
		Dilution Factor: 1				
		Analysis Time..: 06:52				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AP
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AE
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AR
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AL
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AG
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Zinc	**2.6 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8JCX1AH**
		Dilution Factor: 1				
		Analysis Time..: 06:52				

MB Lot-Sample #: D7J090000-375 **Prep Batch #...:** 7282375

Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AA
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AD
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AE
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Iron	**28 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8JD31AC**
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AG
		Dilution Factor: 1				
		Analysis Time..: 04:42				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AF
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AH
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AJ
		Dilution Factor: 1				
		Analysis Time..: 04:42				
MB Lot-Sample #: D7J160000-215		**Prep Batch #...:** 7289215				
Mercury	**0.037 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J847A1AA**
		Dilution Factor: 1				
		Analysis Time..: 17:20				
MB Lot-Sample #: D7J160000-216		**Prep Batch #...:** 7289216				
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J847E1AA
		Dilution Factor: 1				
		Analysis Time..: 18:08				
MB Lot-Sample #: D7J160000-218		**Prep Batch #...:** 7289218				
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J847G1AA
		Dilution Factor: 1				
		Analysis Time..: 18:54				
MB Lot-Sample #: D7J170000-371		**Prep Batch #...:** 7290371				
Antimony	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AF
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AJ
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Barium	ND	1.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AK
		Dilution Factor: 1				
		Analysis Time..: 23:50				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	**0.064 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AM**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AN
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Cobalt	**0.010 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AA**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Copper	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AC
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Lead	**0.46 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AQ**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AD
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AP
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AE
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Selenium	**1.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AR**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AL
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AG
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Zinc	**3.2 B**	**10**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AH**
		Dilution Factor: 1				
		Analysis Time..: 23:50				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J170000-444 **Prep Batch #...:** 7290444						
Aluminum	**32 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J86M01AA**
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J86M01AD
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J86M01AE
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J86M01AC
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J86M01AG
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J86M01AF
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J86M01AH
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J86M01AJ
		Dilution Factor: 1				
		Analysis Time..: 03:41				
MB Lot-Sample #: D7J190000-394 **Prep Batch #...:** 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J9E0E1AA
		Dilution Factor: 1				
		Analysis Time..: 22:28				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Antimony	97	(71 - 128)			SW846 6020	10/23-10/26/07	7278246
	98	(71 - 128)	0.74	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Arsenic	105	(89 - 111)			SW846 6020	10/23-10/26/07	7278246
	107	(89 - 111)	2.1	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Barium	108	(89 - 117)			SW846 6020	10/23-10/26/07	7278246
	109	(89 - 117)	1.2	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Cadmium	98	(89 - 111)			SW846 6020	10/23-10/26/07	7278246
	98	(89 - 111)	0.10	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Chromium	121	(86 - 124)			SW846 6020	10/23-10/26/07	7278246
	121	(86 - 124)	0.24	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Cobalt	117	(92 - 120)			SW846 6020	10/23-10/26/07	7278246
	119	(92 - 120)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Copper	108	(90 - 117)			SW846 6020	10/23-10/26/07	7278246
	108	(90 - 117)	0.53	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Lead	99	(88 - 119)			SW846 6020	10/23-10/26/07	7278246
	101	(88 - 119)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Manganese	119	(87 - 124)			SW846 6020	10/23-10/26/07	7278246
	118	(87 - 124)	0.99	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Molybdenum	109	(89 - 112)			SW846 6020	10/23-10/26/07	7278246
	111	(89 - 112)	1.9	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	112	(86 - 119)			SW846 6020	10/23-10/26/07	7278246
	112	(86 - 119)	0.29	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Selenium	105	(82 - 114)			SW846 6020	10/23-10/26/07	7278246
	105	(82 - 114)	0.07	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Silver	106	(90 - 114)			SW846 6020	10/23-10/26/07	7278246
	106	(90 - 114)	0.14	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Thallium	104	(86 - 124)			SW846 6020	10/23-10/26/07	7278246
	106	(86 - 124)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Zinc	104	(88 - 118)			SW846 6020	10/23-10/26/07	7278246
	107	(88 - 118)	2.7	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Antimony	95	(71 - 128)			SW846 6020	10/23-10/26/07	7278247
	94	(71 - 128)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Arsenic	101	(89 - 111)			SW846 6020	10/23-10/26/07	7278247
	100	(89 - 111)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Barium	103	(89 - 117)			SW846 6020	10/23-10/26/07	7278247
	104	(89 - 117)	0.41	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Cadmium	97	(89 - 111)			SW846 6020	10/23-10/26/07	7278247
	97	(89 - 111)	0.02	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Chromium	118	(86 - 124)			SW846 6020	10/23-10/26/07	7278247
	117	(86 - 124)	0.44	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Cobalt	115	(92 - 120)			SW846 6020	10/23-10/26/07	7278247
	111	(92 - 120)	3.3	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Copper	105	(90 - 117)			SW846 6020	10/23-10/26/07	7278247
	103	(90 - 117)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Lead	98	(88 - 119)			SW846 6020	10/23-10/26/07	7278247
	96	(88 - 119)	1.8	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Manganese	116	(87 - 124)			SW846 6020	10/23-10/26/07	7278247
	114	(87 - 124)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Molybdenum	106	(89 - 112)			SW846 6020	10/23-10/26/07	7278247
	107	(89 - 112)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Nickel	109	(86 - 119)			SW846 6020	10/23-10/26/07	7278247
	107	(86 - 119)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Selenium	101	(82 - 114)			SW846 6020	10/23-10/26/07	7278247
	100	(82 - 114)	0.94	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Silver	104	(90 - 114)			SW846 6020	10/23-10/26/07	7278247
	104	(90 - 114)	0.12	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Thallium	101	(86 - 124)			SW846 6020	10/23-10/26/07	7278247
	102	(86 - 124)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Zinc	99	(88 - 118)			SW846 6020	10/23-10/26/07	7278247
	102	(88 - 118)	3.8	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Antimony	98	(71 - 128)			SW846 6020	10/23-10/26/07	7278248
	99	(71 - 128)	1.3	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Arsenic	100	(89 - 111)			SW846 6020	10/23-10/26/07	7278248
	101	(89 - 111)	1.3	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Barium	106	(89 - 117)			SW846 6020	10/23-10/26/07	7278248
	108	(89 - 117)	1.9	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Cadmium	102	(89 - 111)			SW846 6020	10/23-10/26/07	7278248
	103	(89 - 111)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Chromium	113	(86 - 124)			SW846 6020	10/23-10/26/07	7278248
	114	(86 - 124)	1.1	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Cobalt	110	(92 - 120)			SW846 6020	10/23-10/26/07	7278248
	112	(92 - 120)	1.3	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Copper	105	(90 - 117)			SW846 6020	10/23-10/26/07	7278248
	106	(90 - 117)	0.87	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Lead	104	(88 - 119)			SW846 6020	10/23-10/26/07	7278248
	105	(88 - 119)	0.64	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Manganese	113	(87 - 124)			SW846 6020	10/23-10/26/07	7278248
	115	(87 - 124)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Molybdenum	105	(89 - 112)			SW846 6020	10/23-10/26/07	7278248
	106	(89 - 112)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	107	(86 - 119)			SW846 6020	10/23-10/26/07	7278248
	109	(86 - 119)	1.2	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Selenium	98	(82 - 114)			SW846 6020	10/23-10/26/07	7278248
	100	(82 - 114)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Silver	103	(90 - 114)			SW846 6020	10/23-10/26/07	7278248
	105	(90 - 114)	1.5	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Thallium	107	(86 - 124)			SW846 6020	10/23-10/26/07	7278248
	108	(86 - 124)	0.58	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Zinc	107	(88 - 118)			SW846 6020	10/23-10/26/07	7278248
	109	(88 - 118)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Aluminum	92	(87 - 111)			SW846 6010B	10/23-10/24/07	7278272
	92	(87 - 111)	0.34	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Beryllium	101	(89 - 113)			SW846 6010B	10/23-10/24/07	7278272
	102	(89 - 113)	1.2	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Calcium	105	(90 - 111)			SW846 6010B	10/23-10/24/07	7278272
	106	(90 - 111)	1.4	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Iron	104	(89 - 115)			SW846 6010B	10/23-10/24/07	7278272
	106	(89 - 115)	1.1	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Magnesium	102	(90 - 113)			SW846 6010B	10/23-10/24/07	7278272
	103	(90 - 113)	1.4	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Potassium	106	(89 - 114)			SW846 6010B	10/23-10/24/07	7278272
	106	(89 - 114)	0.57	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Sodium	108	(90 - 115)			SW846 6010B	10/23-10/24/07	7278272
	109	(90 - 115)	0.91	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Vanadium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7278272
	103	(90 - 111)	0.98	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Aluminum	95	(87 - 111)			SW846 6010B	10/23-10/24/07	7278273
	95	(87 - 111)	0.37	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Beryllium	101	(89 - 113)			SW846 6010B	10/23-10/24/07	7278273
	102	(89 - 113)	0.57	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Calcium	104	(90 - 111)			SW846 6010B	10/23-10/24/07	7278273
	105	(90 - 111)	0.30	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Iron	108	(89 - 115)			SW846 6010B	10/23-10/24/07	7278273
	104	(89 - 115)	4.4	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Magnesium	102	(90 - 113)			SW846 6010B	10/23-10/24/07	7278273
	102	(90 - 113)	0.31	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Potassium	105	(89 - 114)			SW846 6010B	10/23-10/24/07	7278273
	106	(89 - 114)	0.85	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Sodium	107	(90 - 115)			SW846 6010B	10/23-10/24/07	7278273
	108	(90 - 115)	1.1	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Vanadium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7278273
	104	(90 - 111)	1.2	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Aluminum	98	(87 - 111)			SW846 6010B	10/23-10/24/07	7278274
	98	(87 - 111)	0.01	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Beryllium	102	(89 - 113)			SW846 6010B	10/23-10/24/07	7278274
	102	(89 - 113)	0.17	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Calcium	104	(90 - 111)			SW846 6010B	10/23-10/24/07	7278274
	104	(90 - 111)	0.10	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Iron	103	(89 - 115)			SW846 6010B	10/23-10/24/07	7278274
	102	(89 - 115)	1.1	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Magnesium	103	(90 - 113)			SW846 6010B	10/23-10/24/07	7278274
	103	(90 - 113)	0.03	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Potassium	104	(89 - 114)			SW846 6010B	10/23-10/24/07	7278274
	103	(89 - 114)	0.50	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Sodium	106	(90 - 115)			SW846 6010B	10/23-10/24/07	7278274
	105	(90 - 115)	0.38	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Vanadium	103	(90 - 111)			SW846 6010B	10/23-10/24/07	7278274
	102	(90 - 111)	0.48	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Antimony	99	(71 - 128)			SW846 6020	10/23-10/26/07	7282361
	98	(71 - 128)	1.9	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	102	(89 - 111)			SW846 6020	10/23-10/26/07	7282361
	99	(89 - 111)	2.1	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Barium	107	(89 - 117)			SW846 6020	10/23-10/26/07	7282361
	106	(89 - 117)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Cadmium	103	(89 - 111)			SW846 6020	10/23-10/26/07	7282361
	101	(89 - 111)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Chromium	113	(86 - 124)			SW846 6020	10/23-10/26/07	7282361
	111	(86 - 124)	1.8	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Cobalt	110	(92 - 120)			SW846 6020	10/23-10/26/07	7282361
	108	(92 - 120)	2.4	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Copper	105	(90 - 117)			SW846 6020	10/23-10/26/07	7282361
	103	(90 - 117)	2.1	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Lead	105	(88 - 119)			SW846 6020	10/23-10/26/07	7282361
	104	(88 - 119)	0.83	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Manganese	113	(87 - 124)			SW846 6020	10/23-10/26/07	7282361
	111	(87 - 124)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Molybdenum	107	(89 - 112)			SW846 6020	10/23-10/26/07	7282361
	103	(89 - 112)	3.5	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Nickel	106	(86 - 119)			SW846 6020	10/23-10/26/07	7282361
	104	(86 - 119)	2.5	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Selenium	99	(82 - 114)			SW846 6020	10/23-10/26/07	7282361
	97	(82 - 114)	2.2	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Silver	103	(90 - 114)			SW846 6020	10/23-10/26/07	7282361
	101	(90 - 114)	2.3	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Thallium	109	(86 - 124)			SW846 6020	10/23-10/26/07	7282361
	108	(86 - 124)	1.5	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Zinc	108	(88 - 118)			SW846 6020	10/23-10/26/07	7282361
	109	(88 - 118)	0.29	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Aluminum	90	(87 - 111)			SW846 6010B	10/23-10/24/07	7282375
	95	(87 - 111)	5.1	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Beryllium	98	(89 - 113)			SW846 6010B	10/23-10/24/07	7282375
	102	(89 - 113)	3.4	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Calcium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7282375
	105	(90 - 111)	2.7	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Iron	101	(89 - 115)			SW846 6010B	10/23-10/24/07	7282375
	104	(89 - 115)	3.0	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Magnesium	99	(90 - 113)			SW846 6010B	10/23-10/24/07	7282375
	102	(90 - 113)	2.9	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Potassium	102	(89 - 114)			SW846 6010B	10/23-10/24/07	7282375
	107	(89 - 114)	4.6	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Sodium	104	(90 - 115)			SW846 6010B	10/23-10/24/07	7282375
	108	(90 - 115)	3.8	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Vanadium	99	(90 - 111)			SW846 6010B	10/23-10/24/07	7282375
	103	(90 - 111)	3.3	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Mercury	98	(88 - 111)			SW846 7470A	10/22-10/23/07	7289215
	99	(88 - 111)	1.2	(0-10)	SW846 7470A	10/22-10/23/07	7289215
		Dilution Factor: 1			Analysis Time..: 17:21		
Mercury	94	(88 - 111)			SW846 7470A	10/22-10/23/07	7289216
	98	(88 - 111)	4.5	(0-10)	SW846 7470A	10/22-10/23/07	7289216
		Dilution Factor: 1			Analysis Time..: 18:09		
Mercury	95	(88 - 111)			SW846 7470A	10/22-10/23/07	7289218
	93	(88 - 111)	2.0	(0-10)	SW846 7470A	10/22-10/23/07	7289218
		Dilution Factor: 1			Analysis Time..: 18:59		
Antimony	109	(71 - 128)			SW846 6020	10/23-11/08/07	7290371
	106	(71 - 128)	3.0	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Arsenic	104	(89 - 111)			SW846 6020	10/23-11/08/07	7290371
	102	(89 - 111)	2.7	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Barium	110	(89 - 117)			SW846 6020	10/23-11/08/07	7290371
	110	(89 - 117)	0.52	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Cadmium	108	(89 - 111)			SW846 6020	10/23-11/08/07	7290371
	106	(89 - 111)	1.8	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Chromium	111	(86 - 124)			SW846 6020	10/23-11/08/07	7290371
	118	(86 - 124)	6.2	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Cobalt	111	(92 - 120)			SW846 6020	10/23-11/08/07	7290371
	113	(92 - 120)	1.8	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Copper	112	(90 - 117)			SW846 6020	10/23-11/08/07	7290371
	112	(90 - 117)	0.46	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Lead	108	(88 - 119)			SW846 6020	10/23-11/08/07	7290371
	108	(88 - 119)	0.53	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Manganese	111	(87 - 124)			SW846 6020	10/23-11/08/07	7290371
	115	(87 - 124)	3.3	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Molybdenum	109	(89 - 112)			SW846 6020	10/23-11/08/07	7290371
	110	(89 - 112)	0.86	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Nickel	106	(86 - 119)			SW846 6020	10/23-11/08/07	7290371
	109	(86 - 119)	2.3	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Selenium	105	(82 - 114)			SW846 6020	10/23-11/08/07	7290371
	101	(82 - 114)	3.6	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Silver	110	(90 - 114)			SW846 6020	10/23-11/08/07	7290371
	112	(90 - 114)	1.4	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Thallium	111	(86 - 124)			SW846 6020	10/23-11/08/07	7290371
	111	(86 - 124)	0.02	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Zinc	114	(88 - 118)			SW846 6020	10/23-11/08/07	7290371
	109	(88 - 118)	4.3	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Aluminum	91	(87 - 111)			SW846 6010B	10/23-10/24/07	7290444
	93	(87 - 111)	2.5	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Beryllium	99	(89 - 113)			SW846 6010B	10/23-10/24/07	7290444
	102	(89 - 113)	3.1	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Calcium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7290444
	106	(90 - 111)	3.2	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Iron	101	(89 - 115)			SW846 6010B	10/23-10/24/07	7290444
	105	(89 - 115)	4.0	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Magnesium	100	(90 - 113)			SW846 6010B	10/23-10/24/07	7290444
	103	(90 - 113)	2.9	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Potassium	103	(89 - 114)			SW846 6010B	10/23-10/24/07	7290444
	107	(89 - 114)	3.5	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Sodium	105	(90 - 115)			SW846 6010B	10/23-10/24/07	7290444
	108	(90 - 115)	2.9	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Vanadium	99	(90 - 111)			SW846 6010B	10/23-10/24/07	7290444
	103	(90 - 111)	3.1	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Mercury	97	(88 - 111)			SW846 7470A	10/30/07	7292394
	96	(88 - 111)	0.53	(0-10)	SW846 7470A	10/30/07	7292394
		Dilution Factor: 1			Analysis Time..: 22:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Antimony	40.0	38.8	ug/L	97		SW846 6020	10/23-10/26/07	7278246
	40.0	39.1	ug/L	98	0.74	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Arsenic	40.0	42.0	ug/L	105		SW846 6020	10/23-10/26/07	7278246
	40.0	42.9	ug/L	107	2.1	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Barium	40.0	43.1	ug/L	108		SW846 6020	10/23-10/26/07	7278246
	40.0	43.6	ug/L	109	1.2	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Cadmium	40.0	39.4	ug/L	98		SW846 6020	10/23-10/26/07	7278246
	40.0	39.3	ug/L	98	0.10	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Chromium	40.0	48.4	ug/L	121		SW846 6020	10/23-10/26/07	7278246
	40.0	48.3	ug/L	121	0.24	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Cobalt	40.0	46.8	ug/L	117		SW846 6020	10/23-10/26/07	7278246
	40.0	47.6	ug/L	119	1.7	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Copper	40.0	43.1	ug/L	108		SW846 6020	10/23-10/26/07	7278246
	40.0	43.3	ug/L	108	0.53	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Lead	40.0	39.6	ug/L	99		SW846 6020	10/23-10/26/07	7278246
	40.0	40.3	ug/L	101	1.6	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Manganese	40.0	47.6	ug/L	119		SW846 6020	10/23-10/26/07	7278246
	40.0	47.2	ug/L	118	0.99	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Molybdenum	40.0	43.6	ug/L	109		SW846 6020	10/23-10/26/07	7278246
	40.0	44.5	ug/L	111	1.9	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	40.0	44.9	ug/L	112		SW846 6020	10/23-10/26/07	7278246
	40.0	44.8	ug/L	112	0.29	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Selenium	40.0	42.1	ug/L	105		SW846 6020	10/23-10/26/07	7278246
	40.0	42.2	ug/L	105	0.07	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Silver	40.0	42.3	ug/L	106		SW846 6020	10/23-10/26/07	7278246
	40.0	42.2	ug/L	106	0.14	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Thallium	40.0	41.5	ug/L	104		SW846 6020	10/23-10/26/07	7278246
	40.0	42.2	ug/L	106	1.6	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Zinc	40.0	41.6	ug/L	104		SW846 6020	10/23-10/26/07	7278246
	40.0	42.7	ug/L	107	2.7	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Antimony	40.0	38.2	ug/L	95		SW846 6020	10/23-10/26/07	7278247
	40.0	37.8	ug/L	94	1.0	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Arsenic	40.0	40.6	ug/L	101		SW846 6020	10/23-10/26/07	7278247
	40.0	39.9	ug/L	100	1.7	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Barium	40.0	41.3	ug/L	103		SW846 6020	10/23-10/26/07	7278247
	40.0	41.5	ug/L	104	0.41	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Cadmium	40.0	38.8	ug/L	97		SW846 6020	10/23-10/26/07	7278247
	40.0	38.8	ug/L	97	0.02	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Chromium	40.0	47.0	ug/L	118		SW846 6020	10/23-10/26/07	7278247
	40.0	46.8	ug/L	117	0.44	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cobalt	40.0	46.1	ug/L	115		SW846 6020	10/23-10/26/07	7278247
	40.0	44.6	ug/L	111	3.3	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Copper	40.0	42.0	ug/L	105		SW846 6020	10/23-10/26/07	7278247
	40.0	41.3	ug/L	103	1.6	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Lead	40.0	39.3	ug/L	98		SW846 6020	10/23-10/26/07	7278247
	40.0	38.6	ug/L	96	1.8	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Manganese	40.0	46.4	ug/L	116		SW846 6020	10/23-10/26/07	7278247
	40.0	45.7	ug/L	114	1.4	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Molybdenum	40.0	42.5	ug/L	106		SW846 6020	10/23-10/26/07	7278247
	40.0	43.0	ug/L	107	1.0	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Nickel	40.0	43.6	ug/L	109		SW846 6020	10/23-10/26/07	7278247
	40.0	42.9	ug/L	107	1.4	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Selenium	40.0	40.4	ug/L	101		SW846 6020	10/23-10/26/07	7278247
	40.0	40.0	ug/L	100	0.94	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Silver	40.0	41.5	ug/L	104		SW846 6020	10/23-10/26/07	7278247
	40.0	41.5	ug/L	104	0.12	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Thallium	40.0	40.5	ug/L	101		SW846 6020	10/23-10/26/07	7278247
	40.0	40.9	ug/L	102	1.0	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Zinc	40.0	39.4	ug/L	99		SW846 6020	10/23-10/26/07	7278247
	40.0	41.0	ug/L	102	3.8	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Antimony	40.0	39.2	ug/L	98		SW846 6020	10/23-10/26/07	7278248
	40.0	39.7	ug/L	99	1.3	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Arsenic	40.0	40.0	ug/L	100		SW846 6020	10/23-10/26/07	7278248
	40.0	40.5	ug/L	101	1.3	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Barium	40.0	42.4	ug/L	106		SW846 6020	10/23-10/26/07	7278248
	40.0	43.2	ug/L	108	1.9	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Cadmium	40.0	40.7	ug/L	102		SW846 6020	10/23-10/26/07	7278248
	40.0	41.1	ug/L	103	1.0	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Chromium	40.0	45.1	ug/L	113		SW846 6020	10/23-10/26/07	7278248
	40.0	45.6	ug/L	114	1.1	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Cobalt	40.0	44.2	ug/L	110		SW846 6020	10/23-10/26/07	7278248
	40.0	44.8	ug/L	112	1.3	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Copper	40.0	42.2	ug/L	105		SW846 6020	10/23-10/26/07	7278248
	40.0	42.6	ug/L	106	0.87	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Lead	40.0	41.6	ug/L	104		SW846 6020	10/23-10/26/07	7278248
	40.0	41.8	ug/L	105	0.64	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Manganese	40.0	45.2	ug/L	113		SW846 6020	10/23-10/26/07	7278248
	40.0	45.8	ug/L	115	1.4	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Molybdenum	40.0	42.1	ug/L	105		SW846 6020	10/23-10/26/07	7278248
	40.0	42.5	ug/L	106	1.0	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	40.0	42.9	ug/L	107		SW846 6020	10/23-10/26/07	7278248
	40.0	43.4	ug/L	109	1.2	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Selenium	40.0	39.3	ug/L	98		SW846 6020	10/23-10/26/07	7278248
	40.0	39.9	ug/L	100	1.6	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Silver	40.0	41.3	ug/L	103		SW846 6020	10/23-10/26/07	7278248
	40.0	42.0	ug/L	105	1.5	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Thallium	40.0	42.8	ug/L	107		SW846 6020	10/23-10/26/07	7278248
	40.0	43.1	ug/L	108	0.58	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Zinc	40.0	43.0	ug/L	107		SW846 6020	10/23-10/26/07	7278248
	40.0	43.6	ug/L	109	1.4	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Aluminum	2000	1840	ug/L	92		SW846 6010B	10/23-10/24/07	7278272
	2000	1850	ug/L	92	0.34	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Beryllium	50.0	50.4	ug/L	101		SW846 6010B	10/23-10/24/07	7278272
	50.0	51.0	ug/L	102	1.2	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Calcium	50000	52300	ug/L	105		SW846 6010B	10/23-10/24/07	7278272
	50000	53000	ug/L	106	1.4	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Iron	1000	1040	ug/L	104		SW846 6010B	10/23-10/24/07	7278272
	1000	1060	ug/L	106	1.1	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Magnesium	50000	50900	ug/L	102		SW846 6010B	10/23-10/24/07	7278272
	50000	51600	ug/L	103	1.4	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Potassium	50000	52900	ug/L	106		SW846 6010B	10/23-10/24/07	7278272
	50000	53200	ug/L	106	0.57	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Sodium	50000	53800	ug/L	108		SW846 6010B	10/23-10/24/07	7278272
	50000	54300	ug/L	109	0.91	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Vanadium	500	509	ug/L	102		SW846 6010B	10/23-10/24/07	7278272
	500	514	ug/L	103	0.98	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Aluminum	2000	1900	ug/L	95		SW846 6010B	10/23-10/24/07	7278273
	2000	1900	ug/L	95	0.37	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Beryllium	50.0	50.7	ug/L	101		SW846 6010B	10/23-10/24/07	7278273
	50.0	51.0	ug/L	102	0.57	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Calcium	50000	52200	ug/L	104		SW846 6010B	10/23-10/24/07	7278273
	50000	52300	ug/L	105	0.30	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Iron	1000	1080	ug/L	108		SW846 6010B	10/23-10/24/07	7278273
	1000	1040	ug/L	104	4.4	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Magnesium	50000	51000	ug/L	102		SW846 6010B	10/23-10/24/07	7278273
	50000	51200	ug/L	102	0.31	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Potassium	50000	52300	ug/L	105		SW846 6010B	10/23-10/24/07	7278273
	50000	52800	ug/L	106	0.85	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Sodium	50000	53400	ug/L	107		SW846 6010B	10/23-10/24/07	7278273
	50000	54000	ug/L	108	1.1	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Vanadium	500	512	ug/L	102		SW846 6010B	10/23-10/24/07	7278273
	500	518	ug/L	104	1.2	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Aluminum	2000	1960	ug/L	98		SW846 6010B	10/23-10/24/07	7278274
	2000	1960	ug/L	98	0.01	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Beryllium	50.0	51.2	ug/L	102		SW846 6010B	10/23-10/24/07	7278274
	50.0	51.1	ug/L	102	0.17	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Calcium	50000	52200	ug/L	104		SW846 6010B	10/23-10/24/07	7278274
	50000	52200	ug/L	104	0.10	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Iron	1000	1030	ug/L	103		SW846 6010B	10/23-10/24/07	7278274
	1000	1020	ug/L	102	1.1	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Magnesium	50000	51300	ug/L	103		SW846 6010B	10/23-10/24/07	7278274
	50000	51300	ug/L	103	0.03	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Potassium	50000	51800	ug/L	104		SW846 6010B	10/23-10/24/07	7278274
	50000	51600	ug/L	103	0.50	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Sodium	50000	52900	ug/L	106		SW846 6010B	10/23-10/24/07	7278274
	50000	52700	ug/L	105	0.38	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Vanadium	500	515	ug/L	103		SW846 6010B	10/23-10/24/07	7278274
	500	512	ug/L	102	0.48	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Antimony	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	7282361
	40.0	39.0	ug/L	98	1.9	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	40.0	40.6	ug/L	102		SW846 6020	10/23-10/26/07	7282361
	40.0	39.8	ug/L	99	2.1	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Barium	40.0	43.0	ug/L	107		SW846 6020	10/23-10/26/07	7282361
	40.0	42.2	ug/L	106	1.7	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Cadmium	40.0	41.1	ug/L	103		SW846 6020	10/23-10/26/07	7282361
	40.0	40.4	ug/L	101	1.6	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Chromium	40.0	45.0	ug/L	113		SW846 6020	10/23-10/26/07	7282361
	40.0	44.2	ug/L	111	1.8	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Cobalt	40.0	44.1	ug/L	110		SW846 6020	10/23-10/26/07	7282361
	40.0	43.0	ug/L	108	2.4	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Copper	40.0	42.0	ug/L	105		SW846 6020	10/23-10/26/07	7282361
	40.0	41.1	ug/L	103	2.1	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Lead	40.0	42.1	ug/L	105		SW846 6020	10/23-10/26/07	7282361
	40.0	41.8	ug/L	104	0.83	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Manganese	40.0	45.2	ug/L	113		SW846 6020	10/23-10/26/07	7282361
	40.0	44.4	ug/L	111	1.7	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Molybdenum	40.0	42.6	ug/L	107		SW846 6020	10/23-10/26/07	7282361
	40.0	41.2	ug/L	103	3.5	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Nickel	40.0	42.6	ug/L	106		SW846 6020	10/23-10/26/07	7282361
	40.0	41.5	ug/L	104	2.5	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Selenium	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	7282361
	40.0	38.9	ug/L	97	2.2	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Silver	40.0	41.4	ug/L	103		SW846 6020	10/23-10/26/07	7282361
	40.0	40.4	ug/L	101	2.3	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Thallium	40.0	43.8	ug/L	109		SW846 6020	10/23-10/26/07	7282361
	40.0	43.1	ug/L	108	1.5	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Zinc	40.0	43.4	ug/L	108		SW846 6020	10/23-10/26/07	7282361
	40.0	43.5	ug/L	109	0.29	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Aluminum	2000	1800	ug/L	90		SW846 6010B	10/23-10/24/07	7282375
	2000	1890	ug/L	95	5.1	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Beryllium	50.0	49.1	ug/L	98		SW846 6010B	10/23-10/24/07	7282375
	50.0	50.8	ug/L	102	3.4	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Calcium	50000	51000	ug/L	102		SW846 6010B	10/23-10/24/07	7282375
	50000	52400	ug/L	105	2.7	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Iron	1000	1010	ug/L	101		SW846 6010B	10/23-10/24/07	7282375
	1000	1040	ug/L	104	3.0	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Magnesium	50000	49700	ug/L	99		SW846 6010B	10/23-10/24/07	7282375
	50000	51100	ug/L	102	2.9	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Potassium	50000	51100	ug/L	102		SW846 6010B	10/23-10/24/07	7282375
	50000	53400	ug/L	107	4.6	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sodium	50000	52100	ug/L	104		SW846 6010B	10/23-10/24/07	7282375
	50000	54100	ug/L	108	3.8	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1				Analysis Time..: 04:48		
Vanadium	500	497	ug/L	99		SW846 6010B	10/23-10/24/07	7282375
	500	513	ug/L	103	3.3	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1				Analysis Time..: 04:48		
Mercury	5.00	4.88	ug/L	98		SW846 7470A	10/22-10/23/07	7289215
	5.00	4.94	ug/L	99	1.2	SW846 7470A	10/22-10/23/07	7289215
		Dilution Factor: 1				Analysis Time..: 17:21		
Mercury	5.00	4.68	ug/L	94		SW846 7470A	10/22-10/23/07	7289216
	5.00	4.89	ug/L	98	4.5	SW846 7470A	10/22-10/23/07	7289216
		Dilution Factor: 1				Analysis Time..: 18:09		
Mercury	5.00	4.73	ug/L	95		SW846 7470A	10/22-10/23/07	7289218
	5.00	4.63	ug/L	93	2.0	SW846 7470A	10/22-10/23/07	7289218
		Dilution Factor: 1				Analysis Time..: 18:59		
Antimony	40.0	43.7	ug/L	109		SW846 6020	10/23-11/08/07	7290371
	40.0	42.4	ug/L	106	3.0	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1				Analysis Time..: 23:55		
Arsenic	40.0	41.7	ug/L	104		SW846 6020	10/23-11/08/07	7290371
	40.0	40.6	ug/L	102	2.7	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1				Analysis Time..: 23:55		
Barium	40.0	44.2	ug/L	110		SW846 6020	10/23-11/08/07	7290371
	40.0	43.9	ug/L	110	0.52	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1				Analysis Time..: 23:55		
Cadmium	40.0	43.2	ug/L	108		SW846 6020	10/23-11/08/07	7290371
	40.0	42.4	ug/L	106	1.8	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1				Analysis Time..: 23:55		
Chromium	40.0	44.4	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	47.2	ug/L	118	6.2	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1				Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cobalt	40.0	44.4	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	45.2	ug/L	113	1.8	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Copper	40.0	44.7	ug/L	112		SW846 6020	10/23-11/08/07	7290371
	40.0	44.9	ug/L	112	0.46	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Lead	40.0	43.1	ug/L	108		SW846 6020	10/23-11/08/07	7290371
	40.0	43.4	ug/L	108	0.53	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Manganese	40.0	44.4	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	45.9	ug/L	115	3.3	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Molybdenum	40.0	43.6	ug/L	109		SW846 6020	10/23-11/08/07	7290371
	40.0	43.9	ug/L	110	0.86	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Nickel	40.0	42.4	ug/L	106		SW846 6020	10/23-11/08/07	7290371
	40.0	43.4	ug/L	109	2.3	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Selenium	40.0	41.9	ug/L	105		SW846 6020	10/23-11/08/07	7290371
	40.0	40.4	ug/L	101	3.6	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Silver	40.0	44.0	ug/L	110		SW846 6020	10/23-11/08/07	7290371
	40.0	44.7	ug/L	112	1.4	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Thallium	40.0	44.5	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	44.5	ug/L	111	0.02	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Zinc	40.0	45.7	ug/L	114		SW846 6020	10/23-11/08/07	7290371
	40.0	43.8	ug/L	109	4.3	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Aluminum	2000	1820	ug/L	91		SW846 6010B	10/23-10/24/07	7290444
	2000	1860	ug/L	93	2.5	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Beryllium	50.0	49.5	ug/L	99		SW846 6010B	10/23-10/24/07	7290444
	50.0	51.0	ug/L	102	3.1	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Calcium	50000	51200	ug/L	102		SW846 6010B	10/23-10/24/07	7290444
	50000	52800	ug/L	106	3.2	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Iron	1000	1010	ug/L	101		SW846 6010B	10/23-10/24/07	7290444
	1000	1050	ug/L	105	4.0	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Magnesium	50000	50000	ug/L	100		SW846 6010B	10/23-10/24/07	7290444
	50000	51500	ug/L	103	2.9	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Potassium	50000	51500	ug/L	103		SW846 6010B	10/23-10/24/07	7290444
	50000	53300	ug/L	107	3.5	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Sodium	50000	52500	ug/L	105		SW846 6010B	10/23-10/24/07	7290444
	50000	54100	ug/L	108	2.9	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Vanadium	500	497	ug/L	99		SW846 6010B	10/23-10/24/07	7290444
	500	513	ug/L	103	3.1	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Mercury	5.00	4.84	ug/L	97		SW846 7470A	10/30/07	7292394
	5.00	4.82	ug/L	96	0.53	SW846 7470A	10/30/07	7292394
			Dilution Factor: 1			Analysis Time..: 22:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278246							
Antimony	98	(80 - 117)			SW846 6020	10/23-10/26/07	J78NV1CP
	100	(80 - 117)	2.5	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CQ
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Arsenic	106	(79 - 120)			SW846 6020	10/23-10/26/07	J78NV1CW
	109	(79 - 120)	2.5	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CX
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Barium	108	(83 - 118)			SW846 6020	10/23-10/26/07	J78NV1C0
	113	(83 - 118)	2.7	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C1
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Cadmium	97	(82 - 115)			SW846 6020	10/23-10/26/07	J78NV1C4
	100	(82 - 115)	3.3	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C5
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Chromium	116	(80 - 124)			SW846 6020	10/23-10/26/07	J78NV1C6
	119	(80 - 124)	2.9	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C7
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Cobalt	113	(83 - 119)			SW846 6020	10/23-10/26/07	J78NV1CF
	114	(83 - 119)	0.68	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CG
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Copper	99	(82 - 114)			SW846 6020	10/23-10/26/07	J78NV1CH
	102	(82 - 114)	2.2	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CJ
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Lead	96	(79 - 119)			SW846 6020	10/23-10/26/07	J78NV1DA
	98	(79 - 119)	2.0	(0-30)	SW846 6020	10/23-10/26/07	J78NV1DC
		Dilution Factor: 1					
		Analysis Time..: 01:08					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	114	(57 - 149)			SW846 6020	10/23-10/26/07	J78NV1CK
	118	(57 - 149)	2.9	(0-35)	SW846 6020	10/23-10/26/07	J78NV1CL
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Molybdenum	111	(87 - 120)			SW846 6020	10/23-10/26/07	J78NV1C8
	113	(87 - 120)	1.8	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C9
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Nickel	106	(76 - 119)			SW846 6020	10/23-10/26/07	J78NV1CM
	108	(76 - 119)	2.2	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CN
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Selenium	102	(64 - 134)			SW846 6020	10/23-10/26/07	J78NV1DD
	105	(64 - 134)	1.8	(0-35)	SW846 6020	10/23-10/26/07	J78NV1DE
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Silver	99	(20 - 120)			SW846 6020	10/23-10/26/07	J78NV1C2
	102	(20 - 120)	2.5	(0-40)	SW846 6020	10/23-10/26/07	J78NV1C3
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Thallium	99	(77 - 124)			SW846 6020	10/23-10/26/07	J78NV1CR
	104	(77 - 124)	5.0	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CT
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Zinc	95	(72 - 120)			SW846 6020	10/23-10/26/07	J78NV1CU
	97	(72 - 120)	2.6	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CV
		Dilution Factor: 1					
		Analysis Time..: 01:08					

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278272

Aluminum	89	(83 - 119)			SW846 6010B	10/23-10/24/07	J78NV1DF
	93	(83 - 119)	3.5	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DG
		Dilution Factor: 1					
		Analysis Time..: 07:42					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	100	(79 - 121)			SW846 6010B	10/23-10/24/07	J78NV1DK
	103	(79 - 121)	3.0	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DL
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Calcium	92	(48 - 153)			SW846 6010B	10/23-10/24/07	J78NV1DM
	101	(48 - 153)	3.0	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DN
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Iron	102	(52 - 155)			SW846 6010B	10/23-10/24/07	J78NV1DH
	105	(52 - 155)	2.8	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DJ
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Magnesium	98	(62 - 146)			SW846 6010B	10/23-10/24/07	J78NV1DR
	102	(62 - 146)	3.2	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DT
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Potassium	105	(76 - 132)			SW846 6010B	10/23-10/24/07	J78NV1DP
	109	(76 - 132)	3.5	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DQ
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Sodium	100	(70 - 203)			SW846 6010B	10/23-10/24/07	J78NV1DU
	106	(70 - 203)	2.8	(0-40)	SW846 6010B	10/23-10/24/07	J78NV1DV
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Vanadium	100	(85 - 120)			SW846 6010B	10/23-10/24/07	J78NV1DW
	104	(85 - 120)	3.6	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DX
		Dilution Factor: 1					
		Analysis Time..: 07:42					

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7289215

Mercury	96	(88 - 111)			SW846 7470A	10/22-10/23/07	J78NV1D3
	100	(88 - 111)	4.6	(0-10)	SW846 7470A	10/22-10/23/07	J78NV1D4
		Dilution Factor: 1					
		Analysis Time..: 17:26					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278246									
Antimony									
	ND	40.0	39.2	ug/L	98		SW846 6020	10/23-10/26/07	J78NV1CP
	ND	40.0	40.2	ug/L	100	2.5	SW846 6020	10/23-10/26/07	J78NV1CQ
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Arsenic									
	0.47	40.0	42.8	ug/L	106		SW846 6020	10/23-10/26/07	J78NV1CW
	0.47	40.0	43.9	ug/L	109	2.5	SW846 6020	10/23-10/26/07	J78NV1CX
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Barium									
	30	40.0	72.8	ug/L	108		SW846 6020	10/23-10/26/07	J78NV1C0
	30	40.0	74.8	ug/L	113	2.7	SW846 6020	10/23-10/26/07	J78NV1C1
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Cadmium									
	ND	40.0	38.9	ug/L	97		SW846 6020	10/23-10/26/07	J78NV1C4
	ND	40.0	40.2	ug/L	100	3.3	SW846 6020	10/23-10/26/07	J78NV1C5
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Chromium									
	ND	40.0	46.7	ug/L	116		SW846 6020	10/23-10/26/07	J78NV1C6
	ND	40.0	48.0	ug/L	119	2.9	SW846 6020	10/23-10/26/07	J78NV1C7
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Cobalt									
	0.14	40.0	45.4	ug/L	113		SW846 6020	10/23-10/26/07	J78NV1CF
	0.14	40.0	45.7	ug/L	114	0.68	SW846 6020	10/23-10/26/07	J78NV1CG
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Copper									
	ND	40.0	39.9	ug/L	99		SW846 6020	10/23-10/26/07	J78NV1CH
	ND	40.0	40.7	ug/L	102	2.2	SW846 6020	10/23-10/26/07	J78NV1CJ
			Dilution Factor: 1						
			Analysis Time..: 01:08						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	ND	40.0	38.5	ug/L	96		SW846 6020	10/23-10/26/07	J78NV1DA
	ND	40.0	39.3	ug/L	98	2.0	SW846 6020	10/23-10/26/07	J78NV1DC
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Manganese									
	ND	40.0	45.9	ug/L	114		SW846 6020	10/23-10/26/07	J78NV1CK
	ND	40.0	47.3	ug/L	118	2.9	SW846 6020	10/23-10/26/07	J78NV1CL
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Molybdenum									
	4.8	40.0	49.1	ug/L	111		SW846 6020	10/23-10/26/07	J78NV1C8
	4.8	40.0	50.0	ug/L	113	1.8	SW846 6020	10/23-10/26/07	J78NV1C9
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Nickel									
	1.0	40.0	43.3	ug/L	106		SW846 6020	10/23-10/26/07	J78NV1CM
	1.0	40.0	44.2	ug/L	108	2.2	SW846 6020	10/23-10/26/07	J78NV1CN
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Selenium									
	4.2	40.0	45.2	ug/L	102		SW846 6020	10/23-10/26/07	J78NV1DD
	4.2	40.0	46.0	ug/L	105	1.8	SW846 6020	10/23-10/26/07	J78NV1DE
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Silver									
	ND	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	J78NV1C2
	ND	40.0	40.7	ug/L	102	2.5	SW846 6020	10/23-10/26/07	J78NV1C3
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Thallium									
	ND	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	J78NV1CR
	ND	40.0	41.8	ug/L	104	5.0	SW846 6020	10/23-10/26/07	J78NV1CT
			Dilution Factor: 1						
			Analysis Time..: 01:08						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	3.0	40.0	40.8	ug/L	95		SW846 6020	10/23-10/26/07	J78NV1CU
	3.0	40.0	41.9	ug/L	97	2.6	SW846 6020	10/23-10/26/07	J78NV1CV
			Dilution Factor: 1						
			Analysis Time..: 01:08						

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278272

Aluminum									
	ND	2000	1790	ug/L	89		SW846 6010B	10/23-10/24/07	J78NV1DF
	ND	2000	1860	ug/L	93	3.5	SW846 6010B	10/23-10/24/07	J78NV1DG
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Beryllium									
	ND	50.0	50.0	ug/L	100		SW846 6010B	10/23-10/24/07	J78NV1DK
	ND	50.0	51.5	ug/L	103	3.0	SW846 6010B	10/23-10/24/07	J78NV1DL
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Calcium									
	90000	50000	137000	ug/L	92		SW846 6010B	10/23-10/24/07	J78NV1DM
	90000	50000	141000	ug/L	101	3.0	SW846 6010B	10/23-10/24/07	J78NV1DN
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Iron									
	ND	1000	1030	ug/L	102		SW846 6010B	10/23-10/24/07	J78NV1DH
	ND	1000	1060	ug/L	105	2.8	SW846 6010B	10/23-10/24/07	J78NV1DJ
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Magnesium									
	15000	50000	63800	ug/L	98		SW846 6010B	10/23-10/24/07	J78NV1DR
	15000	50000	65900	ug/L	102	3.2	SW846 6010B	10/23-10/24/07	J78NV1DT
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Potassium									
	2000	50000	54300	ug/L	105		SW846 6010B	10/23-10/24/07	J78NV1DP
	2000	50000	56300	ug/L	109	3.5	SW846 6010B	10/23-10/24/07	J78NV1DQ
			Dilution Factor: 1						
			Analysis Time..: 07:42						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	56000	50000	106000	ug/L	100		SW846 6010B	10/23-10/24/07	J78NV1DU
	56000	50000	109000	ug/L	106	2.8	SW846 6010B	10/23-10/24/07	J78NV1DV
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Vanadium									
	3.4	500	504	ug/L	100		SW846 6010B	10/23-10/24/07	J78NV1DW
	3.4	500	522	ug/L	104	3.6	SW846 6010B	10/23-10/24/07	J78NV1DX
			Dilution Factor: 1						
			Analysis Time..: 07:42						

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7289215

Mercury									
	ND	5.00	4.78	ug/L	96		SW846 7470A	10/22-10/23/07	J78NV1D3
	ND	5.00	5.01	ug/L	100	4.6	SW846 7470A	10/22-10/23/07	J78NV1D4
			Dilution Factor: 1						
			Analysis Time..: 17:26						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278247							
Antimony	100	(80 - 117)			SW846 6020	10/23-10/26/07	J78PT1C2
	100	(80 - 117)	0.47	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C3
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Arsenic	107	(79 - 120)			SW846 6020	10/23-10/26/07	J78PT1C8
	104	(79 - 120)	2.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C9
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Barium	109	(83 - 118)			SW846 6020	10/23-10/26/07	J78PT1DA
	106	(83 - 118)	1.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1DC
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Cadmium	101	(82 - 115)			SW846 6020	10/23-10/26/07	J78PT1CF
	99	(82 - 115)	1.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CG
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Chromium	118	(80 - 124)			SW846 6020	10/23-10/26/07	J78PT1CH
	116	(80 - 124)	2.0	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CJ
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Cobalt	114	(83 - 119)			SW846 6020	10/23-10/26/07	J78PT1CR
	111	(83 - 119)	3.2	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CT
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Copper	100	(82 - 114)			SW846 6020	10/23-10/26/07	J78PT1CU
	99	(82 - 114)	1.4	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CV
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Lead	98	(79 - 119)			SW846 6020	10/23-10/26/07	J78PT1CM
	95	(79 - 119)	2.3	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CN
		Dilution Factor: 1					
		Analysis Time..: 03:04					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	117	(57 - 149)			SW846 6020	10/23-10/26/07	J78PT1CW
	115	(57 - 149)	1.2	(0-35)	SW846 6020	10/23-10/26/07	J78PT1CX
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Molybdenum	112	(87 - 120)			SW846 6020	10/23-10/26/07	J78PT1CK
	112	(87 - 120)	0.26	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CL
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Nickel	107	(76 - 119)			SW846 6020	10/23-10/26/07	J78PT1C0
	104	(76 - 119)	2.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C1
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Selenium	103	(64 - 134)			SW846 6020	10/23-10/26/07	J78PT1CP
	102	(64 - 134)	0.85	(0-35)	SW846 6020	10/23-10/26/07	J78PT1CQ
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Silver	103	(20 - 120)			SW846 6020	10/23-10/26/07	J78PT1DD
	100	(20 - 120)	2.5	(0-40)	SW846 6020	10/23-10/26/07	J78PT1DE
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Thallium	105	(77 - 124)			SW846 6020	10/23-10/26/07	J78PT1C4
	102	(77 - 124)	2.3	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C5
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Zinc	106	(72 - 120)			SW846 6020	10/23-10/26/07	J78PT1C6
	101	(72 - 120)	5.0	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C7
		Dilution Factor: 1					
		Analysis Time..: 03:04					

MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278273

Aluminum	87	(83 - 119)			SW846 6010B	10/23-10/24/07	J78PT1DF
	93	(83 - 119)	7.3	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DG
		Dilution Factor: 1					
		Analysis Time..: 09:51					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	94	(79 - 121)			SW846 6010B	10/23-10/24/07	J78PT1DK
	100	(79 - 121)	6.8	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DL
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Calcium	95	(48 - 153)			SW846 6010B	10/23-10/24/07	J78PT1DM
	100	(48 - 153)	1.7	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DN
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Iron	76	(52 - 155)			SW846 6010B	10/23-10/24/07	J78PT1DH
	81	(52 - 155)	5.2	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DJ
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Magnesium	93	(62 - 146)			SW846 6010B	10/23-10/24/07	J78PT1DR
	99	(62 - 146)	5.0	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DT
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Potassium	98	(76 - 132)			SW846 6010B	10/23-10/24/07	J78PT1DP
	105	(76 - 132)	6.5	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DQ
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Sodium	99	(70 - 203)			SW846 6010B	10/23-10/24/07	J78PT1DU
	105	(70 - 203)	2.7	(0-40)	SW846 6010B	10/23-10/24/07	J78PT1DV
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Vanadium	95	(85 - 120)			SW846 6010B	10/23-10/24/07	J78PT1DW
	102	(85 - 120)	6.4	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DX
		Dilution Factor: 1					
		Analysis Time..: 09:51					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278247									
Antimony									
	ND	40.0	39.8	ug/L	100		SW846 6020	10/23-10/26/07	J78PT1C2
	ND	40.0	40.0	ug/L	100	0.47	SW846 6020	10/23-10/26/07	J78PT1C3
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Arsenic									
	0.28	40.0	43.1	ug/L	107		SW846 6020	10/23-10/26/07	J78PT1C8
	0.28	40.0	42.0	ug/L	104	2.6	SW846 6020	10/23-10/26/07	J78PT1C9
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Barium									
	35	40.0	78.6	ug/L	109		SW846 6020	10/23-10/26/07	J78PT1DA
	35	40.0	77.3	ug/L	106	1.6	SW846 6020	10/23-10/26/07	J78PT1DC
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Cadmium									
	ND	40.0	40.4	ug/L	101		SW846 6020	10/23-10/26/07	J78PT1CF
	ND	40.0	39.7	ug/L	99	1.6	SW846 6020	10/23-10/26/07	J78PT1CG
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Chromium									
	0.55	40.0	47.9	ug/L	118		SW846 6020	10/23-10/26/07	J78PT1CH
	0.55	40.0	47.0	ug/L	116	2.0	SW846 6020	10/23-10/26/07	J78PT1CJ
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Cobalt									
	0.13	40.0	45.8	ug/L	114		SW846 6020	10/23-10/26/07	J78PT1CR
	0.13	40.0	44.4	ug/L	111	3.2	SW846 6020	10/23-10/26/07	J78PT1CT
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Copper									
	ND	40.0	40.5	ug/L	100		SW846 6020	10/23-10/26/07	J78PT1CU
	ND	40.0	39.9	ug/L	99	1.4	SW846 6020	10/23-10/26/07	J78PT1CV
			Dilution Factor: 1						
			Analysis Time..: 03:04						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07 **Matrix.....:** WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	ND	40.0	39.0	ug/L	98		SW846 6020	10/23-10/26/07	J78PT1CM
	ND	40.0	38.1	ug/L	95	2.3	SW846 6020	10/23-10/26/07	J78PT1CN
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Manganese									
	ND	40.0	46.9	ug/L	117		SW846 6020	10/23-10/26/07	J78PT1CW
	ND	40.0	46.4	ug/L	115	1.2	SW846 6020	10/23-10/26/07	J78PT1CX
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Molybdenum									
	3.7	40.0	48.6	ug/L	112		SW846 6020	10/23-10/26/07	J78PT1CK
	3.7	40.0	48.4	ug/L	112	0.26	SW846 6020	10/23-10/26/07	J78PT1CL
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Nickel									
	1.1	40.0	43.7	ug/L	107		SW846 6020	10/23-10/26/07	J78PT1C0
	1.1	40.0	42.6	ug/L	104	2.6	SW846 6020	10/23-10/26/07	J78PT1C1
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Selenium									
	3.5	40.0	44.7	ug/L	103		SW846 6020	10/23-10/26/07	J78PT1CP
	3.5	40.0	44.3	ug/L	102	0.85	SW846 6020	10/23-10/26/07	J78PT1CQ
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Silver									
	ND	40.0	41.1	ug/L	103		SW846 6020	10/23-10/26/07	J78PT1DD
	ND	40.0	40.1	ug/L	100	2.5	SW846 6020	10/23-10/26/07	J78PT1DE
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Thallium									
	ND	40.0	41.8	ug/L	105		SW846 6020	10/23-10/26/07	J78PT1C4
	ND	40.0	40.8	ug/L	102	2.3	SW846 6020	10/23-10/26/07	J78PT1C5
			Dilution Factor: 1						
			Analysis Time..: 03:04						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	3.1	40.0	45.5	ug/L	106		SW846 6020	10/23-10/26/07	J78PT1C6
	3.1	40.0	43.3	ug/L	101	5.0	SW846 6020	10/23-10/26/07	J78PT1C7
			Dilution Factor: 1						
			Analysis Time..: 03:04						

MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278273

Aluminum									
	44	2000	1780	ug/L	87		SW846 6010B	10/23-10/24/07	J78PT1DF
	44	2000	1910	ug/L	93	7.3	SW846 6010B	10/23-10/24/07	J78PT1DG
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Beryllium									
	ND	50.0	46.8	ug/L	94		SW846 6010B	10/23-10/24/07	J78PT1DK
	ND	50.0	50.1	ug/L	100	6.8	SW846 6010B	10/23-10/24/07	J78PT1DL
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Calcium									
	92000	50000	139000	ug/L	95		SW846 6010B	10/23-10/24/07	J78PT1DM
	92000	50000	142000	ug/L	100	1.7	SW846 6010B	10/23-10/24/07	J78PT1DN
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Iron									
	180	1000	942	ug/L	76		SW846 6010B	10/23-10/24/07	J78PT1DH
	180	1000	992	ug/L	81	5.2	SW846 6010B	10/23-10/24/07	J78PT1DJ
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Magnesium									
	14000	50000	60400	ug/L	93		SW846 6010B	10/23-10/24/07	J78PT1DR
	14000	50000	63500	ug/L	99	5.0	SW846 6010B	10/23-10/24/07	J78PT1DT
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Potassium									
	1800	50000	50800	ug/L	98		SW846 6010B	10/23-10/24/07	J78PT1DP
	1800	50000	54200	ug/L	105	6.5	SW846 6010B	10/23-10/24/07	J78PT1DQ
			Dilution Factor: 1						
			Analysis Time..: 09:51						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	59000	50000	108000	ug/L	99		SW846 6010B	10/23-10/24/07	J78PT1DU
	59000	50000	111000	ug/L	105	2.7	SW846 6010B	10/23-10/24/07	J78PT1DV
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Vanadium									
	3.3	500	480	ug/L	95		SW846 6010B	10/23-10/24/07	J78PT1DW
	3.3	500	512	ug/L	102	6.4	SW846 6010B	10/23-10/24/07	J78PT1DX
			Dilution Factor: 1						
			Analysis Time..: 09:51						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278248							
Antimony	98	(80 - 117)			SW846 6020	10/23-10/26/07	J78QH1C2
	102	(80 - 117)	3.2	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C3
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Arsenic	98	(79 - 120)			SW846 6020	10/23-10/26/07	J78QH1C8
	106	(79 - 120)	7.8	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C9
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Barium	97	(83 - 118)			SW846 6020	10/23-10/26/07	J78QH1DA
	108	(83 - 118)	5.7	(0-30)	SW846 6020	10/23-10/26/07	J78QH1DC
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Cadmium	95	(82 - 115)			SW846 6020	10/23-10/26/07	J78QH1CF
	103	(82 - 115)	7.8	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CG
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Chromium	102	(80 - 124)			SW846 6020	10/23-10/26/07	J78QH1CH
	111	(80 - 124)	8.3	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CJ
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Cobalt	101	(83 - 119)			SW846 6020	10/23-10/26/07	J78QH1CR
	108	(83 - 119)	6.5	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CT
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Copper	93	(82 - 114)			SW846 6020	10/23-10/26/07	J78QH1CU
	100	(82 - 114)	7.7	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CV
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Lead	92	(79 - 119)			SW846 6020	10/23-10/26/07	J78QH1CM
	100	(79 - 119)	8.2	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CN
		Dilution Factor: 1					
		Analysis Time..: 05:25					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	104	(57 - 149)			SW846 6020	10/23-10/26/07	J78QH1CW
	112	(57 - 149)	7.3	(0-35)	SW846 6020	10/23-10/26/07	J78QH1CX
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Molybdenum	105	(87 - 120)			SW846 6020	10/23-10/26/07	J78QH1CK
	109	(87 - 120)	2.9	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CL
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Nickel	95	(76 - 119)			SW846 6020	10/23-10/26/07	J78QH1C0
	101	(76 - 119)	6.5	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C1
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Selenium	97	(64 - 134)			SW846 6020	10/23-10/26/07	J78QH1CP
	105	(64 - 134)	7.6	(0-35)	SW846 6020	10/23-10/26/07	J78QH1CQ
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Silver	93	(20 - 120)			SW846 6020	10/23-10/26/07	J78QH1DD
	99	(20 - 120)	6.5	(0-40)	SW846 6020	10/23-10/26/07	J78QH1DE
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Thallium	96	(77 - 124)			SW846 6020	10/23-10/26/07	J78QH1C4
	103	(77 - 124)	7.4	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C5
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Zinc	94	(72 - 120)			SW846 6020	10/23-10/26/07	J78QH1C6
	103	(72 - 120)	8.2	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C7
		Dilution Factor: 1					
		Analysis Time..: 05:25					

MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278274

Aluminum	91	(83 - 119)			SW846 6010B	10/23-10/24/07	J78QH1DF
	98	(83 - 119)	6.9	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DG
		Dilution Factor: 1					
		Analysis Time..: 17:16					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	94	(79 - 121)			SW846 6010B	10/23-10/24/07	J78QH1DK
	102	(79 - 121)	7.5	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DL
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Calcium	92	(48 - 153)			SW846 6010B	10/23-10/24/07	J78QH1DM
	106	(48 - 153)	5.2	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DN
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Iron	94	(52 - 155)			SW846 6010B	10/23-10/24/07	J78QH1DH
	105	(52 - 155)	11	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DJ
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Magnesium	93	(62 - 146)			SW846 6010B	10/23-10/24/07	J78QH1DR
	102	(62 - 146)	6.1	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DT
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Potassium	96	(76 - 132)			SW846 6010B	10/23-10/24/07	J78QH1DP
	104	(76 - 132)	8.2	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DQ
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Sodium	94	(70 - 203)			SW846 6010B	10/23-10/24/07	J78QH1DU
	108	(70 - 203)	6.3	(0-40)	SW846 6010B	10/23-10/24/07	J78QH1DV
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Vanadium	95	(85 - 120)			SW846 6010B	10/23-10/24/07	J78QH1DW
	102	(85 - 120)	7.3	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DX
		Dilution Factor: 1					
		Analysis Time..: 17:16					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278248									
Antimony									
	ND	40.0	39.4	ug/L	98		SW846 6020	10/23-10/26/07	J78QH1C2
	ND	40.0	40.7	ug/L	102	3.2	SW846 6020	10/23-10/26/07	J78QH1C3
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Arsenic									
	ND	40.0	39.2	ug/L	98		SW846 6020	10/23-10/26/07	J78QH1C8
	ND	40.0	42.5	ug/L	106	7.8	SW846 6020	10/23-10/26/07	J78QH1C9
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Barium									
	33	40.0	71.9	ug/L	97		SW846 6020	10/23-10/26/07	J78QH1DA
	33	40.0	76.1	ug/L	108	5.7	SW846 6020	10/23-10/26/07	J78QH1DC
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Cadmium									
	ND	40.0	38.2	ug/L	95		SW846 6020	10/23-10/26/07	J78QH1CF
	ND	40.0	41.3	ug/L	103	7.8	SW846 6020	10/23-10/26/07	J78QH1CG
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Chromium									
	0.65	40.0	41.6	ug/L	102		SW846 6020	10/23-10/26/07	J78QH1CH
	0.65	40.0	45.2	ug/L	111	8.3	SW846 6020	10/23-10/26/07	J78QH1CJ
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Cobalt									
	0.25	40.0	40.5	ug/L	101		SW846 6020	10/23-10/26/07	J78QH1CR
	0.25	40.0	43.3	ug/L	108	6.5	SW846 6020	10/23-10/26/07	J78QH1CT
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Copper									
	ND	40.0	37.5	ug/L	93		SW846 6020	10/23-10/26/07	J78QH1CU
	ND	40.0	40.5	ug/L	100	7.7	SW846 6020	10/23-10/26/07	J78QH1CV
			Dilution Factor: 1						
			Analysis Time..: 05:25						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	ND	40.0	37.1	ug/L	92		SW846 6020	10/23-10/26/07	J78QH1CM
	ND	40.0	40.3	ug/L	100	8.2	SW846 6020	10/23-10/26/07	J78QH1CN
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Manganese									
	ND	40.0	42.0	ug/L	104		SW846 6020	10/23-10/26/07	J78QH1CW
	ND	40.0	45.1	ug/L	112	7.3	SW846 6020	10/23-10/26/07	J78QH1CX
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Molybdenum									
	15	40.0	56.6	ug/L	105		SW846 6020	10/23-10/26/07	J78QH1CK
	15	40.0	58.3	ug/L	109	2.9	SW846 6020	10/23-10/26/07	J78QH1CL
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Nickel									
	1.2	40.0	39.1	ug/L	95		SW846 6020	10/23-10/26/07	J78QH1C0
	1.2	40.0	41.8	ug/L	101	6.5	SW846 6020	10/23-10/26/07	J78QH1C1
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Selenium									
	2.0	40.0	40.8	ug/L	97		SW846 6020	10/23-10/26/07	J78QH1CP
	2.0	40.0	44.1	ug/L	105	7.6	SW846 6020	10/23-10/26/07	J78QH1CQ
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Silver									
	ND	40.0	37.1	ug/L	93		SW846 6020	10/23-10/26/07	J78QH1DD
	ND	40.0	39.6	ug/L	99	6.5	SW846 6020	10/23-10/26/07	J78QH1DE
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Thallium									
	ND	40.0	38.4	ug/L	96		SW846 6020	10/23-10/26/07	J78QH1C4
	ND	40.0	41.3	ug/L	103	7.4	SW846 6020	10/23-10/26/07	J78QH1C5
			Dilution Factor: 1						
			Analysis Time..: 05:25						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	2.9	40.0	40.7	ug/L	94		SW846 6020	10/23-10/26/07	J78QH1C6
	2.9	40.0	44.2	ug/L	103	8.2	SW846 6020	10/23-10/26/07	J78QH1C7
			Dilution Factor: 1						
			Analysis Time..: 05:25						

MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278274

Aluminum									
	ND	2000	1830	ug/L	91		SW846 6010B	10/23-10/24/07	J78QH1DF
	ND	2000	1960	ug/L	98	6.9	SW846 6010B	10/23-10/24/07	J78QH1DG
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Beryllium									
	ND	50.0	47.2	ug/L	94		SW846 6010B	10/23-10/24/07	J78QH1DK
	ND	50.0	50.9	ug/L	102	7.5	SW846 6010B	10/23-10/24/07	J78QH1DL
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Calcium									
	86000	50000	132000	ug/L	92		SW846 6010B	10/23-10/24/07	J78QH1DM
	86000	50000	139000	ug/L	106	5.2	SW846 6010B	10/23-10/24/07	J78QH1DN
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Iron									
	ND	1000	947	ug/L	94		SW846 6010B	10/23-10/24/07	J78QH1DH
	ND	1000	1060	ug/L	105	11	SW846 6010B	10/23-10/24/07	J78QH1DJ
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Magnesium									
	23000	50000	69800	ug/L	93		SW846 6010B	10/23-10/24/07	J78QH1DR
	23000	50000	74200	ug/L	102	6.1	SW846 6010B	10/23-10/24/07	J78QH1DT
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Potassium									
	1000	50000	48900	ug/L	96		SW846 6010B	10/23-10/24/07	J78QH1DP
	1000	50000	53100	ug/L	104	8.2	SW846 6010B	10/23-10/24/07	J78QH1DQ
			Dilution Factor: 1						
			Analysis Time..: 17:16						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	58000	50000	105000	ug/L	94		SW846 6010B	10/23-10/24/07	J78QH1DU
	58000	50000	112000	ug/L	108	6.3	SW846 6010B	10/23-10/24/07	J78QH1DV
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Vanadium									
	ND	500	478	ug/L	95		SW846 6010B	10/23-10/24/07	J78QH1DW
	ND	500	515	ug/L	102	7.3	SW846 6010B	10/23-10/24/07	J78QH1DX
			Dilution Factor: 1						
			Analysis Time..: 17:16						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282361							
Antimony	99	(80 - 117)			SW846 6020	10/23-10/26/07	J8CC01CP
	105	(80 - 117)	5.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CQ
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Arsenic	102	(79 - 120)			SW846 6020	10/23-10/26/07	J8CC01CW
	106	(79 - 120)	4.2	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CX
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Barium	98	(83 - 118)			SW846 6020	10/23-10/26/07	J8CC01C0
	109	(83 - 118)	5.0	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C1
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Cadmium	100	(82 - 115)			SW846 6020	10/23-10/26/07	J8CC01C4
	106	(82 - 115)	5.6	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C5
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Chromium	104	(80 - 124)			SW846 6020	10/23-10/26/07	J8CC01C6
	110	(80 - 124)	5.9	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C7
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Cobalt	102	(83 - 119)			SW846 6020	10/23-10/26/07	J8CC01CF
	106	(83 - 119)	4.0	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CG
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Copper	93	(82 - 114)			SW846 6020	10/23-10/26/07	J8CC01CH
	99	(82 - 114)	5.2	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CJ
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Lead	98	(79 - 119)			SW846 6020	10/23-10/26/07	J8CC01DA
	103	(79 - 119)	5.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01DC
		Dilution Factor: 1					
		Analysis Time..: 19:27					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	NC,MSB	(57 - 149)			SW846 6020	10/23-10/26/07	J8CC01CK
	NC,MSB	(57 - 149)		(0-35)	SW846 6020	10/23-10/26/07	J8CC01CL
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Molybdenum	105	(87 - 120)			SW846 6020	10/23-10/26/07	J8CC01C8
	112	(87 - 120)	5.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C9
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Nickel	97	(76 - 119)			SW846 6020	10/23-10/26/07	J8CC01CM
	101	(76 - 119)	4.2	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CN
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Selenium	100	(64 - 134)			SW846 6020	10/23-10/26/07	J8CC01DD
	107	(64 - 134)	6.5	(0-35)	SW846 6020	10/23-10/26/07	J8CC01DE
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Silver	98	(20 - 120)			SW846 6020	10/23-10/26/07	J8CC01C2
	104	(20 - 120)	6.2	(0-40)	SW846 6020	10/23-10/26/07	J8CC01C3
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Thallium	101	(77 - 124)			SW846 6020	10/23-10/26/07	J8CC01CR
	108	(77 - 124)	7.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CT
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Zinc	94	(72 - 120)			SW846 6020	10/23-10/26/07	J8CC01CU
	100	(72 - 120)	4.5	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CV
		Dilution Factor: 1					
		Analysis Time..: 19:27					

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282375

Aluminum	93	(83 - 119)			SW846 6010B	10/23-10/24/07	J8CC01DR
	90	(83 - 119)	3.3	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01DT
		Dilution Factor: 1					
		Analysis Time..: 05:08					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	104	(79 - 121)			SW846 6010B	10/23-10/24/07	J8CC01DW
	100	(79 - 121)	4.0	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01DX
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Calcium	101	(48 - 153)			SW846 6010B	10/23-10/24/07	J8CC01D0
	96	(48 - 153)	1.7	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D1
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Iron	NC,MSB	(52 - 155)			SW846 6010B	10/23-10/24/07	J8CC01DU
	NC,MSB	(52 - 155)		(0-25)	SW846 6010B	10/23-10/24/07	J8CC01DV
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Magnesium	103	(62 - 146)			SW846 6010B	10/23-10/24/07	J8CC01D4
	98	(62 - 146)	3.7	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D5
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Potassium	108	(76 - 132)			SW846 6010B	10/23-10/24/07	J8CC01D2
	104	(76 - 132)	3.5	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D3
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Sodium	107	(70 - 203)			SW846 6010B	10/23-10/24/07	J8CC01D6
	101	(70 - 203)	2.6	(0-40)	SW846 6010B	10/23-10/24/07	J8CC01D7
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Vanadium	104	(85 - 120)			SW846 6010B	10/23-10/24/07	J8CC01D8
	100	(85 - 120)	4.1	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D9
		Dilution Factor: 1					
		Analysis Time..: 05:08					

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7289218

Mercury	93	(88 - 111)			SW846 7470A	10/22-10/23/07	J8CC01DF
	92	(88 - 111)	1.1	(0-10)	SW846 7470A	10/22-10/23/07	J8CC01DG
		Dilution Factor: 1					
		Analysis Time..: 19:09					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282361									
Antimony									
	ND	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	J8CC01CP
	ND	40.0	41.9	ug/L	105	5.1	SW846 6020	10/23-10/26/07	J8CC01CQ
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Arsenic									
	0.34	40.0	41.1	ug/L	102		SW846 6020	10/23-10/26/07	J8CC01CW
	0.34	40.0	42.8	ug/L	106	4.2	SW846 6020	10/23-10/26/07	J8CC01CX
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Barium									
	52	40.0	90.7	ug/L	98		SW846 6020	10/23-10/26/07	J8CC01C0
	52	40.0	95.3	ug/L	109	5.0	SW846 6020	10/23-10/26/07	J8CC01C1
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Cadmium									
	ND	40.0	40.2	ug/L	100		SW846 6020	10/23-10/26/07	J8CC01C4
	ND	40.0	42.5	ug/L	106	5.6	SW846 6020	10/23-10/26/07	J8CC01C5
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Chromium									
	0.62	40.0	42.1	ug/L	104		SW846 6020	10/23-10/26/07	J8CC01C6
	0.62	40.0	44.6	ug/L	110	5.9	SW846 6020	10/23-10/26/07	J8CC01C7
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Cobalt									
	0.22	40.0	41.0	ug/L	102		SW846 6020	10/23-10/26/07	J8CC01CF
	0.22	40.0	42.7	ug/L	106	4.0	SW846 6020	10/23-10/26/07	J8CC01CG
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Copper									
	0.94	40.0	38.3	ug/L	93		SW846 6020	10/23-10/26/07	J8CC01CH
	0.94	40.0	40.4	ug/L	99	5.2	SW846 6020	10/23-10/26/07	J8CC01CJ
			Dilution Factor: 1						
			Analysis Time..: 19:27						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07 **Matrix.....:** WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	0.94	40.0	40.1	ug/L	98		SW846 6020	10/23-10/26/07	J8CC01DA
	0.94	40.0	42.2	ug/L	103	5.1	SW846 6020	10/23-10/26/07	J8CC01DC
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Manganese									
	570	40.0	606	ug/L			SW846 6020	10/23-10/26/07	J8CC01CK
			Qualifiers: NC,MSB						
	570	40.0	629	ug/L			SW846 6020	10/23-10/26/07	J8CC01CL
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Molybdenum									
	9.5	40.0	51.6	ug/L	105		SW846 6020	10/23-10/26/07	J8CC01C8
	9.5	40.0	54.2	ug/L	112	5.1	SW846 6020	10/23-10/26/07	J8CC01C9
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Nickel									
	1.1	40.0	39.8	ug/L	97		SW846 6020	10/23-10/26/07	J8CC01CM
	1.1	40.0	41.5	ug/L	101	4.2	SW846 6020	10/23-10/26/07	J8CC01CN
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Selenium									
	ND	40.0	40.7	ug/L	100		SW846 6020	10/23-10/26/07	J8CC01DD
	ND	40.0	43.5	ug/L	107	6.5	SW846 6020	10/23-10/26/07	J8CC01DE
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Silver									
	ND	40.0	39.1	ug/L	98		SW846 6020	10/23-10/26/07	J8CC01C2
	ND	40.0	41.6	ug/L	104	6.2	SW846 6020	10/23-10/26/07	J8CC01C3
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Thallium									
	ND	40.0	40.3	ug/L	101		SW846 6020	10/23-10/26/07	J8CC01CR
	ND	40.0	43.3	ug/L	108	7.1	SW846 6020	10/23-10/26/07	J8CC01CT
			Dilution Factor: 1						
			Analysis Time..: 19:27						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	18	40.0	55.2	ug/L	94		SW846 6020	10/23-10/26/07	J8CC01CU
	18	40.0	57.8	ug/L	100	4.5	SW846 6020	10/23-10/26/07	J8CC01CV
			Dilution Factor: 1						
			Analysis Time..: 19:27						

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282375

Aluminum									
	33	2000	1900	ug/L	93		SW846 6010B	10/23-10/24/07	J8CC01DR
	33	2000	1840	ug/L	90	3.3	SW846 6010B	10/23-10/24/07	J8CC01DT
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Beryllium									
	ND	50.0	52.0	ug/L	104		SW846 6010B	10/23-10/24/07	J8CC01DW
	ND	50.0	49.9	ug/L	100	4.0	SW846 6010B	10/23-10/24/07	J8CC01DX
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Calcium									
	100000	50000	151000	ug/L	101		SW846 6010B	10/23-10/24/07	J8CC01D0
	100000	50000	148000	ug/L	96	1.7	SW846 6010B	10/23-10/24/07	J8CC01D1
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Iron									
	7000	1000	8030	ug/L			SW846 6010B	10/23-10/24/07	J8CC01DU
			Qualifiers: NC,MSB						
	7000	1000	7720	ug/L			SW846 6010B	10/23-10/24/07	J8CC01DV
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Magnesium									
	18000	50000	69800	ug/L	103		SW846 6010B	10/23-10/24/07	J8CC01D4
	18000	50000	67200	ug/L	98	3.7	SW846 6010B	10/23-10/24/07	J8CC01D5
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Potassium									
	2000	50000	56100	ug/L	108		SW846 6010B	10/23-10/24/07	J8CC01D2
	2000	50000	54100	ug/L	104	3.5	SW846 6010B	10/23-10/24/07	J8CC01D3
			Dilution Factor: 1						
			Analysis Time..: 05:08						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	60000	50000	114000	ug/L	107		SW846 6010B	10/23-10/24/07	J8CC01D6
	60000	50000	111000	ug/L	101	2.6	SW846 6010B	10/23-10/24/07	J8CC01D7
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Vanadium									
	ND	500	522	ug/L	104		SW846 6010B	10/23-10/24/07	J8CC01D8
	ND	500	501	ug/L	100	4.1	SW846 6010B	10/23-10/24/07	J8CC01D9
			Dilution Factor: 1						
			Analysis Time..: 05:08						

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7289218

Mercury									
	ND	5.00	4.63	ug/L	93		SW846 7470A	10/22-10/23/07	J8CC01DF
	ND	5.00	4.58	ug/L	92	1.1	SW846 7470A	10/22-10/23/07	J8CC01DG
			Dilution Factor: 1						
			Analysis Time..: 19:09						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-021 **Prep Batch #...:** 7289216							
Mercury	96	(88 - 111)			SW846 7470A	10/22-10/23/07	J78P71CH
	94	(88 - 111)	1.8	(0-10)	SW846 7470A	10/22-10/23/07	J78P71CJ

Dilution Factor: 1
Analysis Time..: 18:14

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-021 **Prep Batch #...:** 7289216									
Mercury									
	0.045	5.00	4.82	ug/L	96		SW846 7470A	10/22-10/23/07	J78P71CH
	0.045	5.00	4.73	ug/L	94	1.8	SW846 7470A	10/22-10/23/07	J78P71CJ
			Dilution Factor: 1						
			Analysis Time..: 18:14						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290371							
Antimony	110	(80 - 117)			SW846 6020	10/23-11/09/07	J8X5T1CP
	109	(80 - 117)	1.7	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CQ
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Arsenic	104	(79 - 120)			SW846 6020	10/23-11/09/07	J8X5T1CW
	103	(79 - 120)	1.3	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CX
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Barium	109	(83 - 118)			SW846 6020	10/23-11/09/07	J8X5T1C0
	112	(83 - 118)	1.7	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C1
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Cadmium	106	(82 - 115)			SW846 6020	10/23-11/09/07	J8X5T1C4
	105	(82 - 115)	0.82	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C5
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Chromium	110	(80 - 124)			SW846 6020	10/23-11/09/07	J8X5T1C6
	108	(80 - 124)	1.8	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C7
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Cobalt	106	(83 - 119)			SW846 6020	10/23-11/09/07	J8X5T1CF
	107	(83 - 119)	0.66	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CG
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Copper	102	(82 - 114)			SW846 6020	10/23-11/09/07	J8X5T1CH
	101	(82 - 114)	0.60	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CJ
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Lead	101	(79 - 119)			SW846 6020	10/23-11/09/07	J8X5T1DA
	101	(79 - 119)	0.89	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1DC
		Dilution Factor: 1					
		Analysis Time..: 00:29					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	98	(57 - 149)			SW846 6020	10/23-11/09/07	J8X5T1CK
	100	(57 - 149)	0.43	(0-35)	SW846 6020	10/23-11/09/07	J8X5T1CL
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Molybdenum	113	(87 - 120)			SW846 6020	10/23-11/09/07	J8X5T1C8
	111	(87 - 120)	1.6	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C9
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Nickel	100	(76 - 119)			SW846 6020	10/23-11/09/07	J8X5T1CM
	100	(76 - 119)	0.02	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CN
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Selenium	102	(64 - 134)			SW846 6020	10/23-11/09/07	J8X5T1DD
	101	(64 - 134)	1.4	(0-35)	SW846 6020	10/23-11/09/07	J8X5T1DE
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Silver	105	(20 - 120)			SW846 6020	10/23-11/09/07	J8X5T1C2
	104	(20 - 120)	1.4	(0-40)	SW846 6020	10/23-11/09/07	J8X5T1C3
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Thallium	106	(77 - 124)			SW846 6020	10/23-11/09/07	J8X5T1CR
	105	(77 - 124)	0.78	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CT
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Zinc	101	(72 - 120)			SW846 6020	10/23-11/09/07	J8X5T1CU
	102	(72 - 120)	0.83	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CV
		Dilution Factor: 1					
		Analysis Time..: 00:29					

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290444

Aluminum	122 N	(83 - 119)			SW846 6010B	10/23-10/24/07	J8X5T1DF
	121 N	(83 - 119)	0.67	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DG
		Dilution Factor: 1					
		Analysis Time..: 04:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	100	(79 - 121)			SW846 6010B	10/23-10/24/07	J8X5T1DK
	100	(79 - 121)	0.26	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DL
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Calcium	99	(48 - 153)			SW846 6010B	10/23-10/24/07	J8X5T1DM
	101	(48 - 153)	0.46	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DN
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Iron	122	(52 - 155)			SW846 6010B	10/23-10/24/07	J8X5T1DH
	92	(52 - 155)	6.5	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DJ
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Magnesium	99	(62 - 146)			SW846 6010B	10/23-10/24/07	J8X5T1DR
	100	(62 - 146)	0.27	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DT
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Potassium	105	(76 - 132)			SW846 6010B	10/23-10/24/07	J8X5T1DP
	106	(76 - 132)	0.78	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DQ
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Sodium	105	(70 - 203)			SW846 6010B	10/23-10/24/07	J8X5T1DU
	107	(70 - 203)	1.2	(0-40)	SW846 6010B	10/23-10/24/07	J8X5T1DV
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Vanadium	101	(85 - 120)			SW846 6010B	10/23-10/24/07	J8X5T1DW
	101	(85 - 120)	0.10	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DX
		Dilution Factor: 1					
		Analysis Time..: 04:07					

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7292394

Mercury	98	(88 - 111)			SW846 7470A	10/30/07	J8X5T1D0
	97	(88 - 111)	1.6	(0-10)	SW846 7470A	10/30/07	J8X5T1D1
		Dilution Factor: 1					
		Analysis Time..: 22:45					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290371									
Antimony									
	0.074	40.0	44.2	ug/L	110		SW846 6020	10/23-11/09/07	J8X5T1CP
	0.074	40.0	43.5	ug/L	109	1.7	SW846 6020	10/23-11/09/07	J8X5T1CQ
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Arsenic									
	0.67	40.0	42.4	ug/L	104		SW846 6020	10/23-11/09/07	J8X5T1CW
	0.67	40.0	41.9	ug/L	103	1.3	SW846 6020	10/23-11/09/07	J8X5T1CX
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Barium									
	37	40.0	80.8	ug/L	109		SW846 6020	10/23-11/09/07	J8X5T1C0
	37	40.0	82.2	ug/L	112	1.7	SW846 6020	10/23-11/09/07	J8X5T1C1
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Cadmium									
	0.47	40.0	42.8	ug/L	106		SW846 6020	10/23-11/09/07	J8X5T1C4
	0.47	40.0	42.5	ug/L	105	0.82	SW846 6020	10/23-11/09/07	J8X5T1C5
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Chromium									
	6.4	40.0	50.6	ug/L	110		SW846 6020	10/23-11/09/07	J8X5T1C6
	6.4	40.0	49.6	ug/L	108	1.8	SW846 6020	10/23-11/09/07	J8X5T1C7
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Cobalt									
	0.75	40.0	43.2	ug/L	106		SW846 6020	10/23-11/09/07	J8X5T1CF
	0.75	40.0	43.5	ug/L	107	0.66	SW846 6020	10/23-11/09/07	J8X5T1CG
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Copper									
	2.4	40.0	43.2	ug/L	102		SW846 6020	10/23-11/09/07	J8X5T1CH
	2.4	40.0	42.9	ug/L	101	0.60	SW846 6020	10/23-11/09/07	J8X5T1CJ
			Dilution Factor: 1						
			Analysis Time..: 00:29						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	0.82	40.0	41.4	ug/L	101		SW846 6020	10/23-11/09/07	J8X5T1DA
	0.82	40.0	41.0	ug/L	101	0.89	SW846 6020	10/23-11/09/07	J8X5T1DC
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Manganese									
	120	40.0	159	ug/L	98		SW846 6020	10/23-11/09/07	J8X5T1CK
	120	40.0	160	ug/L	100	0.43	SW846 6020	10/23-11/09/07	J8X5T1CL
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Molybdenum									
	3.6	40.0	48.9	ug/L	113		SW846 6020	10/23-11/09/07	J8X5T1C8
	3.6	40.0	48.1	ug/L	111	1.6	SW846 6020	10/23-11/09/07	J8X5T1C9
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Nickel									
	3.1	40.0	43.0	ug/L	100		SW846 6020	10/23-11/09/07	J8X5T1CM
	3.1	40.0	43.0	ug/L	100	0.02	SW846 6020	10/23-11/09/07	J8X5T1CN
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Selenium									
	3.5	40.0	44.4	ug/L	102		SW846 6020	10/23-11/09/07	J8X5T1DD
	3.5	40.0	43.7	ug/L	101	1.4	SW846 6020	10/23-11/09/07	J8X5T1DE
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Silver									
	ND	40.0	42.1	ug/L	105		SW846 6020	10/23-11/09/07	J8X5T1C2
	ND	40.0	41.5	ug/L	104	1.4	SW846 6020	10/23-11/09/07	J8X5T1C3
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Thallium									
	0.025	40.0	42.3	ug/L	106		SW846 6020	10/23-11/09/07	J8X5T1CR
	0.025	40.0	42.0	ug/L	105	0.78	SW846 6020	10/23-11/09/07	J8X5T1CT
			Dilution Factor: 1						
			Analysis Time..: 00:29						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	9.3	40.0	49.8	ug/L	101		SW846 6020	10/23-11/09/07	J8X5T1CU
	9.3	40.0	50.3	ug/L	102	0.83	SW846 6020	10/23-11/09/07	J8X5T1CV
			Dilution Factor: 1						
			Analysis Time..: 00:29						

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290444

Aluminum									
	450	2000	2890 N	ug/L	122		SW846 6010B	10/23-10/24/07	J8X5T1DF
	450	2000	2870 N	ug/L	121	0.67	SW846 6010B	10/23-10/24/07	J8X5T1DG
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Beryllium									
	ND	50.0	49.9	ug/L	100		SW846 6010B	10/23-10/24/07	J8X5T1DK
	ND	50.0	50.1	ug/L	100	0.26	SW846 6010B	10/23-10/24/07	J8X5T1DL
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Calcium									
	94000	50000	144000	ug/L	99		SW846 6010B	10/23-10/24/07	J8X5T1DM
	94000	50000	145000	ug/L	101	0.46	SW846 6010B	10/23-10/24/07	J8X5T1DN
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Iron									
	3500	1000	4710	ug/L	122		SW846 6010B	10/23-10/24/07	J8X5T1DH
	3500	1000	4410	ug/L	92	6.5	SW846 6010B	10/23-10/24/07	J8X5T1DJ
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Magnesium									
	37000	50000	86500	ug/L	99		SW846 6010B	10/23-10/24/07	J8X5T1DR
	37000	50000	86700	ug/L	100	0.27	SW846 6010B	10/23-10/24/07	J8X5T1DT
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Potassium									
	1900	50000	54400	ug/L	105		SW846 6010B	10/23-10/24/07	J8X5T1DP
	1900	50000	54800	ug/L	106	0.78	SW846 6010B	10/23-10/24/07	J8X5T1DQ
			Dilution Factor: 1						
			Analysis Time..: 04:07						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	33000	50000	85700	ug/L	105		SW846 6010B	10/23-10/24/07	J8X5T1DU
	33000	50000	86700	ug/L	107	1.2	SW846 6010B	10/23-10/24/07	J8X5T1DV
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Vanadium									
	5.0	500	510	ug/L	101		SW846 6010B	10/23-10/24/07	J8X5T1DW
	5.0	500	511	ug/L	101	0.10	SW846 6010B	10/23-10/24/07	J8X5T1DX
			Dilution Factor: 1						
			Analysis Time..: 04:07						

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7292394

Mercury									
	ND	5.00	4.93	ug/L	98		SW846 7470A	10/30/07	J8X5T1D0
	ND	5.00	4.85	ug/L	97	1.6	SW846 7470A	10/30/07	J8X5T1D1
			Dilution Factor: 1						
			Analysis Time..: 22:45						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		Work Order #: J8J5T1AA		MB Lot-Sample #:	D7J050000-593	
	ND	0.20	mg/L	MCAWW 300.0A	10/04/07	7278593
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Bromide		Work Order #: J8J591AA		MB Lot-Sample #:	D7J050000-598	
	ND	0.20	mg/L	MCAWW 300.0A	10/04/07	7278598
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Bromide		Work Order #: J8J6L1AA		MB Lot-Sample #:	D7J050000-602	
	ND	0.20	mg/L	MCAWW 300.0A	10/04-10/05/07	7278602
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Bromide		Work Order #: J8KKA1AA		MB Lot-Sample #:	D7J060000-100	
	ND	0.20	mg/L	MCAWW 300.0A	10/05/07	7279100
		Dilution Factor: 1				
		Analysis Time..: 10:21				
Bromide		Work Order #: J816Q1AA		MB Lot-Sample #:	D7J150000-457	
	ND	0.20	mg/L	MCAWW 300.0A	10/13/07	7288457
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Chloride		Work Order #: J8J5P1AA		MB Lot-Sample #:	D7J050000-594	
	0.56 B	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Chloride		Work Order #: J8J571AA		MB Lot-Sample #:	D7J050000-599	
	ND	3.0	mg/L	MCAWW 300.0A	10/04/07	7278599
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Chloride		Work Order #: J8J6J1AA		MB Lot-Sample #:	D7J050000-603	
	ND	3.0	mg/L	MCAWW 300.0A	10/04-10/05/07	7278603
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Chloride		Work Order #: J8KJ01AA		MB Lot-Sample #:	D7J060000-101	
	ND	3.0	mg/L	MCAWW 300.0A	10/05/07	7279101
		Dilution Factor: 1				
		Analysis Time..: 10:21				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: J816K1AA		MB Lot-Sample #:	D7J150000-454	
	ND	3.0	mg/L	MCAWW 300.0A	10/13/07	7288454
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Chloride		Work Order #: J9VLD1AA		MB Lot-Sample #:	D7J250000-553	
	ND	3.0	mg/L	MCAWW 300.0A	10/24/07	7298553
		Dilution Factor: 1				
		Analysis Time..: 15:10				
Fluoride		Work Order #: J8J5L1AA		MB Lot-Sample #:	D7J050000-595	
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278595
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Fluoride		Work Order #: J8J561AA		MB Lot-Sample #:	D7J050000-600	
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278600
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Fluoride		Work Order #: J8J6H1AA		MB Lot-Sample #:	D7J050000-604	
	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278604
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Fluoride		Work Order #: J8KJT1AA		MB Lot-Sample #:	D7J060000-102	
	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279102
		Dilution Factor: 1				
		Analysis Time..: 10:21				
Fluoride		Work Order #: J816H1AA		MB Lot-Sample #:	D7J150000-460	
	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288460
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Nitrate-Nitrite		Work Order #: J9L4X1AA		MB Lot-Sample #:	D7J230000-364	
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1				
		Analysis Time..: 06:00				
Nitrate-Nitrite		Work Order #: J9L421AA		MB Lot-Sample #:	D7J230000-366	
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1				
		Analysis Time..: 06:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		Work Order #: J9L471AA		MB Lot-Sample #: D7J230000-368		
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296368
		Dilution Factor: 1				
		Analysis Time..: 06:00				
Nitrate-Nitrite		Work Order #: J9L5J1AA		MB Lot-Sample #: D7J230000-371		
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1				
		Analysis Time..: 06:00				
Nitrate-Nitrite		Work Order #: J9XKM1AA		MB Lot-Sample #: D7J260000-334		
	ND	0.10	mg/L	MCAWW 353.2	10/25/07	7299334
		Dilution Factor: 1				
		Analysis Time..: 10:02				
Nitrate-Nitrite		Work Order #: KAJDW1AA		MB Lot-Sample #: D7K050000-245		
	ND	0.10	mg/L	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Phosphate as P, Ortho		Work Order #: J8J5X1AA		MB Lot-Sample #: D7J050000-596		
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Phosphate as P, Ortho		Work Order #: J8J6C1AA		MB Lot-Sample #: D7J050000-601		
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Phosphate as P, Ortho		Work Order #: J8J6M1AA		MB Lot-Sample #: D7J050000-605		
	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Phosphate as P, Ortho		Work Order #: J8KKL1AA		MB Lot-Sample #: D7J060000-103		
	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1				
		Analysis Time..: 10:21				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho		Work Order #: J8F3A1AA		MB Lot-Sample #: D7J060000-121		
	ND	0.50	mg/L	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1				
		Analysis Time..: 08:38				
Phosphate as P, Ortho		Work Order #: J816W1AA		MB Lot-Sample #: D7J150000-459		
	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Sulfate		Work Order #: J8APE1AA		MB Lot-Sample #: D7J050000-122		
	ND	5.0	mg/L	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Sulfate		Work Order #: J8CWW1AA		MB Lot-Sample #: D7J050000-135		
	ND	5.0	mg/L	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 1				
		Analysis Time..: 21:59				
Sulfate		Work Order #: J8J521AA		MB Lot-Sample #: D7J050000-597		
	ND	5.0	mg/L	MCAWW 300.0A	10/04/07	7278597
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Sulfate		Work Order #: J8J6N1AA		MB Lot-Sample #: D7J050000-606		
	ND	5.0	mg/L	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Sulfate		Work Order #: J8KKN1AA		MB Lot-Sample #: D7J060000-099		
	0.45 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279099**
		Dilution Factor: 1				
		Analysis Time..: 10:21				
Sulfate		Work Order #: J816X1AA		MB Lot-Sample #: D7J150000-455		
	ND	5.0	mg/L	MCAWW 300.0A	10/13/07	7288455
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Sulfate		Work Order #: KACL61AA		MB Lot-Sample #: D7K010000-370		
	0.47 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**10/31/07**	**7305370**
		Dilution Factor: 1				
		Analysis Time..: 11:51				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: J8E6F1AA		MB Lot-Sample #: D7J060000-141		
	1.5 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Alkalinity		Work Order #: J8JN51AA		MB Lot-Sample #: D7J090000-447		
	1.5 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Alkalinity		Work Order #: J8JPV1AA		MB Lot-Sample #: D7J090000-449		
	1.1 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Alkalinity		Work Order #: J8MFT1AA		MB Lot-Sample #: D7J100000-437		
	1.2 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/09/07**	**7283437**
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Alkalinity		Work Order #: J9CV81AA		MB Lot-Sample #: D7J180000-487		
	1.3 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/17/07**	**7291487**
		Dilution Factor: 1				
		Analysis Time..: 19:00				
Total Alkalinity		Work Order #: J9G981AA		MB Lot-Sample #: D7J200000-109		
	1.8 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/18/07**	**7293109**
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Dissolved Solids		Work Order #: J8L771AA		MB Lot-Sample #: D7J080000-479		
	ND	10	mg/L	MCAWW 160.1	10/08/07	7281479
		Dilution Factor: 1				
		Analysis Time..: 18:20				
Total Dissolved Solids		Work Order #: J8L8M1AA		MB Lot-Sample #: D7J080000-482		
	ND	10	mg/L	MCAWW 160.1	10/08/07	7281482
		Dilution Factor: 1				
		Analysis Time..: 18:40				
Total Dissolved Solids		Work Order #: J8X2A1AA		MB Lot-Sample #: D7J090000-618		
	6.0 B	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1				
		Analysis Time..: 17:15				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: J8X2E1AA		MB Lot-Sample #: D7J090000-619		
	ND	10	mg/L	MCAWW 160.1	10/09/07	7282619
		Dilution Factor: 1				
		Analysis Time..: 17:40				
Total Dissolved Solids		Work Order #: J8X2G1AA		MB Lot-Sample #: D7J100000-631		
	ND	10	mg/L	MCAWW 160.1	10/10/07	7283631
		Dilution Factor: 1				
		Analysis Time..: 17:30				
Total Dissolved Solids		Work Order #: J8X2H1AA		MB Lot-Sample #: D7J100000-633		
	ND	10	mg/L	MCAWW 160.1	10/10/07	7283633
		Dilution Factor: 1				
		Analysis Time..: 18:15				
Total Dissolved Solids		Work Order #: J80G71AA		MB Lot-Sample #: D7J110000-602		
	ND	10	mg/L	MCAWW 160.1	10/11/07	7284602
		Dilution Factor: 1				
		Analysis Time..: 14:40				
Total Dissolved Solids		Work Order #: J9GNP1AA		MB Lot-Sample #: D7J160000-570		
	ND	10	mg/L	MCAWW 160.1	10/16/07	7289570
		Dilution Factor: 1				
		Analysis Time..: 14:10				
Total Dissolved Solids		Work Order #: J9P5V1AA		MB Lot-Sample #: D7J180000-637		
	ND	10	mg/L	MCAWW 160.1	10/18/07	7291637
		Dilution Factor: 1				
		Analysis Time..: 21:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#:J8J5T1AC-LCS/J8J5T1AD-LCSD LCS Lot-Sample#: D7J050000-593					
	97	(90 - 110)			MCAWW 300.0A	10/04/07	7278593
	97	(90 - 110)	0.14	(0-10)	MCAWW 300.0A	10/04/07	7278593
		Dilution Factor: 1			Analysis Time..: 11:12		
Bromide		WO#:J8J591AC-LCS/J8J591AD-LCSD LCS Lot-Sample#: D7J050000-598					
	98	(90 - 110)			MCAWW 300.0A	10/04/07	7278598
	97	(90 - 110)	0.80	(0-10)	MCAWW 300.0A	10/04/07	7278598
		Dilution Factor: 1			Analysis Time..: 21:13		
Bromide		WO#:J8J6L1AC-LCS/J8J6L1AD-LCSD LCS Lot-Sample#: D7J050000-602					
	97	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278602
	97	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278602
		Dilution Factor: 1			Analysis Time..: 03:51		
Bromide		WO#:J8KKA1AC-LCS/J8KKA1AD-LCSD LCS Lot-Sample#: D7J060000-100					
	99	(90 - 110)			MCAWW 300.0A	10/05/07	7279100
	100	(90 - 110)	1.0	(0-10)	MCAWW 300.0A	10/05/07	7279100
		Dilution Factor: 1			Analysis Time..: 09:49		
Bromide		WO#:J816Q1AC-LCS/J816Q1AD-LCSD LCS Lot-Sample#: D7J150000-457					
	101	(90 - 110)			MCAWW 300.0A	10/13/07	7288457
	101	(90 - 110)	0.34	(0-10)	MCAWW 300.0A	10/13/07	7288457
		Dilution Factor: 1			Analysis Time..: 10:04		
Chloride		WO#:J8J5P1AC-LCS/J8J5P1AD-LCSD LCS Lot-Sample#: D7J050000-594					
	93	(90 - 110)			MCAWW 300.0A	10/04/07	7278594
	93	(90 - 110)	0.26	(0-10)	MCAWW 300.0A	10/04/07	7278594
		Dilution Factor: 1			Analysis Time..: 11:12		
Chloride		WO#:J8J571AC-LCS/J8J571AD-LCSD LCS Lot-Sample#: D7J050000-599					
	94	(90 - 110)			MCAWW 300.0A	10/04/07	7278599
	93	(90 - 110)	0.46	(0-10)	MCAWW 300.0A	10/04/07	7278599
		Dilution Factor: 1			Analysis Time..: 21:13		
Chloride		WO#:J8J6J1AC-LCS/J8J6J1AD-LCSD LCS Lot-Sample#: D7J050000-603					
	94	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278603
	93	(90 - 110)	0.36	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278603
		Dilution Factor: 1			Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:J8KJ01AC-LCS/J8KJ01AD-LCSD LCS Lot-Sample#: D7J060000-101					
	100	(90 - 110)			MCAWW 300.0A	10/05/07	7279101
	102	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	10/05/07	7279101
		Dilution Factor: 1			Analysis Time..: 09:49		
Chloride		WO#:J816K1AC-LCS/J816K1AD-LCSD LCS Lot-Sample#: D7J150000-454					
	103	(90 - 110)			MCAWW 300.0A	10/13/07	7288454
	103	(90 - 110)	0.14	(0-10)	MCAWW 300.0A	10/13/07	7288454
		Dilution Factor: 1			Analysis Time..: 10:04		
Chloride		WO#:J9VLD1AC-LCS/J9VLD1AD-LCSD LCS Lot-Sample#: D7J250000-553					
	101	(90 - 110)			MCAWW 300.0A	10/24/07	7298553
	101	(90 - 110)	0.19	(0-10)	MCAWW 300.0A	10/24/07	7298553
		Dilution Factor: 1			Analysis Time..: 14:35		
Fluoride		WO#:J8J5L1AC-LCS/J8J5L1AD-LCSD LCS Lot-Sample#: D7J050000-595					
	97	(90 - 110)			MCAWW 300.0A	10/04/07	7278595
	97	(90 - 110)	0.03	(0-10)	MCAWW 300.0A	10/04/07	7278595
		Dilution Factor: 1			Analysis Time..: 11:12		
Fluoride		WO#:J8J561AC-LCS/J8J561AD-LCSD LCS Lot-Sample#: D7J050000-600					
	97	(90 - 110)			MCAWW 300.0A	10/04/07	7278600
	97	(90 - 110)	0.26	(0-10)	MCAWW 300.0A	10/04/07	7278600
		Dilution Factor: 1			Analysis Time..: 21:13		
Fluoride		WO#:J8J6H1AC-LCS/J8J6H1AD-LCSD LCS Lot-Sample#: D7J050000-604					
	97	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278604
	97	(90 - 110)	0.18	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278604
		Dilution Factor: 1			Analysis Time..: 03:51		
Fluoride		WO#:J8KJT1AC-LCS/J8KJT1AD-LCSD LCS Lot-Sample#: D7J060000-102					
	102	(90 - 110)			MCAWW 300.0A	10/05/07	7279102
	103	(90 - 110)	1.0	(0-10)	MCAWW 300.0A	10/05/07	7279102
		Dilution Factor: 1			Analysis Time..: 09:49		
Fluoride		WO#:J816H1AC-LCS/J816H1AD-LCSD LCS Lot-Sample#: D7J150000-460					
	104	(90 - 110)			MCAWW 300.0A	10/13/07	7288460
	104	(90 - 110)	0.03	(0-10)	MCAWW 300.0A	10/13/07	7288460
		Dilution Factor: 1			Analysis Time..: 10:04		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:J9L4X1AC-LCS/J9L4X1AD-LCSD LCS Lot-Sample#: D7J230000-364					
	106	(90 - 112)			MCAWW 353.2	10/22/07	7296364
	107	(90 - 112)	1.1	(0-10)	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L421AC-LCS/J9L421AD-LCSD LCS Lot-Sample#: D7J230000-366					
	105	(90 - 112)			MCAWW 353.2	10/22/07	7296366
	106	(90 - 112)	0.94	(0-10)	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L471AC-LCS/J9L471AD-LCSD LCS Lot-Sample#: D7J230000-368					
	105	(90 - 112)			MCAWW 353.2	10/22/07	7296368
	108	(90 - 112)	2.4	(0-10)	MCAWW 353.2	10/22/07	7296368
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L5J1AC-LCS/J9L5J1AD-LCSD LCS Lot-Sample#: D7J230000-371					
	107	(90 - 112)			MCAWW 353.2	10/22/07	7296371
	106	(90 - 112)	0.86	(0-10)	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9XKM1AC-LCS/J9XKM1AD-LCSD LCS Lot-Sample#: D7J260000-334					
	100	(90 - 112)			MCAWW 353.2	10/25/07	7299334
	102	(90 - 112)	1.7	(0-10)	MCAWW 353.2	10/25/07	7299334
		Dilution Factor: 1			Analysis Time..: 10:02		
Nitrate-Nitrite		WO#:KAJDW1AC-LCS/KAJDW1AD-LCSD LCS Lot-Sample#: D7K050000-245					
	107	(90 - 112)			MCAWW 353.2	11/01/07	7309245
	107	(90 - 112)	0.46	(0-10)	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1			Analysis Time..: 09:00		
Phosphate as P, Ortho		WO#:J8F3A1AC-LCS/J8F3A1AD-LCSD LCS Lot-Sample#: D7J060000-121					
	94	(90 - 110)			MCAWW 300.0A	10/05-10/06/07	7279121
	93	(90 - 110)	0.53	(0-10)	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1			Analysis Time..: 08:05		
Phosphate as P, Ortho		WO#:J8J5X1AC-LCS/J8J5X1AD-LCSD LCS Lot-Sample#: D7J050000-596					
	93	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278596
	93	(90 - 110)	0.15	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278596
		Dilution Factor: 1			Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho		WO#:J8J6C1AC-LCS/J8J6C1AD-LCSD LCS Lot-Sample#: D7J050000-601					
	96	(90 - 110)			MCAWW 300.0A	10/04/07	7278601
	94	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1			Analysis Time..: 21:13		
Phosphate as P, Ortho		WO#:J8J6M1AC-LCS/J8J6M1AD-LCSD LCS Lot-Sample#: D7J050000-605					
	95	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278605
	96	(90 - 110)	0.71	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1			Analysis Time..: 03:51		
Phosphate as P, Ortho		WO#:J8KKL1AC-LCS/J8KKL1AD-LCSD LCS Lot-Sample#: D7J060000-103					
	100	(90 - 110)			MCAWW 300.0A	10/05/07	7279103
	101	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1			Analysis Time..: 09:49		
Phosphate as P, Ortho		WO#:J816W1AC-LCS/J816W1AD-LCSD LCS Lot-Sample#: D7J150000-459					
	101	(90 - 110)			MCAWW 300.0A	10/13/07	7288459
	101	(90 - 110)	0.11	(0-10)	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1			Analysis Time..: 10:04		
Sulfate		WO#:J8APE1AC-LCS/J8APE1AD-LCSD LCS Lot-Sample#: D7J050000-122					
	102	(90 - 110)			MCAWW 300.0A	10/04/07	7278122
	101	(90 - 110)	1.2	(0-10)	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1			Analysis Time..: 12:21		
Sulfate		WO#:J8CWW1AC-LCS/J8CWW1AD-LCSD LCS Lot-Sample#: D7J050000-135					
	100	(90 - 110)			MCAWW 300.0A	10/04/07	7278135
	101	(90 - 110)	0.79	(0-10)	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 1			Analysis Time..: 21:24		
Sulfate		WO#:J8J521AC-LCS/J8J521AD-LCSD LCS Lot-Sample#: D7J050000-597					
	94	(90 - 110)			MCAWW 300.0A	10/04/07	7278597
	94	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	10/04/07	7278597
		Dilution Factor: 1			Analysis Time..: 11:12		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:J8J6N1AC-LCS/J8J6N1AD-LCSD LCS Lot-Sample#: D7J050000-606					
	96	(90 - 110)			MCAWW 300.0A	10/05/07	7278606
	94	(90 - 110)	1.8	(0-10)	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1			Analysis Time..: 03:51		
Sulfate		WO#:J8KKN1AC-LCS/J8KKN1AD-LCSD LCS Lot-Sample#: D7J060000-099					
	100	(90 - 110)			MCAWW 300.0A	10/05/07	7279099
	101	(90 - 110)	1.3	(0-10)	MCAWW 300.0A	10/05/07	7279099
		Dilution Factor: 1			Analysis Time..: 09:49		
Sulfate		WO#:J816X1AC-LCS/J816X1AD-LCSD LCS Lot-Sample#: D7J150000-455					
	102	(90 - 110)			MCAWW 300.0A	10/13/07	7288455
	102	(90 - 110)	0.16	(0-10)	MCAWW 300.0A	10/13/07	7288455
		Dilution Factor: 1			Analysis Time..: 10:04		
Sulfate		WO#:KACL61AC-LCS/KACL61AD-LCSD LCS Lot-Sample#: D7K010000-370					
	107	(90 - 110)			MCAWW 300.0A	10/31/07	7305370
	107	(90 - 110)	0.06	(0-10)	MCAWW 300.0A	10/31/07	7305370
		Dilution Factor: 1			Analysis Time..: 11:18		
Total Alkalinity		WO#:J8E6F1AC-LCS/J8E6F1AD-LCSD LCS Lot-Sample#: D7J060000-141					
	94	(90 - 110)			MCAWW 310.1	10/05/07	7279141
	98	(90 - 110)	4.2	(0-10)	MCAWW 310.1	10/05/07	7279141
		Dilution Factor: 1			Analysis Time..: 09:00		
Total Alkalinity		WO#:J8JN51AC-LCS/J8JN51AD-LCSD LCS Lot-Sample#: D7J090000-447					
	95	(90 - 110)			MCAWW 310.1	10/06/07	7282447
	96	(90 - 110)	0.52	(0-10)	MCAWW 310.1	10/06/07	7282447
		Dilution Factor: 1			Analysis Time..: 15:00		
Total Alkalinity		WO#:J8JPV1AC-LCS/J8JPV1AD-LCSD LCS Lot-Sample#: D7J090000-449					
	98	(90 - 110)			MCAWW 310.1	10/06/07	7282449
	96	(90 - 110)	1.0	(0-10)	MCAWW 310.1	10/06/07	7282449
		Dilution Factor: 1			Analysis Time..: 15:00		
Total Alkalinity		WO#:J8MFT1AC-LCS/J8MFT1AD-LCSD LCS Lot-Sample#: D7J100000-437					
	96	(90 - 110)			MCAWW 310.1	10/09/07	7283437
	97	(90 - 110)	1.6	(0-10)	MCAWW 310.1	10/09/07	7283437
		Dilution Factor: 1			Analysis Time..: 18:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:J9CV81AC-LCS/J9CV81AD-LCSD LCS Lot-Sample#: D7J180000-487					
	97	(90 - 110)			MCAWW 310.1	10/17/07	7291487
	97	(90 - 110)	0.0	(0-10)	MCAWW 310.1	10/17/07	7291487
		Dilution Factor: 1			Analysis Time..: 19:00		
Total Alkalinity		WO#:J9G981AC-LCS/J9G981AD-LCSD LCS Lot-Sample#: D7J200000-109					
	96	(90 - 110)			MCAWW 310.1	10/18/07	7293109
	96	(90 - 110)	1.0	(0-10)	MCAWW 310.1	10/18/07	7293109
		Dilution Factor: 1			Analysis Time..: 17:00		
Total Dissolved Solids		WO#:J8L771AC-LCS/J8L771AD-LCSD LCS Lot-Sample#: D7J080000-479					
	95	(86 - 106)			MCAWW 160.1	10/08/07	7281479
	104	(86 - 106)	8.4	(0-20)	MCAWW 160.1	10/08/07	7281479
		Dilution Factor: 1			Analysis Time..: 18:20		
Total Dissolved Solids		WO#:J8L8M1AC-LCS/J8L8M1AD-LCSD LCS Lot-Sample#: D7J080000-482					
	97	(86 - 106)			MCAWW 160.1	10/08/07	7281482
	99	(86 - 106)	2.0	(0-20)	MCAWW 160.1	10/08/07	7281482
		Dilution Factor: 1			Analysis Time..: 18:40		
Total Dissolved Solids		WO#:J8X2A1AC-LCS/J8X2A1AD-LCSD LCS Lot-Sample#: D7J090000-618					
	101	(86 - 106)			MCAWW 160.1	10/09/07	7282618
	104	(86 - 106)	2.7	(0-20)	MCAWW 160.1	10/09/07	7282618
		Dilution Factor: 1			Analysis Time..: 17:15		
Total Dissolved Solids		WO#:J8X2E1AC-LCS/J8X2E1AD-LCSD LCS Lot-Sample#: D7J090000-619					
	102	(86 - 106)			MCAWW 160.1	10/09/07	7282619
	100	(86 - 106)	2.2	(0-20)	MCAWW 160.1	10/09/07	7282619
		Dilution Factor: 1			Analysis Time..: 17:40		
Total Dissolved Solids		WO#:J8X2G1AC-LCS/J8X2G1AD-LCSD LCS Lot-Sample#: D7J100000-631					
	103	(86 - 106)			MCAWW 160.1	10/10/07	7283631
	103	(86 - 106)	0.77	(0-20)	MCAWW 160.1	10/10/07	7283631
		Dilution Factor: 1			Analysis Time..: 17:30		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:J8X2H1AC-LCS/J8X2H1AD-LCSD LCS Lot-Sample#: D7J100000-633					
	103	(86 - 106)			MCAWW 160.1	10/10/07	7283633
	101	(86 - 106)	2.0	(0-20)	MCAWW 160.1	10/10/07	7283633
		Dilution Factor: 1			Analysis Time..: 18:15		
Total Dissolved Solids		WO#:J80G71AC-LCS/J80G71AD-LCSD LCS Lot-Sample#: D7J110000-602					
	99	(86 - 106)			MCAWW 160.1	10/11/07	7284602
	99	(86 - 106)	0.40	(0-20)	MCAWW 160.1	10/11/07	7284602
		Dilution Factor: 1			Analysis Time..: 14:40		
Total Dissolved Solids		WO#:J9GNP1AC-LCS/J9GNP1AD-LCSD LCS Lot-Sample#: D7J160000-570					
	101	(86 - 106)			MCAWW 160.1	10/16/07	7289570
	99	(86 - 106)	2.0	(0-20)	MCAWW 160.1	10/16/07	7289570
		Dilution Factor: 1			Analysis Time..: 14:10		
Total Dissolved Solids		WO#:J9P5V1AC-LCS/J9P5V1AD-LCSD LCS Lot-Sample#: D7J180000-637					
	98	(86 - 106)			MCAWW 160.1	10/18/07	7291637
	100	(86 - 106)	2.2	(0-20)	MCAWW 160.1	10/18/07	7291637
		Dilution Factor: 1			Analysis Time..: 21:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#:J8J5T1AC-LCS/J8J5T1AD-LCSD LCS Lot-Sample#: D7J050000-593					
	5.00	4.85	mg/L	97		MCAWW 300.0A	10/04/07	7278593
	5.00	4.84	mg/L	97	0.14	MCAWW 300.0A	10/04/07	7278593
			Dilution Factor: 1			Analysis Time..: 11:12		
Bromide			WO#:J8J591AC-LCS/J8J591AD-LCSD LCS Lot-Sample#: D7J050000-598					
	5.00	4.89	mg/L	98		MCAWW 300.0A	10/04/07	7278598
	5.00	4.85	mg/L	97	0.80	MCAWW 300.0A	10/04/07	7278598
			Dilution Factor: 1			Analysis Time..: 21:13		
Bromide			WO#:J8J6L1AC-LCS/J8J6L1AD-LCSD LCS Lot-Sample#: D7J050000-602					
	5.00	4.86	mg/L	97		MCAWW 300.0A	10/04-10/05/07	7278602
	5.00	4.86	mg/L	97	0.05	MCAWW 300.0A	10/04-10/05/07	7278602
			Dilution Factor: 1			Analysis Time..: 03:51		
Bromide			WO#:J8KKA1AC-LCS/J8KKA1AD-LCSD LCS Lot-Sample#: D7J060000-100					
	5.00	4.94	mg/L	99		MCAWW 300.0A	10/05/07	7279100
	5.00	4.99	mg/L	100	1.0	MCAWW 300.0A	10/05/07	7279100
			Dilution Factor: 1			Analysis Time..: 09:49		
Bromide			WO#:J816Q1AC-LCS/J816Q1AD-LCSD LCS Lot-Sample#: D7J150000-457					
	5.00	5.05	mg/L	101		MCAWW 300.0A	10/13/07	7288457
	5.00	5.07	mg/L	101	0.34	MCAWW 300.0A	10/13/07	7288457
			Dilution Factor: 1			Analysis Time..: 10:04		
Chloride			WO#:J8J5P1AC-LCS/J8J5P1AD-LCSD LCS Lot-Sample#: D7J050000-594					
	25.0	23.2	mg/L	93		MCAWW 300.0A	10/04/07	7278594
	25.0	23.2	mg/L	93	0.26	MCAWW 300.0A	10/04/07	7278594
			Dilution Factor: 1			Analysis Time..: 11:12		
Chloride			WO#:J8J571AC-LCS/J8J571AD-LCSD LCS Lot-Sample#: D7J050000-599					
	25.0	23.4	mg/L	94		MCAWW 300.0A	10/04/07	7278599
	25.0	23.3	mg/L	93	0.46	MCAWW 300.0A	10/04/07	7278599
			Dilution Factor: 1			Analysis Time..: 21:13		
Chloride			WO#:J8J6J1AC-LCS/J8J6J1AD-LCSD LCS Lot-Sample#: D7J050000-603					
	25.0	23.4	mg/L	94		MCAWW 300.0A	10/04-10/05/07	7278603
	25.0	23.3	mg/L	93	0.36	MCAWW 300.0A	10/04-10/05/07	7278603
			Dilution Factor: 1			Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#:J8KJ01AC-LCS/J8KJ01AD-LCSD LCS Lot-Sample#: D7J060000-101					
	25.0	25.0	mg/L	100		MCAWW 300.0A	10/05/07	7279101
	25.0	25.4	mg/L	102	1.6	MCAWW 300.0A	10/05/07	7279101
			Dilution Factor: 1			Analysis Time..: 09:49		
Chloride			WO#:J816K1AC-LCS/J816K1AD-LCSD LCS Lot-Sample#: D7J150000-454					
	25.0	25.7	mg/L	103		MCAWW 300.0A	10/13/07	7288454
	25.0	25.7	mg/L	103	0.14	MCAWW 300.0A	10/13/07	7288454
			Dilution Factor: 1			Analysis Time..: 10:04		
Chloride			WO#:J9VLD1AC-LCS/J9VLD1AD-LCSD LCS Lot-Sample#: D7J250000-553					
	25.0	25.2	mg/L	101		MCAWW 300.0A	10/24/07	7298553
	25.0	25.2	mg/L	101	0.19	MCAWW 300.0A	10/24/07	7298553
			Dilution Factor: 1			Analysis Time..: 14:35		
Fluoride			WO#:J8J5L1AC-LCS/J8J5L1AD-LCSD LCS Lot-Sample#: D7J050000-595					
	5.00	4.84	mg/L	97		MCAWW 300.0A	10/04/07	7278595
	5.00	4.84	mg/L	97	0.03	MCAWW 300.0A	10/04/07	7278595
			Dilution Factor: 1			Analysis Time..: 11:12		
Fluoride			WO#:J8J561AC-LCS/J8J561AD-LCSD LCS Lot-Sample#: D7J050000-600					
	5.00	4.86	mg/L	97		MCAWW 300.0A	10/04/07	7278600
	5.00	4.85	mg/L	97	0.26	MCAWW 300.0A	10/04/07	7278600
			Dilution Factor: 1			Analysis Time..: 21:13		
Fluoride			WO#:J8J6H1AC-LCS/J8J6H1AD-LCSD LCS Lot-Sample#: D7J050000-604					
	5.00	4.86	mg/L	97		MCAWW 300.0A	10/04-10/05/07	7278604
	5.00	4.85	mg/L	97	0.18	MCAWW 300.0A	10/04-10/05/07	7278604
			Dilution Factor: 1			Analysis Time..: 03:51		
Fluoride			WO#:J8KJT1AC-LCS/J8KJT1AD-LCSD LCS Lot-Sample#: D7J060000-102					
	5.00	5.11	mg/L	102		MCAWW 300.0A	10/05/07	7279102
	5.00	5.17	mg/L	103	1.0	MCAWW 300.0A	10/05/07	7279102
			Dilution Factor: 1			Analysis Time..: 09:49		
Fluoride			WO#:J816H1AC-LCS/J816H1AD-LCSD LCS Lot-Sample#: D7J150000-460					
	5.00	5.22	mg/L	104		MCAWW 300.0A	10/13/07	7288460
	5.00	5.22	mg/L	104	0.03	MCAWW 300.0A	10/13/07	7288460
			Dilution Factor: 1			Analysis Time..: 10:04		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:J9L4X1AC-LCS/J9L4X1AD-LCSD LCS Lot-Sample#: D7J230000-364						
	4.00	4.24	mg/L	106		MCAWW 353.2	10/22/07	7296364
	4.00	4.28	mg/L	107	1.1	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1		Analysis Time..: 06:00				
Nitrate-Nitrite		WO#:J9L421AC-LCS/J9L421AD-LCSD LCS Lot-Sample#: D7J230000-366						
	4.00	4.19	mg/L	105		MCAWW 353.2	10/22/07	7296366
	4.00	4.23	mg/L	106	0.94	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1		Analysis Time..: 06:00				
Nitrate-Nitrite		WO#:J9L471AC-LCS/J9L471AD-LCSD LCS Lot-Sample#: D7J230000-368						
	4.00	4.20	mg/L	105		MCAWW 353.2	10/22/07	7296368
	4.00	4.30	mg/L	108	2.4	MCAWW 353.2	10/22/07	7296368
		Dilution Factor: 1		Analysis Time..: 06:00				
Nitrate-Nitrite		WO#:J9L5J1AC-LCS/J9L5J1AD-LCSD LCS Lot-Sample#: D7J230000-371						
	4.00	4.27	mg/L	107		MCAWW 353.2	10/22/07	7296371
	4.00	4.24	mg/L	106	0.86	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1		Analysis Time..: 06:00				
Nitrate-Nitrite		WO#:J9XKM1AC-LCS/J9XKM1AD-LCSD LCS Lot-Sample#: D7J260000-334						
	4.00	4.01	mg/L	100		MCAWW 353.2	10/25/07	7299334
	4.00	4.08	mg/L	102	1.7	MCAWW 353.2	10/25/07	7299334
		Dilution Factor: 1		Analysis Time..: 10:02				
Nitrate-Nitrite		WO#:KAJDW1AC-LCS/KAJDW1AD-LCSD LCS Lot-Sample#: D7K050000-245						
	4.00	4.27	mg/L	107		MCAWW 353.2	11/01/07	7309245
	4.00	4.29	mg/L	107	0.46	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1		Analysis Time..: 09:00				
Phosphate as P, Ortho		WO#:J8F3A1AC-LCS/J8F3A1AD-LCSD LCS Lot-Sample#: D7J060000-121						
	5.00	4.70	mg/L	94		MCAWW 300.0A	10/05-10/06/07	7279121
	5.00	4.67	mg/L	93	0.53	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1		Analysis Time..: 08:05				
Phosphate as P, Ortho		WO#:J8J5X1AC-LCS/J8J5X1AD-LCSD LCS Lot-Sample#: D7J050000-596						
	5.00	4.63	mg/L	93		MCAWW 300.0A	10/04-10/05/07	7278596
	5.00	4.64	mg/L	93	0.15	MCAWW 300.0A	10/04-10/05/07	7278596
		Dilution Factor: 1		Analysis Time..: 03:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho			WO#:J8J6C1AC-LCS/J8J6C1AD-LCSD LCS Lot-Sample#: D7J050000-601					
	5.00	4.78	mg/L	96		MCAWW 300.0A	10/04/07	7278601
	5.00	4.71	mg/L	94	1.6	MCAWW 300.0A	10/04/07	7278601
			Dilution Factor: 1			Analysis Time..: 21:13		
Phosphate as P, Ortho			WO#:J8J6M1AC-LCS/J8J6M1AD-LCSD LCS Lot-Sample#: D7J050000-605					
	5.00	4.75	mg/L	95		MCAWW 300.0A	10/04-10/05/07	7278605
	5.00	4.79	mg/L	96	0.71	MCAWW 300.0A	10/04-10/05/07	7278605
			Dilution Factor: 1			Analysis Time..: 03:51		
Phosphate as P, Ortho			WO#:J8KKL1AC-LCS/J8KKL1AD-LCSD LCS Lot-Sample#: D7J060000-103					
	5.00	4.99	mg/L	100		MCAWW 300.0A	10/05/07	7279103
	5.00	5.07	mg/L	101	1.6	MCAWW 300.0A	10/05/07	7279103
			Dilution Factor: 1			Analysis Time..: 09:49		
Phosphate as P, Ortho			WO#:J816W1AC-LCS/J816W1AD-LCSD LCS Lot-Sample#: D7J150000-459					
	5.00	5.05	mg/L	101		MCAWW 300.0A	10/13/07	7288459
	5.00	5.06	mg/L	101	0.11	MCAWW 300.0A	10/13/07	7288459
			Dilution Factor: 1			Analysis Time..: 10:04		
Sulfate			WO#:J8APE1AC-LCS/J8APE1AD-LCSD LCS Lot-Sample#: D7J050000-122					
	25.0	25.6	mg/L	102		MCAWW 300.0A	10/04/07	7278122
	25.0	25.3	mg/L	101	1.2	MCAWW 300.0A	10/04/07	7278122
			Dilution Factor: 1			Analysis Time..: 12:21		
Sulfate			WO#:J8CWW1AC-LCS/J8CWW1AD-LCSD LCS Lot-Sample#: D7J050000-135					
	25.0	25.1	mg/L	100		MCAWW 300.0A	10/04/07	7278135
	25.0	25.3	mg/L	101	0.79	MCAWW 300.0A	10/04/07	7278135
			Dilution Factor: 1			Analysis Time..: 21:24		
Sulfate			WO#:J8J521AC-LCS/J8J521AD-LCSD LCS Lot-Sample#: D7J050000-597					
	25.0	23.5	mg/L	94		MCAWW 300.0A	10/04/07	7278597
	25.0	23.4	mg/L	94	0.05	MCAWW 300.0A	10/04/07	7278597
			Dilution Factor: 1			Analysis Time..: 11:12		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#:J8J6N1AC-LCS/J8J6N1AD-LCSD LCS Lot-Sample#: D7J050000-606					
	25.0	24.0	mg/L	96		MCAWW 300.0A	10/05/07	7278606
	25.0	23.5	mg/L	94	1.8	MCAWW 300.0A	10/05/07	7278606
			Dilution Factor: 1			Analysis Time..: 03:51		
Sulfate			WO#:J8KKN1AC-LCS/J8KKN1AD-LCSD LCS Lot-Sample#: D7J060000-099					
	25.0	25.0	mg/L	100		MCAWW 300.0A	10/05/07	7279099
	25.0	25.3	mg/L	101	1.3	MCAWW 300.0A	10/05/07	7279099
			Dilution Factor: 1			Analysis Time..: 09:49		
Sulfate			WO#:J816X1AC-LCS/J816X1AD-LCSD LCS Lot-Sample#: D7J150000-455					
	25.0	25.6	mg/L	102		MCAWW 300.0A	10/13/07	7288455
	25.0	25.6	mg/L	102	0.16	MCAWW 300.0A	10/13/07	7288455
			Dilution Factor: 1			Analysis Time..: 10:04		
Sulfate			WO#:KACL61AC-LCS/KACL61AD-LCSD LCS Lot-Sample#: D7K010000-370					
	25.0	26.8	mg/L	107		MCAWW 300.0A	10/31/07	7305370
	25.0	26.8	mg/L	107	0.06	MCAWW 300.0A	10/31/07	7305370
			Dilution Factor: 1			Analysis Time..: 11:18		
Total Alkalinity			WO#:J8E6F1AC-LCS/J8E6F1AD-LCSD LCS Lot-Sample#: D7J060000-141					
	200	187	mg/L	94		MCAWW 310.1	10/05/07	7279141
	200	195	mg/L	98	4.2	MCAWW 310.1	10/05/07	7279141
			Dilution Factor: 1			Analysis Time..: 09:00		
Total Alkalinity			WO#:J8JN51AC-LCS/J8JN51AD-LCSD LCS Lot-Sample#: D7J090000-447					
	200	190	mg/L	95		MCAWW 310.1	10/06/07	7282447
	200	191	mg/L	96	0.52	MCAWW 310.1	10/06/07	7282447
			Dilution Factor: 1			Analysis Time..: 15:00		
Total Alkalinity			WO#:J8JPV1AC-LCS/J8JPV1AD-LCSD LCS Lot-Sample#: D7J090000-449					
	200	195	mg/L	98		MCAWW 310.1	10/06/07	7282449
	200	193	mg/L	96	1.0	MCAWW 310.1	10/06/07	7282449
			Dilution Factor: 1			Analysis Time..: 15:00		
Total Alkalinity			WO#:J8MFT1AC-LCS/J8MFT1AD-LCSD LCS Lot-Sample#: D7J100000-437					
	200	191	mg/L	96		MCAWW 310.1	10/09/07	7283437
	200	194	mg/L	97	1.6	MCAWW 310.1	10/09/07	7283437
			Dilution Factor: 1			Analysis Time..: 18:00		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:J9CV81AC-LCS/J9CV81AD-LCSD				LCS Lot-Sample#: D7J180000-487		
	200	194	mg/L	97		MCAWW 310.1	10/17/07	7291487
	200	194	mg/L	97	0.0	MCAWW 310.1	10/17/07	7291487
		Dilution Factor: 1				Analysis Time..: 19:00		
Total Alkalinity		WO#:J9G981AC-LCS/J9G981AD-LCSD				LCS Lot-Sample#: D7J200000-109		
	200	191	mg/L	96		MCAWW 310.1	10/18/07	7293109
	200	193	mg/L	96	1.0	MCAWW 310.1	10/18/07	7293109
		Dilution Factor: 1				Analysis Time..: 17:00		
Total Dissolved Solids		WO#:J8L771AC-LCS/J8L771AD-LCSD				LCS Lot-Sample#: D7J080000-479		
	500	476	mg/L	95		MCAWW 160.1	10/08/07	7281479
	500	518	mg/L	104	8.4	MCAWW 160.1	10/08/07	7281479
		Dilution Factor: 1				Analysis Time..: 18:20		
Total Dissolved Solids		WO#:J8L8M1AC-LCS/J8L8M1AD-LCSD				LCS Lot-Sample#: D7J080000-482		
	500	487	mg/L	97		MCAWW 160.1	10/08/07	7281482
	500	497	mg/L	99	2.0	MCAWW 160.1	10/08/07	7281482
		Dilution Factor: 1				Analysis Time..: 18:40		
Total Dissolved Solids		WO#:J8X2A1AC-LCS/J8X2A1AD-LCSD				LCS Lot-Sample#: D7J090000-618		
	500	504	mg/L	101		MCAWW 160.1	10/09/07	7282618
	500	518	mg/L	104	2.7	MCAWW 160.1	10/09/07	7282618
		Dilution Factor: 1				Analysis Time..: 17:15		
Total Dissolved Solids		WO#:J8X2E1AC-LCS/J8X2E1AD-LCSD				LCS Lot-Sample#: D7J090000-619		
	500	511	mg/L	102		MCAWW 160.1	10/09/07	7282619
	500	500	mg/L	100	2.2	MCAWW 160.1	10/09/07	7282619
		Dilution Factor: 1				Analysis Time..: 17:40		
Total Dissolved Solids		WO#:J8X2G1AC-LCS/J8X2G1AD-LCSD				LCS Lot-Sample#: D7J100000-631		
	500	517	mg/L	103		MCAWW 160.1	10/10/07	7283631
	500	513	mg/L	103	0.77	MCAWW 160.1	10/10/07	7283631
		Dilution Factor: 1				Analysis Time..: 17:30		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:J8X2H1AC-LCS/J8X2H1AD-LCSD LCS Lot-Sample#: D7J100000-633						
	500	513	mg/L	103		MCAWW 160.1	10/10/07	7283633
	500	503	mg/L	101	2.0	MCAWW 160.1	10/10/07	7283633
		Dilution Factor: 1		Analysis Time..: 18:15				
Total Dissolved Solids		WO#:J80G71AC-LCS/J80G71AD-LCSD LCS Lot-Sample#: D7J110000-602						
	500	495	mg/L	99		MCAWW 160.1	10/11/07	7284602
	500	493	mg/L	99	0.40	MCAWW 160.1	10/11/07	7284602
		Dilution Factor: 1		Analysis Time..: 14:40				
Total Dissolved Solids		WO#:J9GNP1AC-LCS/J9GNP1AD-LCSD LCS Lot-Sample#: D7J160000-570						
	500	505	mg/L	101		MCAWW 160.1	10/16/07	7289570
	500	495	mg/L	99	2.0	MCAWW 160.1	10/16/07	7289570
		Dilution Factor: 1		Analysis Time..: 14:10				
Total Dissolved Solids		WO#:J9P5V1AC-LCS/J9P5V1AD-LCSD LCS Lot-Sample#: D7J180000-637						
	500	489	mg/L	98		MCAWW 160.1	10/18/07	7291637
	500	500	mg/L	100	2.2	MCAWW 160.1	10/18/07	7291637
		Dilution Factor: 1		Analysis Time..: 21:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: J78KK1AX-MS/J78KK1A0-MSD			MS Lot-Sample #: D7J040153-001	
	94	(90 - 110)			MCAWW 300.0A	10/04/07	7278586
	95	(90 - 110)	0.50	(0-10)	MCAWW 300.0A	10/04/07	7278586
		Dilution Factor: 5					
		Analysis Time..: 12:36					
Bromide			WO#: J78PD1CM-MS/J78PD1CN-MSD			MS Lot-Sample #: D7J040166-006	
	97	(80 - 120)			MCAWW 300.0A	10/04/07	7278598
	102	(80 - 120)	5.5	(0-20)	MCAWW 300.0A	10/04/07	7278598
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Bromide			WO#: J78QQ1CK-MS/J78QQ1CL-MSD			MS Lot-Sample #: D7J040166-033	
	99	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278602
	98	(80 - 120)	0.19	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278602
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Bromide			WO#: J8CC01DK-MS/J8CC01DL-MSD			MS Lot-Sample #: D7J050164-004	
	96	(80 - 120)			MCAWW 300.0A	10/05/07	7279100
	92	(80 - 120)	3.8	(0-20)	MCAWW 300.0A	10/05/07	7279100
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Chloride			WO#: J78KK1A1-MS/J78KK1A2-MSD			MS Lot-Sample #: D7J040153-001	
	114 N	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278587
	113 N	(90 - 110)	0.51	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278587
		Dilution Factor: 10					
		Analysis Time..: 06:04					
Chloride			WO#: J78PD1CK-MS/J78PD1CL-MSD			MS Lot-Sample #: D7J040166-006	
	112 I	(80 - 120)			MCAWW 300.0A	10/04/07	7278599
	118 I	(80 - 120)	2.8	(0-20)	MCAWW 300.0A	10/04/07	7278599
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Chloride			WO#: J78PX1CF-MS/J78PX1CG-MSD			MS Lot-Sample #: D7J040166-016	
	105	(80 - 120)			MCAWW 300.0A	10/24/07	7298553
	106	(80 - 120)	0.54	(0-20)	MCAWW 300.0A	10/24/07	7298553
		Dilution Factor: 2					
		Analysis Time..: 22:27					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#: J78QQ1CH-MS/J78QQ1CJ-MSD				MS Lot-Sample #: D7J040166-033	
	114 I	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278603
	113 I	(80 - 120)	0.41	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278603
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Chloride		WO#: J8CC01EA-MS/J8CC01EC-MSD				MS Lot-Sample #: D7J050164-004	
	100 I	(80 - 120)			MCAWW 300.0A	10/05/07	7279101
	96 I	(80 - 120)	1.4	(0-20)	MCAWW 300.0A	10/05/07	7279101
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Fluoride		WO#: J78KK1A3-MS/J78KK1A4-MSD				MS Lot-Sample #: D7J040153-001	
	85 N	(90 - 110)			MCAWW 300.0A	10/04/07	7278588
	94 *	(90 - 110)	11	(0-10)	MCAWW 300.0A	10/04/07	7278588
		Dilution Factor: 5					
		Analysis Time..: 12:36					
Fluoride		WO#: J78PD1CH-MS/J78PD1CJ-MSD				MS Lot-Sample #: D7J040166-006	
	93	(80 - 120)			MCAWW 300.0A	10/04/07	7278600
	97	(80 - 120)	2.9	(0-20)	MCAWW 300.0A	10/04/07	7278600
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Fluoride		WO#: J78QQ1CF-MS/J78QQ1CG-MSD				MS Lot-Sample #: D7J040166-033	
	95	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278604
	94	(80 - 120)	0.91	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278604
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Fluoride		WO#: J8CC01ED-MS/J8CC01EE-MSD				MS Lot-Sample #: D7J050164-004	
	107	(80 - 120)			MCAWW 300.0A	10/05/07	7279102
	102	(80 - 120)	2.8	(0-20)	MCAWW 300.0A	10/05/07	7279102
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Nitrate-Nitrite		WO#: J8CC01DH-MS/J8CC01DJ-MSD				MS Lot-Sample #: D7J050164-004	
	84	(72 - 113)			MCAWW 353.2	10/22/07	7296371
	84	(72 - 113)	0.38	(0-17)	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1					
		Analysis Time..: 06:00					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#: J9D0M1ED-MS/J9D0M1EE-MSD				MS Lot-Sample #: D7J190186-001	
	95	(72 - 113)			MCAWW 353.2	11/01/07	7309245
	98	(72 - 113)	2.0	(0-17)	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Phosphate as P, Ortho		WO#: J78KK1CC-MS/J78KK1CD-MSD				MS Lot-Sample #: D7J040153-001	
	77 N	(90 - 110)			MCAWW 300.0A	10/04/07	7278592
	90 *	(90 - 110)	16	(0-10)	MCAWW 300.0A	10/04/07	7278592
		Dilution Factor: 5					
		Analysis Time..: 12:36					
Phosphate as P, Ortho		WO#: J78PD1CP-MS/J78PD1CQ-MSD				MS Lot-Sample #: D7J040166-006	
	59 N	(80 - 120)			MCAWW 300.0A	10/04/07	7278601
	36 N,*	(80 - 120)	49	(0-20)	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Phosphate as P, Ortho		WO#: J78QQ1CM-MS/J78QQ1CN-MSD				MS Lot-Sample #: D7J040166-033	
	52 N	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278605
	37 N,*	(80 - 120)	34	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Phosphate as P, Ortho		WO#: J8CC01EF-MS/J8CC01EG-MSD				MS Lot-Sample #: D7J050164-004	
	749 N	(80 - 120)			MCAWW 300.0A	10/05/07	7279103
	109 *	(80 - 120)	148	(0-20)	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Phosphate as P, Ortho		WO#: J8CNL1AR-MS/J8CNL1AT-MSD				MS Lot-Sample #: D7J050194-004	
	39 N	(90 - 110)			MCAWW 300.0A	10/05-10/06/07	7279122
	44 N,*	(90 - 110)	12	(0-10)	MCAWW 300.0A	10/05-10/06/07	7279122
		Dilution Factor: 10					
		Analysis Time..: 10:01					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#: J78EW1CL-MS/J78EW1CM-MSD				MS Lot-Sample #: D7J040133-002	
	90	(80 - 120)			MCAWW 300.0A	10/04/07	7278122
	90	(80 - 120)	0.04	(0-20)	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1					
		Analysis Time..: 14:51					
Sulfate		WO#: J78KK1A9-MS/J78KK1CA-MSD				MS Lot-Sample #: D7J040153-001	
	135 N	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278591
	112 N	(90 - 110)	9.6	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278591
		Dilution Factor: 200					
		Analysis Time..: 07:11					
Sulfate		WO#: J78PD1CF-MS/J78PD1CG-MSD				MS Lot-Sample #: D7J040166-006	
	94	(80 - 120)			MCAWW 300.0A	10/04/07	7278135
	94	(80 - 120)	0.29	(0-20)	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 5					
		Analysis Time..: 23:25					
Sulfate		WO#: J78WA1AV-MS/J78WA1AW-MSD				MS Lot-Sample #: D7J040188-008	
	95 I	(80 - 120)			MCAWW 300.0A	10/05/07	7279099
	95 I	(80 - 120)	0.24	(0-20)	MCAWW 300.0A	10/05/07	7279099
		Dilution Factor: 1					
		Analysis Time..: 14:24					
Sulfate		WO#: J8CCV1CF-MS/J8CCV1CG-MSD				MS Lot-Sample #: D7J050164-002	
	109 I	(80 - 120)			MCAWW 300.0A	10/05/07	7278606
	109 I	(80 - 120)	0.20	(0-20)	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Sulfate		WO#: J8CC01EH-MS/J8CC01EJ-MSD				MS Lot-Sample #: D7J050164-004	
	98 I	(80 - 120)			MCAWW 300.0A	10/05-10/06/07	7279099
	98 I	(80 - 120)	0.15	(0-20)	MCAWW 300.0A	10/05-10/06/07	7279099
		Dilution Factor: 5					
		Analysis Time..: 00:22					
Sulfate		WO#: J82KV1AC-MS/J82KV1AD-MSD				MS Lot-Sample #: D7J080153-010	
	102	(80 - 120)			MCAWW 300.0A	10/13-10/14/07	7288455
	101	(80 - 120)	0.50	(0-20)	MCAWW 300.0A	10/13-10/14/07	7288455
		Dilution Factor: 1					
		Analysis Time..: 05:42					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#: J9MHG1CE-MS/J9MHG1CF-MSD				MS Lot-Sample #: D7J230243-001	
	107 I	(80 - 120)			MCAWW 300.0A	10/31/07	7305370
	114 I	(80 - 120)	2.8	(0-20)	MCAWW 300.0A	10/31/07	7305370
		Dilution Factor: 100					
		Analysis Time..: 18:35					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: J78KK1AX-MS/J78KK1A0-MSD MS Lot-Sample #: D7J040153-001						
	3.5	25.0	27.1	mg/L	94		MCAWW 300.0A	10/04/07	7278586
	3.5	25.0	27.2	mg/L	95	0.50	MCAWW 300.0A	10/04/07	7278586
			Dilution Factor: 5						
			Analysis Time..: 12:36						
Bromide			WO#: J78PD1CM-MS/J78PD1CN-MSD MS Lot-Sample #: D7J040166-006						
	0.18	5.00	5.02	mg/L	97		MCAWW 300.0A	10/04/07	7278598
	0.18	5.00	5.30	mg/L	102	5.5	MCAWW 300.0A	10/04/07	7278598
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Bromide			WO#: J78QQ1CK-MS/J78QQ1CL-MSD MS Lot-Sample #: D7J040166-033						
	0.19	5.00	5.12	mg/L	99		MCAWW 300.0A	10/04-10/05/07	7278602
	0.19	5.00	5.11	mg/L	98	0.19	MCAWW 300.0A	10/04-10/05/07	7278602
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Bromide			WO#: J8CC01DK-MS/J8CC01DL-MSD MS Lot-Sample #: D7J050164-004						
	0.23	5.00	5.04	mg/L	96		MCAWW 300.0A	10/05/07	7279100
	0.23	5.00	4.85	mg/L	92	3.8	MCAWW 300.0A	10/05/07	7279100
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Chloride			WO#: J78KK1A1-MS/J78KK1A2-MSD MS Lot-Sample #: D7J040153-001						
	340	250	627 N	mg/L	114		MCAWW 300.0A	10/04-10/05/07	7278587
	340	250	623 N	mg/L	113	0.51	MCAWW 300.0A	10/04-10/05/07	7278587
			Dilution Factor: 10						
			Analysis Time..: 06:04						
Chloride			WO#: J78PD1CK-MS/J78PD1CL-MSD MS Lot-Sample #: D7J040166-006						
	30	25.0	58.2 I	mg/L	112		MCAWW 300.0A	10/04/07	7278599
	30	25.0	59.8 I	mg/L	118	2.8	MCAWW 300.0A	10/04/07	7278599
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Chloride			WO#: J78PX1CF-MS/J78PX1CG-MSD MS Lot-Sample #: D7J040166-016						
	53	50.0	106	mg/L	105		MCAWW 300.0A	10/24/07	7298553
	53	50.0	106	mg/L	106	0.54	MCAWW 300.0A	10/24/07	7298553
			Dilution Factor: 2						
			Analysis Time..: 22:27						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: J78QQ1CH-MS/J78QQ1CJ-MSD		MS Lot-Sample #: D7J040166-033				
	31	25.0	59.4 I	mg/L	114		MCAWW 300.0A	10/04-10/05/07	7278603
	31	25.0	59.2 I	mg/L	113	0.41	MCAWW 300.0A	10/04-10/05/07	7278603
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Chloride			WO#: J8CC01EA-MS/J8CC01EC-MSD		MS Lot-Sample #: D7J050164-004				
	31	25.0	55.6 I	mg/L	100		MCAWW 300.0A	10/05/07	7279101
	31	25.0	54.8 I	mg/L	96	1.4	MCAWW 300.0A	10/05/07	7279101
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Fluoride			WO#: J78KK1A3-MS/J78KK1A4-MSD		MS Lot-Sample #: D7J040153-001				
	0.54	25.0	21.7 N	mg/L	85		MCAWW 300.0A	10/04/07	7278588
	0.54	25.0	24.1 *	mg/L	94	11	MCAWW 300.0A	10/04/07	7278588
			Dilution Factor: 5						
			Analysis Time..: 12:36						
Fluoride			WO#: J78PD1CH-MS/J78PD1CJ-MSD		MS Lot-Sample #: D7J040166-006				
	2.3	5.00	6.97	mg/L	93		MCAWW 300.0A	10/04/07	7278600
	2.3	5.00	7.18	mg/L	97	2.9	MCAWW 300.0A	10/04/07	7278600
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Fluoride			WO#: J78QQ1CF-MS/J78QQ1CG-MSD		MS Lot-Sample #: D7J040166-033				
	2.7	5.00	7.49	mg/L	95		MCAWW 300.0A	10/04-10/05/07	7278604
	2.7	5.00	7.43	mg/L	94	0.91	MCAWW 300.0A	10/04-10/05/07	7278604
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Fluoride			WO#: J8CC01ED-MS/J8CC01EE-MSD		MS Lot-Sample #: D7J050164-004				
	3.2	5.00	8.51	mg/L	107		MCAWW 300.0A	10/05/07	7279102
	3.2	5.00	8.27	mg/L	102	2.8	MCAWW 300.0A	10/05/07	7279102
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Nitrate-Nitrite			WO#: J8CC01DH-MS/J8CC01DJ-MSD		MS Lot-Sample #: D7J050164-004				
	ND	4.00	3.38	mg/L	84		MCAWW 353.2	10/22/07	7296371
	ND	4.00	3.40	mg/L	84	0.38	MCAWW 353.2	10/22/07	7296371
			Dilution Factor: 1						
			Analysis Time..: 06:00						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite			WO#: J9D0M1ED-MS/J9D0M1EE-MSD		MS Lot-Sample #: D7J190186-001				
	2.6	4.00	6.41	mg/L	95		MCAWW 353.2	11/01/07	7309245
	2.6	4.00	6.54	mg/L	98	2.0	MCAWW 353.2	11/01/07	7309245
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Phosphate as P, Ortho			WO#: J78KK1CC-MS/J78KK1CD-MSD		MS Lot-Sample #: D7J040153-001				
	ND	25.0	19.1 N	mg/L	77		MCAWW 300.0A	10/04/07	7278592
	ND	25.0	22.5 *	mg/L	90	16	MCAWW 300.0A	10/04/07	7278592
			Dilution Factor: 5						
			Analysis Time..: 12:36						
Phosphate as P, Ortho			WO#: J78PD1CP-MS/J78PD1CQ-MSD		MS Lot-Sample #: D7J040166-006				
	ND	5.00	2.95 N	mg/L	59		MCAWW 300.0A	10/04/07	7278601
	ND	5.00	1.78	mg/L	36	49	MCAWW 300.0A	10/04/07	7278601
			Qualifiers: N,*						
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Phosphate as P, Ortho			WO#: J78QQ1CM-MS/J78QQ1CN-MSD		MS Lot-Sample #: D7J040166-033				
	ND	5.00	2.60 N	mg/L	52		MCAWW 300.0A	10/04-10/05/07	7278605
	ND	5.00	1.85	mg/L	37	34	MCAWW 300.0A	10/04-10/05/07	7278605
			Qualifiers: N,*						
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Phosphate as P, Ortho			WO#: J8CC01EF-MS/J8CC01EG-MSD		MS Lot-Sample #: D7J050164-004				
	ND	5.00	37.6 N	mg/L	749		MCAWW 300.0A	10/05/07	7279103
	ND	5.00	5.55 *	mg/L	109	148	MCAWW 300.0A	10/05/07	7279103
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Phosphate as P, Ortho			WO#: J8CNL1AR-MS/J8CNL1AT-MSD		MS Lot-Sample #: D7J050194-004				
	ND	50.0	19.5 N	mg/L	39		MCAWW 300.0A	10/05-10/06/07	7279122
	ND	50.0	22.0	mg/L	44	12	MCAWW 300.0A	10/05-10/06/07	7279122
			Qualifiers: N,*						
			Dilution Factor: 10						
			Analysis Time..: 10:01						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: J78EW1CL-MS/J78EW1CM-MSD MS Lot-Sample #: D7J040133-002						
	7.2	25.0	29.8	mg/L	90		MCAWW 300.0A	10/04/07	7278122
	7.2	25.0	29.8	mg/L	90	0.04	MCAWW 300.0A	10/04/07	7278122
			Dilution Factor: 1						
			Analysis Time..: 14:51						
Sulfate			WO#: J78KK1A9-MS/J78KK1CA-MSD MS Lot-Sample #: D7J040153-001						
	5300	5000	12100 N	mg/L	135		MCAWW 300.0A	10/04-10/05/07	7278591
	5300	5000	11000 N	mg/L	112	9.6	MCAWW 300.0A	10/04-10/05/07	7278591
			Dilution Factor: 200						
			Analysis Time..: 07:11						
Sulfate			WO#: J78PD1CF-MS/J78PD1CG-MSD MS Lot-Sample #: D7J040166-006						
	160	125	273	mg/L	94		MCAWW 300.0A	10/04/07	7278135
	160	125	272	mg/L	94	0.29	MCAWW 300.0A	10/04/07	7278135
			Dilution Factor: 5						
			Analysis Time..: 23:25						
Sulfate			WO#: J78WA1AV-MS/J78WA1AW-MSD MS Lot-Sample #: D7J040188-008						
	49	25.0	72.3 I	mg/L	95		MCAWW 300.0A	10/05/07	7279099
	49	25.0	72.5 I	mg/L	95	0.24	MCAWW 300.0A	10/05/07	7279099
			Dilution Factor: 1						
			Analysis Time..: 14:24						
Sulfate			WO#: J8CCV1CF-MS/J8CCV1CG-MSD MS Lot-Sample #: D7J050164-002						
	120	125	254 I	mg/L	109		MCAWW 300.0A	10/05/07	7278606
	120	125	255 I	mg/L	109	0.20	MCAWW 300.0A	10/05/07	7278606
			Dilution Factor: 1						
			Analysis Time..: 16:53						
Sulfate			WO#: J8CC01EH-MS/J8CC01EJ-MSD MS Lot-Sample #: D7J050164-004						
	150	125	272 I	mg/L	98		MCAWW 300.0A	10/05-10/06/07	7279099
	150	125	273 I	mg/L	98	0.15	MCAWW 300.0A	10/05-10/06/07	7279099
			Dilution Factor: 5						
			Analysis Time..: 00:22						
Sulfate			WO#: J82KV1AC-MS/J82KV1AD-MSD MS Lot-Sample #: D7J080153-010						
	73	125	200	mg/L	102		MCAWW 300.0A	10/13-10/14/07	7288455
	73	125	199	mg/L	101	0.50	MCAWW 300.0A	10/13-10/14/07	7288455
			Dilution Factor: 1						
			Analysis Time..: 05:42						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: J9MHG1CE-MS/J9MHG1CF-MSD				MS Lot-Sample #: D7J230243-001		
	3500	2500	6150 I	mg/L	107		MCAWW 300.0A	10/31/07	7305370
	3500	2500	6320 I	mg/L	114	2.8	MCAWW 300.0A	10/31/07	7305370
			Dilution Factor: 100						
			Analysis Time..: 18:35						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/12/07 10:50 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Dissolved ortho-Phosphate		WO#: J8XT21CT-MS/J8XT21CU-MSD			MS Lot-Sample #: D7J130171-003		
	101	(80 - 120)			MCAWW 300.0A	10/13/07	7302475
	100	(80 - 120)	0.72	(0-20)	MCAWW 300.0A	10/13/07	7302475
		Dilution Factor: 1					
		Analysis Time..: 13:53					
Dissolved Bromide		WO#: J8XT21CJ-MS/J8XT21CK-MSD			MS Lot-Sample #: D7J130171-003		
	99	(80 - 120)			MCAWW 300.0A	10/13/07	7302471
	100	(80 - 120)	1.1	(0-20)	MCAWW 300.0A	10/13/07	7302471
		Dilution Factor: 1					
		Analysis Time..: 13:53					
Dissolved Chloride		WO#: J8XT21CL-MS/J8XT21CM-MSD			MS Lot-Sample #: D7J130171-003		
	99	(80 - 120)			MCAWW 300.0A	10/13/07	7302472
	100	(80 - 120)	0.48	(0-20)	MCAWW 300.0A	10/13/07	7302472
		Dilution Factor: 1					
		Analysis Time..: 13:53					
Dissolved Fluoride		WO#: J8XT21CX-MS/J8XT21C0-MSD			MS Lot-Sample #: D7J130171-003		
	95	(80 - 120)			MCAWW 300.0A	10/13/07	7302477
	96	(80 - 120)	0.85	(0-20)	MCAWW 300.0A	10/13/07	7302477
		Dilution Factor: 1					
		Analysis Time..: 13:53					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/12/07 10:50 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Dissolved ortho-Phosphate			WO#: J8XT21CT-MS/J8XT21CU-MSD		MS Lot-Sample #: D7J130171-003				
	0.46	5.00	5.49	mg/L	101		MCAWW 300.0A	10/13/07	7302475
	0.46	5.00	5.45	mg/L	100	0.72	MCAWW 300.0A	10/13/07	7302475
			Dilution Factor: 1						
			Analysis Time..: 13:53						
Dissolved Bromide			WO#: J8XT21CJ-MS/J8XT21CK-MSD		MS Lot-Sample #: D7J130171-003				
	0.12	5.00	5.06	mg/L	99		MCAWW 300.0A	10/13/07	7302471
	0.12	5.00	5.12	mg/L	100	1.1	MCAWW 300.0A	10/13/07	7302471
			Dilution Factor: 1						
			Analysis Time..: 13:53						
Dissolved Chloride			WO#: J8XT21CL-MS/J8XT21CM-MSD		MS Lot-Sample #: D7J130171-003				
	27	25.0	52.0	mg/L	99		MCAWW 300.0A	10/13/07	7302472
	27	25.0	52.2	mg/L	100	0.48	MCAWW 300.0A	10/13/07	7302472
			Dilution Factor: 1						
			Analysis Time..: 13:53						
Dissolved Fluoride			WO#: J8XT21CX-MS/J8XT21C0-MSD		MS Lot-Sample #: D7J130171-003				
	0.49	5.00	5.23	mg/L	95		MCAWW 300.0A	10/13/07	7302477
	0.49	5.00	5.28	mg/L	96	0.85	MCAWW 300.0A	10/13/07	7302477
			Dilution Factor: 1						
			Analysis Time..: 13:53						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78KK-SMP J78KK-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Fluoride						SD Lot-Sample #: D7J040153-001		
	0.54 J	0.53 J	mg/L	1.5	(0-10)	MCAWW 300.0A	10/04/07	7278588
		Dilution Factor: 5				Analysis Time..: 12:03		
Chloride						SD Lot-Sample #: D7J040153-001		
	340	340	mg/L	0.16	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278587
		Dilution Factor: 10				Analysis Time..: 05:31		
Bromide						SD Lot-Sample #: D7J040153-001		
	3.5	2.8	mg/L	22	(0-10)	MCAWW 300.0A	10/04/07	7278586
		Dilution Factor: 5				Analysis Time..: 12:03		
Phosphate as P, Ortho						SD Lot-Sample #: D7J040153-001		
	ND	ND	mg/L	0	(0-10)	MCAWW 300.0A	10/04/07	7278592
		Dilution Factor: 5				Analysis Time..: 12:03		
Sulfate						SD Lot-Sample #: D7J040153-001		
	5300	5200	mg/L	3.3	(0-10)	MCAWW 300.0A	10/04/07	7278591
		Dilution Factor: 200				Analysis Time..: 06:38		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result: result is less than RL and greater than or equal to the MDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8CNL-SMP J8CNL-DUP **Matrix.....:** WATER

Date Sampled...: 10/04/07 09:50 **Date Received..:** 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho						SD Lot-Sample #: D7J050194-004		
	ND	ND	mg/L	0	(0-10)	MCAWW 300.0A	10/05-10/06/07	7279122

Dilution Factor: 10 Analysis Time..: 08:55

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78NV-SMP J78NV-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7J040166-001		
	160 J	160	mg/L	0.0	(0-10)	MCAWW 310.1	10/05/07	7279141
		Dilution Factor: 1				Analysis Time..: 09:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J7639-SMP J7639-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 13:35 **Date Received..:** 10/03/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J030343-001		
	590	600	mg/L	0.51	(0-20)	MCAWW 160.1	10/08/07	7281480
			Dilution Factor: 1			Analysis Time..: 18:20		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78N7-SMP J78N7-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040166-002		
	640	650	mg/L	0.62	(0-20)	MCAWW 160.1	10/08/07	7281482

Dilution Factor: 1 Analysis Time..: 18:40

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78P2-SMP J78P2-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7J040166-017		
	200 J	210	mg/L	3.4	(0-10)	MCAWW 310.1	10/06/07	7282447
			Dilution Factor: 1			Analysis Time..: 15:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8CCM-SMP J8CCM-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7J050164-001		
	170 J	170	mg/L	0.0	(0-10)	MCAWW 310.1	10/06/07	7282449
		Dilution Factor: 1				Analysis Time..: 15:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78PF-SMP J78PF-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040166-007		
	600 J	610	mg/L	2.0	(0-20)	MCAWW 160.1	10/09/07	7282618
			Dilution Factor: 1			Analysis Time..: 17:15		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78N9-SMP **Matrix.....:** WATER
J78N9-DUP
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040166-003		
	550	550	mg/L	0.36	(0-20)	MCAWW 160.1	10/09/07	7282619
			Dilution Factor: 1			Analysis Time..: 17:40		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8E1E-SMP J8E1E-DUP **Matrix.....:** WATER

Date Sampled...: 10/05/07 13:44 **Date Received..:** 10/06/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7J060166-001		
	180 J	180	mg/L	0.0	(0-10)	MCAWW 310.1	10/09/07	7283437

Dilution Factor: 1 Analysis Time..: 18:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78RN-SMP J78RN-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 12:00 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040182-002		
	16000 Q	16000 Q	mg/L	2.0	(0-20)	MCAWW 160.1	10/10/07	7283631
			Dilution Factor: 4			Analysis Time..: 17:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J795F-SMP J795F-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 12:30 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040359-001		
	500	500	mg/L	0.20	(0-20)	MCAWW 160.1	10/10/07	7283632
			Dilution Factor: 1			Analysis Time..: 18:15		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8C4K-SMP J8C4K-DUP **Matrix.....:** WATER

Date Sampled...: 10/04/07 15:35 **Date Received..:** 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J050236-008		
	410	410	mg/L	0.0	(0-20)	MCAWW 160.1	10/11/07	7284603
			Dilution Factor: 1			Analysis Time..: 14:40		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8PMJ-SMP J8PMJ-DUP **Matrix.....:** WATER

Date Sampled...: 10/10/07 13:55 **Date Received..:** 10/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J110197-001		
	170	210	mg/L	21	(0-20)	MCAWW 160.1	10/16/07	7289571

Dilution Factor: 1 Analysis Time..: 14:10

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J82R8-SMP J82R8-DUP **Matrix.....:** WATER

Date Sampled...: 10/15/07 11:20 **Date Received..:** 10/16/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7J160148-001		
	1600 J	1700	mg/L	3.0	(0-10)	MCAWW 310.1	10/17/07	7291487

Dilution Factor: 1 Analysis Time..: 19:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8W1D-SMP J8W1D-DUP **Matrix.....:** WATER

Date Sampled...: 10/12/07 09:05 **Date Received..:** 10/12/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J120424-007		
	710	660	mg/L	8.3	(0-20)	MCAWW 160.1	10/18/07	7291638
			Dilution Factor: 1			Analysis Time..: 21:00		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8X8R-SMP J8X8R-DUP **Matrix.....:** WATER

Date Sampled...: 10/11/07 14:50 **Date Received..:** 10/13/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7J130211-002		
	150 J	150	mg/L	0.0	(0-10)	MCAWW 310.1	10/18/07	7293109

Dilution Factor: 1 Analysis Time..: 17:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

2.5 E IR2
KB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 343956
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1540	HTA-45	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1720	HTA-16	"	5	"	"
OCT. 3 2007	1030	HTA-98	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

3.12 IR2
VB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 253608
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 1 2007	1550	HTA-43	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1720	HTA-31	"	5	"	"
OCT. 3 2007	1340	HTA-50	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Amy Burdick	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

3.0C IR2
DB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: FRED GEBHARDT	Seal Number: 484800
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT	Airbill Number: 859575077419
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: ☐ Done ☒ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1005	HTA-34	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
11	1124	HTA-12	11	5	11	11
11	1240	HTA-10A	11	5	11	11

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredind S. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Thomas Bindell	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

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QB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 555674
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 02 2007	1400	HTA - 39	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
	1450	HTA - 40	"	5	"	"
	1530	HTA - 40EB	ULTRA PURE WATER	5	"	EQUIPMENT BLAN

Additional Comments: Please batch all WSMR samples collected during the week of 10/1/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

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WB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 555294
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 859575077 4A

Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 1 2007	1430	HTA-46	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
OCT 2 2007	1355	HTA-42	"	5	"	"
"	1645	HTA-17	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800
	Aaron Bindel	10/4/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt: ☐ Yes ☐ No
Condition of Contents
Contents Temperature
Laboratory Project Number

April 2008

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KB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 343966
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077419
	Sampling Status: ☐ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 3 2007	1015	HTA-15	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1020	HTA-99	"	5	"	"
"	1025	HTA-4	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

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#B 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: FRED GEBHARDT	Seal Number: 343906
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT	Airbill Number: 859575077419
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: ☐ Done ☒ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1425	HTA-23	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1535	HTA-13	"	5	"	"
OCT 3 2007	1115	HTA-16D	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

2.1.2 IR2
SB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 556244
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1435	HTA-11	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1620	HTA-20	"	5	"	"
"	1735	HTA-25	"	5	"	"

Additional Comments:

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Gregory Bimall	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 484820
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575677419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 1 2007	1435	HTA-35	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1550	HTA-44	"	5	"	"
"	1635	HTA-30	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10/1/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

3.7°C IR2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 555284
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575067419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 3 2007	1125	HTA-41	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1220	HTA-19	"	5	"	"
"	1320	HTA-18	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR on the week of 10-1-07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1.4.2 IR2 NB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader: Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT

Seal Number: 484810

Delivered to Shipper by: FRED GEBHARDT

Airbill Number: 859575077419

Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 3 2007	1205	HTA-47A	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1300	HTA-51	"	5	"	"
"	1400	HTA-27	"	5	"	"

Additional Comments: PLEASE BATCH WSMR SAMPLES COLLECTED DURING THE WEEK OF 10-1-07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800
	Aaron Dinwiddie	10/4/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt: ☐ Yes ☐ No

Condition of Contents

Contents Temperature

Laboratory Project Number

April 2008

1.5°C IR 2
KD 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 343946
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 859575077419

Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1230	HTA-37	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1310	HTA-36	"	5	"	"
OCT 3 2007	1020	HTA-~~1020~~ 48	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800
	Aaron Burdett	10/4/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt ☐ Yes ☐ No
Condition of Contents
Contents Temperature
Laboratory Project Number

April 2008

2.8ℓ IR2
MD 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: FRED GEBHARDT	Seal Number: 451618
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT	Airbill Number: 859575077419
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: ☐ Done ☒ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1015	HTA-33	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1140	EMRE-1	"	5	"	"
"	1150	HTA-38	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Aaron Burdett	10/2/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1,4,8
MB 10/5/07 IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 059514
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7450
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 02 2007	1240	EITRE2	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
10/03/07	1425	HTA-22	"	"	" "	" "
10/03/07	1540	HTA-21	"	"	" "	" "

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSTR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents Contents Temperature Laboratory Project Number
	[signature]	10/5/07	0900		

April 2008

HB 2.98 10/5/07 IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS 059504
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: [redacted]
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1405	HTAWM	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
11	1405	HTAWM-MS	11	1	1 11	MATRIX SPIKE
1	1405	~~HTAWM~~ HTAWM-MSD	11	11	11 1	MATRIX SPIKE DUPLICATE

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSTR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
[signature]	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

B.6.c
#6 10/5/07 IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test ~~Area~~ (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 135530
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1035	HTA-14	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	0910	SMR 1A	"	"	" "	" "
"	1140	HTA-24	"	"	" "	" "

Additional Comments: PLEASE BATCH ALL WSMR SAMPLES COLLECTED DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
[signature]	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

D.B.C
MB 10/5/07 IP1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 135515
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1240	HTA-5	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1345	BONNEY SPRING	"	"	"	"
"	1200	MARKHAM SPRING	"	"	"	"

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/4/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
[signature]	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

→ 2.9° IR1 KB 10/5/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 125343
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 8595 7507 7930
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1000	HTA-26	~~WATER~~ WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1110	HTA-29	~~"~~ "	5	"	"

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1130	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
[signature]	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1.9°C

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 059524
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: ☒ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 03 2007	1330	HTA-32	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
11	1215	HTA-28	11	11	11 11 11	11 11
11	1435	HTA-3	11	11	11 11 11	11 11

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	10/04/07	1730
	[signature]	10/5/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt: ☐ Yes ☐ No

Condition of Contents

Contents Temperature

Laboratory Project Number

April 2008

9.6 10/13/07

APBQR

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: F. GEBHARDT	Seal Number: 451708
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: F. GEBHARDT	Airbill Number: 859575077544
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: [X] Done [ ] Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 10, 2007	1410	SMR2	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1530	SMR4	"	5	"	"
10/10/07	1225	SMR3	"	5	"	"

Additional Comments:

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
Fredrick E. Gebhardt	TO FED EX	10/12/07	1500	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Shawn Bindel	10/13	0900		Contents Temperature
					Laboratory Project Number

April 2008

TestAmerica Denver

Sample Receiving Checklist

Lot #: D7J040166 Date/Time Received: 10/4/07 0900

Company Name & Sampling Site: USGS White Sands HTA

PM to Complete This Section: *Yes*	*No*		*Yes*	*No*
Residual chlorine check required: o	X	Quarantined :	o	X

Quote #: 24783-A

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 13

Temperatures (°C): 2.8 1.5 1.9 5.7 1.7 2.1 4.0 1.7 2.4 2.9 3.5 3.7 2.3

N/A	*Yes*	*No*		*Initials*
o	✓	o	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	✓	o	2. Chain of custody present? If no, document on CUR.	
	o	✓	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	o	✓	4. Multiphasic samples obvious? If yes, document on CUR.	
	✓	o	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
o	✓	o	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	✓	o	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	✓	o	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
✓	o	o	9. Were VOA samples without headspace? If no, document on CUR.	
✓	o	o	10. Were VOA vials preserved? Preservative oHCl o4±2°C oSodium Thiosulfate o Ascorbic Acid	
	o	✓	11. Did samples require preservation with sodium thiosulfate?	
✓	o	o	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
✓	o	o	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
✓	o	o	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	✓	o	16. Are analyses with short holding times requested?	
	o	✓	17. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D7J040160

Login Checks:

N/A	Yes	No		Initials
	✓	o	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	MB
✓	o	o	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
o	✓	o	21. Were special log in instructions read and followed?	
✓	o	o	22. Were AFCEE metals logged for refrigerated storage?	
	✓	o	23. Were tests logged checked against the COC? Which samples were confirmed? 1	
✓	o	o	24. Was a Rush form completed for quick TAT?	
o	✓	o	25. Was a Short Hold form completed for any short holds?	
	✓	o	26. Were special archiving instructions indicated in the General Comments? If so, what were they?	

90 days, 180 for mtls

Labeling and Storage Checks:

				Initials
✓	o	o	28. Was the subcontract COC signed and sent with samples to bottle prep?	CP
	✓	o	29. Were sample labels double-checked by a second person?	
✓	✓	o	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	✓	o	31. Did the sample ID, Date, and Time from label match what was logged?	
✓	o	o	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
✓	o	o	33. Were AFCEE metals stored refrigerated?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

TestAmerica Denver

Sample Receiving Checklist

Lot #: D7J050164 Date/Time Received: 10/5/07 0900

Company Name & Sampling Site: USGS White Sands HTA

PM to Complete This Section: *Yes* *No* *Yes* *No*
Residual chlorine check required: o X Quarantined: o X

Quote #: 24783-A

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s):									
Temperatures (°C):	1.4	2.9	3.6	3.8	2.9	1.9			

N/A	*Yes*	*No*		*Initials*
o	✓	o	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	✓	o	2. Chain of custody present? If no, document on CUR.	
	o	✓	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	o	✓	4. Multiphasic samples obvious? If yes, document on CUR.	
	✓	o	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
o	o	o	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	✓	o	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	✓	o	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
✓	o	o	9. Were VOA samples without headspace? If no, document on CUR.	
✓	o	o	10. Were VOA vials preserved? Preservative oHCl o4±2°C oSodium Thiosulfate o Ascorbic Acid	
	o	✓	11. Did samples require preservation with sodium thiosulfate?	
✓	o	o	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
✓	o	o	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
o	✓	o	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	✓	o	16. Are analyses with short holding times requested?	
	o	✓	17. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D7J050164

Login Checks:

Initials AB

N/A	*Yes*	*No*		
	✓	o	18.	Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
o	✓	o	19.	Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
	✓	o	20.	Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
o	✓	o	21.	Were special log in instructions read and followed?
✓	o	o	22.	Were AFCEE metals logged for refrigerated storage?
	✓	o	23.	Were tests logged checked against the COC? Which samples were confirmed? 1
✓	o	o	24.	Was a Rush form completed for quick TAT?
o	✓	o	25.	Was a Short Hold form completed for any short holds?
	✓ Yes	✗	26.	Were special archiving instructions indicated in the General Comments? If so, what were they?

90 days

Labeling and Storage Checks:

Initials [signature]

✓	o	o	28.	Was the subcontract COC signed and sent with samples to bottle prep?
	✓	o	29.	Were sample labels double-checked by a second person?
✓	o	o	30.	Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
	✓	o	31.	Did the sample ID, Date, and Time from label match what was logged?
✓	o	o	32.	Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
✓	o	o	33.	Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

TestAmerica Denver

Sample Receiving Checklist

Lot #: D7J1300200 Date/Time Received: 10/13/07 0900

Company Name & Sampling Site: USGS White Sands HTA 8636-91K411

PM to Complete This Section: *Yes*	*No*		*Yes*	*No*
Residual chlorine check required: o	X	Quarantined :	o	X

Quote #: 24783-A

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 4.6

N/A	*Yes*	*No*		*Initials*
o	✓	o	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	✓	o	2. Chain of custody present? If no, document on CUR.	
	o	✓	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	o	✓	4. Multiphasic samples obvious? If yes, document on CUR.	
	✓	o	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
o	✓	o	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	✓	o	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	✓	o	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
✓	o	o	9. Were VOA samples without headspace? If no, document on CUR.	
✓	o	o	10. Were VOA vials preserved? Preservative oHCl o4±2°C oSodium Thiosulfate o Ascorbic Acid	
	o	✓	11. Did samples require preservation with sodium thiosulfate?	
✓	o	o	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
✓	o	o	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
o	o	o	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	o	✓	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	o	✓	16. Are analyses with short holding times requested?	
	o	✓	17. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D7J130200

Login Checks:

N/A	Yes	No		Initials
	✓	o	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
✓	o	o	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
o	✓	o	21. Were special log in instructions read and followed?	
✓	o	o	22. Were AFCEE metals logged for refrigerated storage?	
	✓	o	23. Were tests logged checked against the COC? Which samples were confirmed? 1	
✓	o	o	24. Was a Rush form completed for quick TAT?	
✓	o	o	25. Was a Short Hold form completed for any short holds?	
(✓)		✓	26. Were special archiving instructions indicated in the General Comments? If so, what were they?	

90 days

Labeling and Storage Checks:

				Initials
✓	o	o	28. Was the subcontract COC signed and sent with samples to bottle prep?	
	✓	o	29. Were sample labels double-checked by a second person?	
✓	o	o	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	✓	o	31. Did the sample ID, Date, and Time from label match what was logged?	
o	✓	o	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
✓	o	o	33. Were AFCEE metals stored refrigerated?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

APPENDIX II

Laboratory Quality Assurance / Quality Control Results

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:

Fredrick Gebhardt, USGS-WRD, Hydrologic Technician March 24, 2008

Data Inventory

1.1 Sample project numbers: TestAmerica No's D7J040166, D7J050164, and D7J130200

1.2 Operable unit and site: Open Burn/Open Detonation (OB/OD) Unit, Hazardous Test Area (HTA) site

1.3 Sample collection date: October 1, 2, 3, 4, 10, and 11, 2007

Sample locations (location IDs): HTA3, HTA4, HTA5, HTA10A, HTA11 through HTA46, HTA16D, HTA47A, HTA48, HTA50, HTA51, EMRE1, EMRE2, SMR1A, SMR2, SMR3, SMR4, HTAWindmill, Bonney Spring, Markam Spring; HTA98 and HTA99 are field duplicate samples, and HTA40-EB is an equipment blank.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	**number**	**Type**	**number**
environmental	54	MS/MSD	1 pair
field duplicate	2	trip blank	0
equipment blank	1	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Name of reviewer(s) and review date: Fredrick Gebhardt March 24, 2008

Laboratory Data Reports

2.1 Analytical Results Report--report date: November 16, 2007

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No _____

(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √ No _____

	Explosives	Metals	General Chem.	Perchlorate
requested:	57	57	57	57
analyzed:	57	57	57	57

2.5 List cancelled analyses on cancelled-data worksheet: None

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab?
1.4 – 4.6 °C at TestAmerica Laboratories

2.8 Additional comments: None

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table II-1), the resulting data from the October 1, 2, 3, 4, 10, and 11, 2007, sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of explosives (method SW8330); metals (methods SW6020 and SW6010B); mercury (method SW7470A); bromide, chloride, fluoride, sulfate, and orthophosphate by method MCAWW300.0A; dissolved solids (method MCAWW160.1); alkalinity (method SW310.1); nitrate plus nitrite (method MCAWW353.2); and perchlorate (method SW6860).

Table II-1. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

Data Validation Parameters	Explosives SW8330	Metals SW6010B/SW6020	Mercury SW7470A
Holding times	7 days to extract, 40-days from extraction to analysis	180-day limit	28-day limit
Met	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Surrogate Spike Recovery	% Recovery (R) varies for surrogates	Not Applicable	Not Applicable
Met	☑ Yes ☐ No, see notes		
Field Duplicates	Relative Percent Difference (RPD) < 30%	RPD < 30%	RPD < 30%
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Equipment Blanks	≤ 3 X Reporting Limit (RL)	≤ 2 X RL	≤ 2 X RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Control Samples	% R and RPD within 3 Standard Deviations (SD) of historical performance	% R and RPD within 3 SD of historical performance	%R and RPD within 3 SD of historical performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Method Blanks	≤ RL, except for common lab contaminants, then < 5 X RL	≤ RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Matrix Spike and Duplicates	Met various % R and RPD requirements	% R within 3 SD of historical performance	% R within 3 SD of historical performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Results over RL with Qualifiers	The sample from well HTA37 had more than 40% RPD of 2-Amino-4,6-dinitrotoluene between the primary and confirmation detector results.	The associated method blank contained **Al** in SMR2; **Co** in HTA10A, 11, 15, 16, 16D, 17, 20, 25 and 99; **Fe** in HTA5, 14, 24, HTAWM, Bonney Spring, and Markham Spring; **Pb** in SMR3, and SMR4; **Se** in HTA10A and 44; **Zn** in HTA3, 11, 14, 20, 25, 50, HTAWM, SMR1A, SMR3, Bonney Spring, and Markham Spring; at a reportable level. Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences of **Fe** are present in SMR2, SMR3 and SMR4.	None.

Table II-1. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) - continued.

Data Validation Parameters	Anions (including Bromide, Chloride, Fluoride, and Orthophosphate, and Sulfate) by Method MCAWW300.0A	Total Dissolved Solids MCAWW160.1	Alkalinity MCAWW310.1
Holding times	28-day limit	7-day limit	14-day limit
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Surrogate Spike Recovery	Not Applicable	Not Applicable	Not Applicable
Met			
Field Duplicates	RPD < 30%	RPD < 30%	RPD < 20%
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Equipment Blanks	≤ RL	≤ 2 X RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Control Samples	% R within 3 SD of historical performance	% R within 3 SD of historical performance	% R and RPD within 3 SD of historical performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Method Blanks	≤ RL	≤ RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Matrix Spike and Duplicates	% R within 3 SD of historical performance	% R within 3 SD of historical performance	% R within 3 SD of historical performance
Met	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes
Results over RL with Qualifiers	The reporting limit is elevated due to high sulfate levels in HTA3, 4, 5, 10A, 11 - 46, 16D, 47A, 48, 50, 51, 98, 99, HTAWM, EMRE1, EMRE2, SMR1A, SMR2, SMR3, SMR4, Bonney Spring, and Markham Spring; and high chloride levels in HTA15, 16, 16D, and 99. The associated method blank contained sulfate at reportable levels in HTA5, 14, 24, 26, 28, 29, HTAWM, EMRE2, SMR1A, SMR3, Bonney Spring, and Markham Spring; and chloride at a reportable level in HTA11, 13, 16, 17, 20, 23, 25, 33, 36 - 40, 42, 45, 48, EMRE1	The associated method blank contained total dissolved solids at a reportable level in HTA10A, 11, 12, 13, 17, 20, 23, 25, 33, 34, 36, 37, 38, 39, 40, 42, EMRE1,	The associated method blank contained alkalinity at a reportable level in HTA3, 4, 5, 10A, 11 - 46, 16D, 47A, 48, 50, 51, 98, 99, HTAWM, EMRE1, EMRE2, SMR1A, SMR2, SMR3, SMR4, Bonney Spring, Markham Spring

Table II-1. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) - continued.

Data Validation Parameters	Nitrate-Nitrite MCAWW353.2	Perchlorate SW6860
Holding times **Met**	28-day limit ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	≤ 2 X RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Lab Control Samples **Met**	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	The reporting limit is elevated due to high nitrate-nitrite levels in HTA10A, 11, 14, 15, 16, 16D, 17, 18, 19, 20, 21, 22, 28, 32, 99	None.

Table II-2. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA- notes.

Analyte and Method:	**Notes of Data Validation Parameters:**
Explosives SW8330	-HTA30, 36, 37, 41, 43 and 44 did not meet extraction holding time.
Metals SW6020/SW6010B	-None
Mercury SW7470A	-None
Anions (including Bromide, Chloride, Fluoride, and Ortho-phosphate, and Sulfate) by Method MCAWW300.0A	-One spiked chlorine, fluorine and sulfate sample, and all the orthophosphate sample recoveries were outside stated control limits. -Several resulting chlorine and sulfate spiked concentrations exceeded the calibration range. -One fluorine sample and all orthophosphate samples' relative percent difference (RPD) was outside stated control limits.
Total Dissolved Solids MCAWW160.1	-One Total Dissolved Solids sample duplicate was outside stated RPD limits
Alkalinity MCAWW310.1	-None
Nitrate-Nitrite MCAWW353.2	-None
Perchlorate SW6860	-None

Appendix A -- Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality-control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-data reports prepared by the reporting laboratory to: (1) check that the laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994b, USEPA contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05-01, Document number PB94-963502, 42 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

APPENDIX III

Container and Preservation Requirements

Field Data

Sample container and preservation requirements

Parameters and Methods	Bottle Size and Type	Preservatives
Explosive compounds, SW8330	32 oz. glass	None, Chilled
Metals SW6020 and SW6010B	500 mL polyethylene	10 ml 20% Nitric Acid, pH <2,Chilled
Mercury SW7470A	500 mL polyethylene	10 ml 20% Nitric Acid, pH <2,Chilled
Anions (including Bromide, Chloride, Fluoride, Orthophosphate, and Sulfate) MCAWW300.0A	1 L polyethylene	None, Chilled
Total Dissolved Solids MCAWW160.1	1 L polyethylene	None, Chilled
Alkalinity SW310.1	1 L polyethylene	None, Chilled
Nitrate plus Nitrite, MCAWW353.2	16 oz. glass	2 mL 50% Sulfuric Acid, pH<2, Chilled
Perchlorate, SW8321A	125 mL polyethylene	None, Chilled

OCTOBER 1, 2007

ITEM A- ANDREW ROBERTSON

1100- ARRIVE AT HTA

CALIBRATION:

1) COND: ORION 130A, SN 067526

1-PT MANUAL CAL WITH 750 µS/cm STD

STD= LOT # 1511578, EXP 11/07

INITIAL= 747 ADJ= CAL= 0.473

2) pH ORION 250A+

STDS	4.00	7.01	10.01
LOT	1705032	17314	160472
EXP	APR 2009	APR 2009	OCT 07
INITIAL	4.06	7.04	9.94
FINAL	4.01	7.01	10.04
SLOPE	97.1		

3) DO

ALTITUDE: 5400

SALINITY: 1.0 OPT

10/1/07

HTA 46

1310 ARRIVE @ HTA 46 WL = 87.11

TIME	VOL	T (°C)	pH	COND (mS/cm)	DO (mg/L)
1337	INITIAL	23.0	7.06	839	1.74
1350	5	21.1	7.40	858	SMELLS LIKE BRIMSTONE 0.04
1402	10	21.0	7.40	849	0.04
1416	15	21.2	7.41	851	0.05
1429	20	21.2	7.41	848	0.05

1430 COLLECTED ENVIRO SAMPLE HTA-46 (METALS, TDS, PERC, NO_3) AND EXPLOSIVE

HTA-43

1457 ARRIVE @ HTA-43 WL = 73.65

START 1600 PST

TIME	VOL	T (°C)	pH	COND (mS/cm)	DO (mg/L)
1504	INITIAL	21.9	7.39	896	4.47
1516	5	21.5	7.36	898	4.50
1527	10	21.4	7.35	898	4.49
1538	15	21.5	7.34	898	4.46
1549	20	21.4	7.34	898	4.44

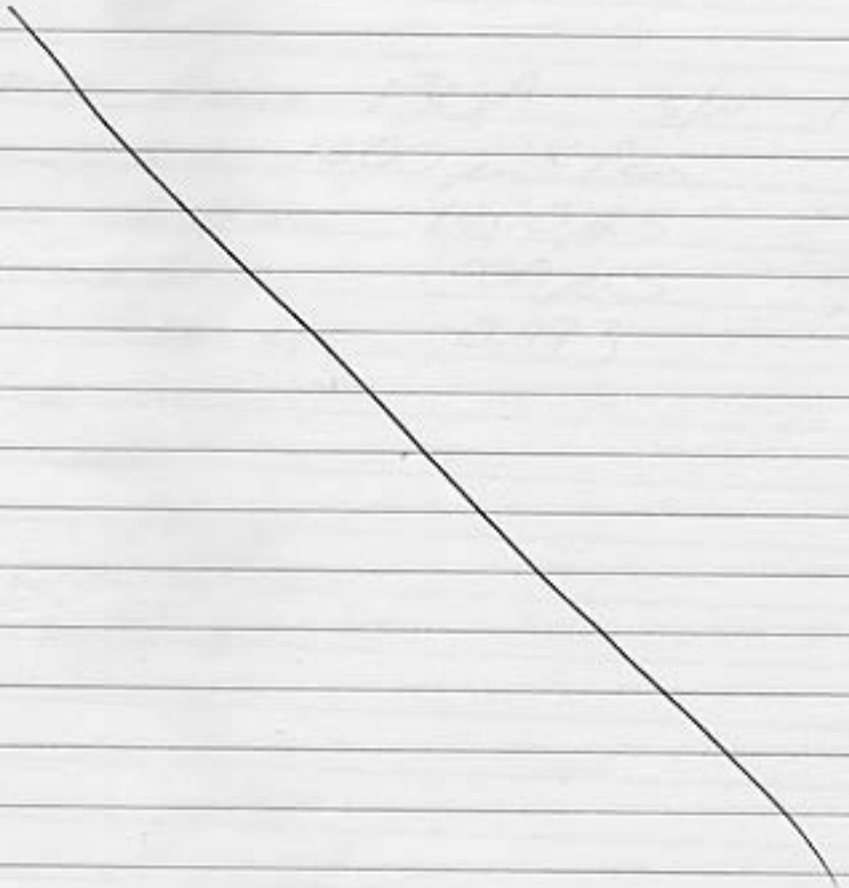
1550 COLLECTED ENVIRO SAMPLE HTA-43 (METALS, NO_3, PERC TDS, AND EXPL.)

10/1/07

HTA-31

1645 ARRIVE @ HTA-31 w.l. = 45.81'

TIME	VOL	T(°C)	pH	cond (mS/cm)	DO (mg/L)
1647	STARTING	21.5	7.26	911	3.37
1654	5	20.5	7.20	915	2.64
1701	10	20.5	7.20	915	2.57
1709	15	20.4	7.20	916	2.55
1713	20	20.4	7.20	916	2.55



10/2/07

0800 ARRIVE @ STAGING AREA

0815 CALIBRATED INSTRUMENTS

pH ORION 250A+ S/N 018141

BUFFERS	4.01	7.00	10.01
INITIAL	4.00	7.00	10.08
FINAL	4.01	7.01	10.05
SLOPE	97.8%		

COND ORION 130A S/N 1607234

STD 1000 µS/cm

INITIAL 1000 µS

FINAL 1000 µS

CELL CNST 0.473

10/2/07

HTA-33

0920 ARRIVE @ HTA-33 W.L. 88.79

TIME	VOL(G)	T(°C)	PH	COND (mS/cm)	DO (mg/L)
0929	INITIAL	21.0	7.17	875	2.29
0938	5	20.5	7.13	879	1.64
0948	10	20.5	7.13	879	1.51
0959	15	20.6	7.12	878	1.35
1012	20	20.7	7.12	877	1.23

1015 COLLECTED SAMPLE HTA-33

EMRI-1

1040 ARRIVE @ EMRI-1 W.L. = 99.81

TIME	VOL(G)	T(°C)	PH	COND (mS/cm)	DO (mg/L)
1047	INITIAL	22.5	7.37	731	2.88
1100	5	22.0	7.28	731	2.80
1111	10	22.0	7.28	731	2.69
1123	15	22.0	7.28	732	2.66
1135	20	22.0	7.28	732	2.64

1140 SOLLECTED SAMPLE EMRE 1

10/2/07

EMRE 2

1200 ARRIVED AT EMRE 2 W.L. @ 59.46'

TIME	VOL	pH	T	COND	DO
1203	INITIAL	7.34	22.8	764	2.52
1212	5	7.33	21.9	767	2.49
1221	10	7.33	21.7	765	2.44
1229	15	7.33	21.8	765	2.41
1238	20	7.33	21.7	765	2.40

1240 COLLECTED ENVIRO SAMPLE EMRE 2

HTA-42

1305 ARRIVED @ HTA-42 W.L. = 68.35

TIME	VOL (g)	pH	T (°C)	COND (mS/cm)	DO (mg/L)
1309	INITIAL	7.32	23.0	781	1.78
1321	5	7.28	21.6	783	1.47
1331	10	7.27	21.6	783	1.41
~~MISS~~	~~15~~	~~7.27~~	~~21.6~~	~~784~~	~~1.42~~
1342	15	7.27	21.7	783	1.40
1353	20	7.27	21.7	783	1.40

1355 COLLECTED ENVIRO SAMPLE HTA-42

10/2/07

HTA-41

1430 ARRIVED @ HTA-41 w.l. = 110.62'

TIME	VOL (L)	T(°C)	pH	COND (µS/cm)	DO (mg/L)
	~~INITIAL~~ 5				

1445 Abandoned well - 175# N_2 pressure to bladder yet unable to bring H_2O out.

HTA-45

1500 ARRIVED @ HTA-45 wl = 80.35

TIME	VOL (L)	T(°C)	pH	COND (µS/cm)	DO (mg/L)
				~~734~~	~~2.42~~
1501	INITIAL	23.6	7.40	734	2.42
1512	5	22.1	7.33	739	2.51
1521	10	22.2	7.33	740	2.48
1530	15	22.2	7.33	740	2.47
1538	20	22.3	7.33	739	2.47

1540 COLLECTED ENVIRO SAMPLE HTA-45

10/2/07

HTA-16

1630 ARRIVE @ HTA-16 WL = 88.70

TIME	VOL (g)	T (°C)	pH	COND (µS/cm)	DO (mg/L)
1635	INITIAL	22.0	7.47	976	2.78
1648	5	21.0	7.47	984	2.68
1656	10	20.4	7.48	986	2.70
1706	15	20.4	7.48	986	2.67
1716	20	20.5	7.48	988	2.62

1720 Collect Sample HTA 16

END OF DAY

10/3/07

TEAM A - JEFF LANGMAN

CALIBRATION:

1) COND: ORION 130A, SN 1607234
1-PT MANUAL CAL WITH 1000 µS/cm
STD = LOT# 1705586, 5/08 CELL = 0.472 ✓

2) DO: YSI 550A, SN 05J1136A0
3-PT AUTO CAL WITH: AUTO CAL
4.0 = AT 5200
20 = AND 1 PPT ✓
100 =

3) pH: ORION 250A+, SN 018141
3 PT AUTO CAL WITH:
4.0 = LOT# 1705032, 4/09
7.0 = LOT# 175314, 4/09
10.0 = LOT# 1604752, 10/07
SLP = 98.9 ✓

10/3/07

HTA-15 WL= 87.14' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
0930	<1	21.4	7.43	992	5.37
0940	5	20.3	7.39	991	5.19
0950	10	20.3	7.38	990	5.14
1000	15	20.4	7.37	989	5.15
1010	20	20.4	7.37	989	5.12

1015 COLLECTED ENV. GW SAMPLE AT HTA-15
1020 " DUPLICATE " " " =(HTA-99)

HTA-16D WL= 85.91' BELOW TOC

TIME	VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1035	<1	22.1	7.24	957	3.01
1040	5	20.9	7.27	981	3.45
1050	10	20.9	7.26	979	3.55
1100	15	20.9	7.27	982	3.48
1110	20	20.8	7.26	982	3.56

1115 COLLECTED ENV. GW SAMPLE AT HTA-16D

10/3/07

HTA-19 WL = 130.74' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1135	<1	22.6	7.72	981	5.04
1145	5	21.0	7.31	988	4.99
1155	10	20.9	7.31	988	4.77
1205	15	20.8	7.31	988	4.80
1215	20	20.8	7.31	986	4.99

1220 COLLECTED ENV. GW SAMPLE AT HTA-19

HTA-18 WL = 115.83' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1240	<1	23.0	7.34	864	5.35
1250	5	21.1	7.29	873	5.64
1300	10	21.1	7.29	871	5.51
1305	15	21.2	7.29	870	5.52
1315	20	21.2	7.29	870	5.55

1320 COLLECTED ENV. GW SAMPLE AT HTA-18

HTA-22 WL = 95.24' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1345	<1	21.8	7.24	829	3.65
1355	5	20.5	7.23	832	3.81
1405	10	20.4	7.23	832	4.01
1410	15	20.3	7.24	833	3.94
1420	20	20.4	7.24	833	3.99

1425 COLLECTED ENV. GW SAMPLE AT HTA-22

HTA-21 WL = 69.69' BELOW TOC

TIME	VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1445	<1	23.2	7.37	857	1.90
	N_2 GAS IN DISCHARGE LINE				
1500	5	21.2	7.42	894	0.64
1510	10	21.0	7.39	895	0.52
1520	15	21.0	7.38	895	0.63
1535	20	21.0	7.38	895	0.58

1540 COLLECTED ENV. GW SAMPLE AT HTA-21

END OF DAY

10/4/07

Tech A

Calibration:

1) Conductance: Orion 130A, SN 1607234
1 Pt Manual Cal w/ 1000 ms/cm
STD: Lot 170558 5/08 Reads = 1001 ms/cm

2) DO: YSI 550A, SN 05511364D
Autocal
AT 5200
AND IPPT

3) pH: Orion 250A SN 018141
3 pt Auto CAL with
4.0 = Lot # 1705032 4/09
7.0 = Lot # 175314 4/09
10.0 = Lot # 1604752 10/07
SIP = 97.9

10-4-07

0855 FRED + MATT GEBHARDT MEET WSMR PERSONEL RUBEN FOR ACCESS TO WELL SMR1A. FORGOT HOSE FOR COLLECTING FIELD PERIMETERS WILL JUST FILL SAMPLE BOTTLES.

0910 COLLECTED SAMPLE SMR1A.

1010 ARRIVE AT WELL HTA-14. WL 96.06

TIME	VOL	TEMP	PH	COND	DO
1020	INITIAL	24.0	7.53	0.756	60.1
1022	5	22.1	7.52	0.843	60.2 *
1024	10	21.8	7.50	.858	59.5
1027	15	21.6	7.48	.851	~~60.3~~ 5.29
1029	20	21.5	7.46	.848	5.24

* DO MEASURED IN %.

1035 COLLECT SAMPLE HTA-14

10-4-07

1115 ARRIVE AT WELL HTA-24. WL 61.68

TIME	VOL	TEMP	PH	COND	DO
1121	INITIAL	25.4	7.24	468	3.83
1123	5	21.5	7.27	962	0.39
1126	10	21.4	7.28	9251	0.63
1132	15	21.6	7.26	1.004	0.08
1135	20	21.3	7.26	1.003	0.08

H_2S

1140 COLLECTED SAMPLE HTA-24.

1214 ARRIVE AT WELL HTA-5 WL 64.58

TIME	VOL	TEMP	PH	COND	DO
1225	INITIAL	25.0	6.96	1088	0.87
1227	5	20.9	6.98	1.348	0.41
1230	10	20.5	6.98	1.367	0.31
1232	15	20.4	6.98	1.383	0.20
1234	20	20.3	6.97	1.404	0.13

1240 COLLECT SAMPLE HTA-5

10-4-07

1300 ARRIVE AT HTA-WINDMILL, WL 46.57

TIME	VOL	TEMP	PH	COND	DO
1307	~~TEMP~~ INITIAL	24.7	7.19	644	0.89
1309	5	22.0	7.20	799	0.30
1311	10	21.6	7.20	815	0.17
	~~15~~				~~0.13~~
	~~20~~				

GENERATOR RAN OUT OF GAS.

1354	15	21.7	7.18	828	0.10
1356	20	21.5	7.18	830	0.08
1358	25	21.4	7.16	830	0.07

1405 COLLECTED ENVIRONMENTAL SAMPLE, MATRIX SPIKE & MATRIX SPIKE DUPLICATE, HTAWM, HTAWM-MS, HTAWM-MSD.

10/10/07

1240 ARRIVED AT WELL SMR2. WL. 330.73

TIME	VOL	TEMP	pH	COND	DO
1344	INITIAL	31.3	7.34	700	4.18
1348	5	27.3	7.33	672	3.85
1352	10	26.9	7.33	527	3.94
1356	15	26.9	7.33	550	3.96
1359	20	26.7	7.32	600	4.00

1410 COLLECTED SAMPLE SMR2.

1314 CREW: FRED GEBHARDT + ERIC VOGLER.

CALIBRATION OF METERS:

CONDUCTIVITY METER: ORION 130A S/N 06752G
COND STD 1800
READING 1799
SLOPE 473

PH METER: 250A+ ORION S/N 014709
PH BUFFERS: 4.01, 7.00, 10.01
READINGS: 4.01, 7.01, 10.04
SLOPE 98.3

DO METER: YSI 550A S/N 04B0256 AL
ELEVATION 4800 FT.

OCTOBER 1, 2007

TEAM B - JEFF LANGMAN

1100 - ARRIVE AT HTA

CALIBRATION:

1) COND: ORION 130A SN 1348654
1-PT MANUAL CAL WITH 750 uS/—
STD = LOT # 1511578, 11/07
INITIAL = 743 ADJ = 750 ✓ CAL = ~~0.5~~ 0.481 ✓

2) DO: YSI 550A, SN 05C1996 AO
AUTO CAL AT 1 PPT AND 5300'

3) pH: ~~ORION~~ ORION 250A+, SN 018139
3-PT AUTO CAL WITH:
4.00 = LOT # 1705032, 4/09 ✓
7.00 = LOT # 1705314, 4/08 ✓
10.01 = LOT # 1604752, 10/07 ✓
CELL = 97.7 ✓.

ERIC VOGLER AND MICHELLE LAVIA ASSISTED FOR PULLING OF MICROBE SAMPLERS = MICRO-TRAC

10/1/07

HTA-11 1300 - PULLED MICRO-TRAC FROM WELL
WL = 65.94' BELOW TOC (TP)

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1350	<1	20.4	7.40	912	2.49
1400	5	20.3	7.40	909	2.73
1410	10	20.2	7.38	902	5.11
1420	15	20.1	7.36	906	5.44
1430	20	20.1	7.35	903	5.55

1435 COLLECTED ENV. GW SAMPLE AT HTA-11

MICRO-TRAC WAS IN GOOD SHAPE UPON REMOVAL FROM HTA-11

HTA-20 PULLED MICRO-TRAC FROM WELL
WL = 75.57' BELOW TOC (TP)

TIME	VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1530	<1	20.9	7.26	988	3.10
1540	5	20.2	7.21	994	2.25
1550	10	20.1	7.22	994	2.32
1600	15	20.1	7.22	995	2.28
1610	20	20.1	7.22	994	2.30

COLLECTED ENV. GW SAMPLE AT HTA-20
1620

10/1/07

HTA-25 WL = 866' BELOW PVTP MONITOR

REMOVED MICRO-TRAC

TIME	GALS EVAC	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1700	<1	21.3	7.20	1,121	1.47
1710	5	20.1	7.30	1,060	0.04
1720	10	20.0	7.31	1,041	0.12
1725	15	20.0	7.32	1,041	0.12
1730	20	20.1	7.32	1,036	0.36

1735 COLLECTED ENV. GW SAMPLE AT HTA-25

END OF DAY

10/2/07

0730 - ARRIVE AT ITTA

TENT B - JEFF LANGMAN

CALIBRATION:

1) COND: ORION 130A, SN 1348654
1-PT MANUAL CAL WITH 1,000 µS/cm STD
STD = LOT # 1705588, 5/08
INITIAL = 1008 ADJ = 1000 CELL = 0.478 ✓

2) DO: YSI 550A, SN 05C1996 AO
AUTO CAL AT 5400' AND 1PPT ✓

3) pH: ORION 250Aplus, SN 018139
3-PT AUTO CAL WITH:
4.0 = LOT# 1705032, 4/09 ✓
7.0 = LOT# 1705314, 4/09 ✓
10.0 = LOT# 1604752, 10/07 ✓
CELL = 97.7 ✓

10/2/07

HTA-34 WL = 47.27' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
0915	<1	20.5	7.30	908	2.06
0930	5	19.7	7.25	912	0.20
0940	10	19.7	7.25	911	0.26
0950	15	19.6	7.25	908	0.18
1000	20	19.7	7.25	907	0.09

1005 COLLECTED ENV. GW SAMPLE AT HTA-34

HTA-12 WL = 68.40' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1035	<1	20.8	7.19	950	1.45
1045	5	20.5	7.17	960	1.02
1100	10	20.4	7.17	960	0.96
1110	15	20.5	7.17	959	0.90
1120	20	20.5	7.17	954	0.93

1125 COLLECTED ENV. GW SAMPLE AT HTA-12.

HTA-14 – NO PUMP IN WELL

10/2/07

HTA-10A WL = 64.34' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1200	1<1	21.5	7.33	875	5.55
1210	5	20.6	7.42	887	3.83
1220	10	20.5	7.50	884	2.67
1225	15	20.4	7.53	882	2.75
1235	20	20.3	7.55	880	2.66

1240 COLLECTED ENV. GW SAMPLE AT HTA-10A

HTA-23 WL = 89.62 Below TOC

Time	gals Vol	°C (pH) Temp	pH	mS/cm COND	mg/L DO
1320	<1	20.9	7.49	716	4.40
1335	5	21.2	7.30	725	0.33
1350	10	21.4	7.30	725	0.36
1405	15	21.4	7.30	725	0.30
1420	20	21.4	7.30	725	0.43

1425 COLLECTED ENV. GW SAMPLE AT HTA-23

10/2/07

HTA-13 WL = 104.16' BELOW TOC

	GALS	°C (pH)		µS/cm	mg/L
TIME	VOL	TEMP	pH	COND	DO
1455	<1	21.0	7.44	845	6.55
1505	5	20.8	7.44	844	6.49
1510	10	20.8	~~6.54~~ 7.44	844	6.42
1520	15	21.0	7.45	844	6.39
1530	20	~~20.8~~ 20.7	7.45	844	6.30

1535 COLLECTED ENV. GW SAMPLE AT HTA-13

HTA-17 WL = 89.15' BELOW TOC

	GALS	°C (pH)		µS/cm	mg/L
TIME	VOL	TEMP	pH	COND	DO
1555	<1	21.9	7.38	984	5.59
1605	5	20.7	7.38	987	5.08
1620	10	20.7	7.38	987	4.95
1630	15	20.5	7.37	987	4.84
1640	20	20.4	7.37	988	4.83

1645 Collected ENV. GW SAMPLE AT HTA-17.

END OF DAY

10/3/07

0745 - ARRIVE AT HTA

TEAM B - ANDREW ROBERTSON, KURT McCOY

CALIBRATION:

1) COND: ORION 130A, SN 1348654
1-PT MANUAL CAL WITH 1000 µS/cm STD
STD = LOT# 1705588, 5/08
INITAL = 996 ADJ = 1000 CELL = 0.480 ✓

2) DO: YSI 550A, SN 05C1996 AO
AUTO CAL AT 5400' AND 1 ATM ✓

3) pH: ORION 250A+, SN 018139
3-PT AUTO CAL WITH:
4.0 = LOT# 1705032, 4/09 ✓
7.0 = LOT# 1705314, 10/07 ✓
10.0 = LOT# 1604752, 10/07 ✓
CELL = 97.8 ✓

10/3/07

HTA-4

935 ARRIVE @ HTA-4 w.l. = 32.89

Time	Gals Vol	°C Temp	pH	mS/c- Cond	mg/L DO
0945	INITIAL	21.7	7.14	836	405
0956	5	20.3	7.16	842	3.25
1004	10	20.3	7.16	842	3.25
1009	15	20.4	7.15	842	3.24
1013	20	20.5	7.18	—	—

1025 Collected ENV. GW SAMPLE AT HTA-4

1030 Collected Duplicate ENV GW Sample AT HTA-4 (HTA-98)

HTA-28

1100 ARRIVE @ HTA-25 w.l. = 80.18

Time	Gals Vol	°C Temp	pH	mS/c- Cond	mg/L DO
1106	Initial	23.5	7.36	756	5.34
1132	5	21.5	7.32	843	5.16
1148	10	21.4	7.32	844	5.22
1158	15	21.3	7.32	844	5.27
1206	20	21.3	7.32	844	5.30

1215 Collected ENV. GW Sample at HTA-28

10/3/07

HTA - 50

1250 arrive @ HTA-50 WL : 500.61'

Time	gal vol	°C Temp	pH	µs/cm Cond	mg/L DO
1305	Initial	26.0	7.45	771	4.94
1310	5	25.9	7.40	778	4.06
1318	10	25.9	7.39	777	4.74
1325	15	25.9	7.39	777	4.96
1335	20	26.0	7.38	776	5.10

1340 Collected ENV GW SAMPLE @ HTA-50

HTA -3 ~~155~~ 642000

1410 arrive @ HTA-3

Time	gal Vol	°C Temp	pH	µs/cm Cond	mg/L DO
1411	Initial	30.5	7.18	788	4.70
1416	5	20.9	7.23	797	5.13
1420	10	20.8	7.23	799	5.23
1424	15	20.9	7.23	803	5.34
1428	20	20.8	7.23	804	5.34

1435 COLLECTED ENVIRO SAMPLE HTA-3

10/3/07

HTA-32

1450 arrive @ HTA-32 35.24

TIME	VOL (L)	T (°C)	pH	cond (µS/cm)	DO (g/L)
1500	INITIAL	22.2	7.42	872	5.00
1507	5	20.7	7.40	873	4.59
1513	10	20.6	7.40	875	4.56
1519	15	20.6	7.40	876	4.55
1525	20	20.6	7.40	876	4.52

1530 collected enviro sample HTA-32

10/10/07

1455 ARRIVE AT WELL SMR4. WL 298.17

TIME	VOL	TEMP	pH	COND	DO
1509	INITIAL	29.7	7.33	592	4.04
1512	5	29.5	7.30	443	7.01
1515	10	26.8	9.23	314	0.24
1518	15	26.7	9.25	361	0.17
1521	20	26.1	9.27	363	0.12
1524	25	26.0	9.28	364	0.10

1530 COLLECTED SAMPLE @ SMR4.

10/11/07

1115 FRED GEBHARDT + ERIC VOGLER ARRIVE AT WELL SMR 3. WL 298.07.

CALIBRATION OF METERS:

pH METER: 250 A+ ORION S/N 014709
pH BUFFERS 4.01, 7.00, 10.01
READINGS 4.01, 7.01, 10.03
SLOPE 98.5

CONDUCTIVITY METER: 130 A ORION S/N 067526
COND. STD 1800
READING 1798
SLOPE 473

DO METER: YSI 550 A S/N 04B0256 AC
ELEVATION 4800 FT.

TIME	VOL	TEMP	pH	COND	DO
1150	INITIAL	25.2	7.62	627	5.74
1156	5	25.7	7.34	811	4.34
1201	10	25.8	7.33	808	4.32
1207	15	25.9	7.33	817	4.32
1212	20	25.9	7.32	782	4.42
1217	25	25.9	7.32	771	4.42
1225	COLLECTED SAMPLE SMR3				

10-1-07

1200 ARRIVE AT STAGING AREA AT HTA ON WSMR. MEET WITH OTHER USGS EMPLOYEES.

CALIBRATION: pH METER MODEL 250 At S/N 014709
pH BUFFERS: ~~7.00~~ 4.01, 7.00, 10.01
INITIAL READING: 4.01, 7.01, 10.04
ADJUSTED: N/A
SLOPE: 98.3

CONDUCTIVITY METER: MODEL 130A S/N 06752
STANDARD: 1000
INITIAL READING: 988
ADJUSTED: 1001
SLOPE 480

DO METER: YSI MODEL 550A S/N 04B0256AC
ELEVATION 5200 FT.

1405 ARRIVE AT WELL HTA-35, WL 75.05

TIME	VOL	TEMP	pH	COND	DO
1420	INITIAL	24.7	7.36	752	1.76
1422	5	23.0	7.34	811	1.83
1424	10	23.0	7.33	815	1.79
1427	15	23.0	7.30	823	1.65
1430	20	23.0	7.29	824	1.61

1435 COLLECTED SAMPLE HTA-35

10-1-07

1521 ARRIVE AT WELL HTA-44. WL 100.18

TIME	VOL	pH	COND	DO	TEMP
1531	INITIAL	7.68	241	4.61	22.4
1534	5	7.47	486	2.61	22.5
1537	10	7.40	606	1.31	22.4
1539	15	7.38	734	0.24	22.3
1542	20	7.38	736	0.16	22.3

1550 COLLECTED SAMPLE HTA-44

1614 ARRIVE AT WELL HTA-30. WL 94.9C

TIME	VOL PUMP	TEMP	pH	COND	DO
1623	INITIAL	21.6	7.54	744	6.43
1625	5	21.0	7.55	796	6.76
1628	10	21.0	7.55	804	6.90
1630	15	21.0	7.56	807	6.93
1632	20	21.1	7.55	809	6.94

1635 COLLECTED SAMPLE HTA-30

10-2-07

0815 INTRODUCED DR. ERIC VOGLER + DR. MICHELLE LORAH TO WSMR POINT-OF-CONTACT JOSE CALLAGOS, IN REGARDS TO A POSSIBLE PILOT STUDY.

0835 FRED GEBHARDT ARRIVES AT HTA STAGING AREA. JEFF LANGMAN, ANDREW ROBERTSON, + MATT GEBHARDT ARE ALREADY AT STAGING AREA PREPARING TO LEAVE TO BEGIN SAMPLING.

CALIBRATION OF METERS:

pH METER: MODEL 250 A+ S/N 014709
BUFFERS 4.01, 7.00 + 10.01
INITIAL READING 4.01, 7.02 + 10.07
ADJUSTED 4.01, 7.02 + 10.01
SLOPE 99.1

CONDUCTIVITY METER: MODEL 130 A S/N 067526
STANDARD 1000
INITIAL 1004
ADJUSTED 1000
SLOPE 476

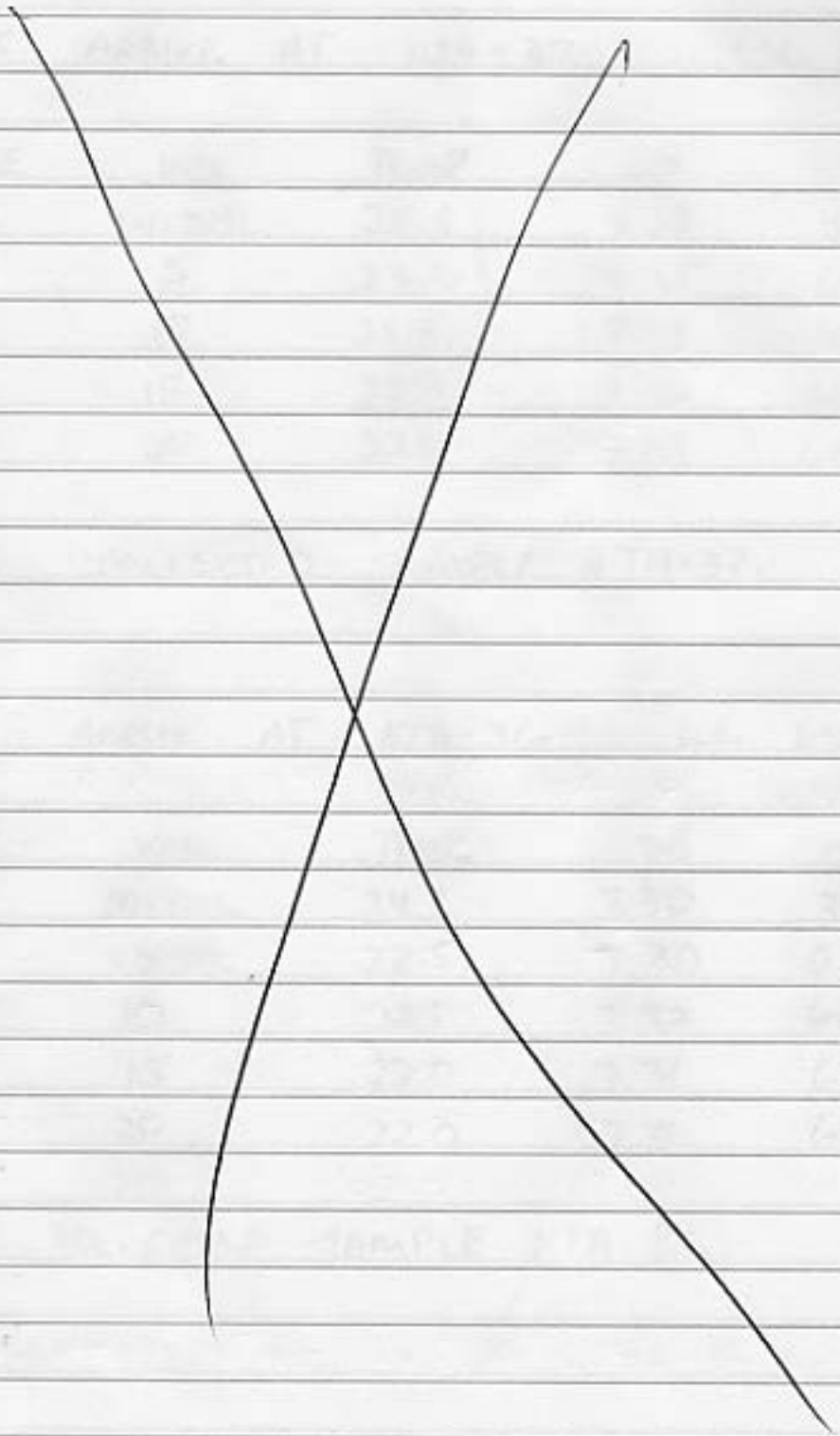
DO METER: YSI MODEL 550A S/N 04130235AL
ELEVATION: 5000

10-2-07

1134 ARRIVE AT WELL HTA-38. WL 86.92

TIME	VOL	TEMP	pH	COND	DO
1139	INITIAL	25.5	7.36	291	4.45
1141	5	23.0	7.10	592	3.84
1143	10	22.7	7.06	599	3.91
1145	15	22.6	7.05	601	3.91
1147	20	22.7	7.04	602	3.91

1158 COLLECTED SAMPLE HTA-38.



10-2-07

1205 ARRIVE AT HTA-37 . WL 89.07

TIME	VOL	TEMP	pH	COND	DO
1212	INITIAL	25.4	7.29	413	2.70
1214	5	23.6	7.35	603	0.98
1217	10	24.4	7.33	528	0.45
1220	15	23.8	7.36	645	0.46
1223	20	23.8	7.39	645	0.14

1230 COLLECTED SAMPLE HTA-37.

1251 ARRIVE AT HTA-36. WL 64.05

TIME	VOL	TEMP	pH	COND	DO
1257	INITIAL	24.3	7.30	360	1.55
1259	5	22.5	7.30	652	0,43
1301	10	22.1	7.32	467	0.30
1303	15	22.0	7.31	679	0.45
1305	20	22.0	7.31	680	0;50

1310 COLLECTED SAMPLE HTA-36.

10-2-07

1340 ARRIVE AT WELL HTA-39. WL. 80.02

TIME	VOL	TEMP	PH	COND	DO
1348	INITIAL	26.1	7.34	658	3.35
1351	5	23.0	7.41	735	3.32
1353	10	22.6	7.40	738	3.18
1355	15	23.0	7.40	739	3.17
1357	20	22.9	7.40	739	3.14

1400 COLLECTED ENVIRONMENTAL SAMPLE HTA-39.

1425 ARRIVE AT WELL HTA-40 WL 93.87

TIME	VOL	TEMP	PH	COND	DO
1435	INITIAL	27.3	7.06	500	1.33
1438	5	23.0	7.29	699	0.22
1441	10	22.5	7.30	702	0.12
1443	15	22.9	7.30	702	0.09
1446	20	23.1	7.29	703	0.09

H_2S

1450 COLLECTED SAMPLE HTA-40.

1510 ARRIVE AT STAGING AREA. COLLECTED EQUIPMENT BLANK HTA-40EB @ TIME 1530.

PACK & SHIP

10-5-07

0745 CREW: FRED + MATT GEBHARDT

CALIBRATION OF METERS:

PH METER: MODEL 250 A+ S/N 014709
BUFFERS: 4.01, 7.00, 10.01
INITIAL READING: 4.01, 7.01, 10.06
ADJUSTED: 4.01, 7.01, 10.06
SLOPE: 98.3

CONDUCTIVITY METER:
MODEL: ORION 130 A S/N 067526'02
STANDARD: 1000
INITIAL: 999
ADJUSTED: —
SLOPE: —

D.O. METER: YSI 550 A
S/N 0430 256 AL
ELEVATION: 5400

10-3-05

0955 ARRIVE AT WELL HTA-48. WL 118.19.

TIME	VOL	TEMP	pH	COND	DO
1003	INITIAL	24.9	7.19	660	2.06
1006	5	23.6	7.16	782	0.30
1008	10	23.8	7.16	768	0.99
1011	15	23.8	7.14	780	1.60
1015	20	23.9	7.12	794	1.93

1020 COLLECTED SAMPLE HTA48

1058 ARRIVE AT WELL HTA-41. WL. 110.64
THIS WELL HAS A BLADDER PUMP, HOWEVER IT IS NOT CURRENTLY WORKING. WILL BE USING A GRUNDFOS PUMP.

TIME	VOL	TEMP	pH	COND	DO
1110	INITIAL	25.9	7.08	737	4.79
1112	5	23.2	7.08	787	5.03
1114	10	23.1	7.08	788	5.12
1116	15	23.1	7.10	787	5.12
1118	20	23.1	7.12	786	5.10

1125 COLLECTED SAMPLE HTA 41

10-3-07

1145 ARRIVE AT WELL HTA-47A. WL 76.66.

TIME	VOL	TEMP	pH	COND	DO
1151	INITIAL	26.3	7.38	611	1.75
1154	5	24.0	7.41	752	0.56
1156	10	22.9	7.43	780	0.48
1159	15	23.2	7.43	777	0.45
1201	20	22.9	7.43	781	0.35

1205 COLLECTED SAMPLE HTA47A

1232 ARRIVE AT WELL HTA-51. WL 87.34

TIME	VOL	TEMP	pH	COND	DO
1249	INITIAL	25.8	7.16	770	4.37
1251	5	23.0	7.17	943	4.29
1253	10	22.4	7.18	965	4.46
1255	15	22.2	7.18	968	4.49
1257	20	22.2	7.18	970	4.53

1300 COLLECTED SAMPLE HTA-51.

10-3-07

1336 ARRIVE AT WELL HTA-27. WL 103.81

TIME	VOL	pH	COND	DO	TEMP
1344	INITIAL	7.31	536	0.94	26.1
1346	5	7.41	532	2.70	22.8
1350	10	7.37	489	2.25	23.5
1352	15	7.36	727	0.11	22.2
1355	20	7.37	730	0.10	22.1

1400 SAMPLE COLLECTED HTA27

10/04/07

0805 CREW : JEFF LANGHAN, KURT M'COY

METERS CALIBRATION :

PH METER : MODEL 250A + S/N #4709
BUFFERS : 4.01, 7.00, 10.01
INITIAL READING :
ADJUSTED :
SLOPE : 98.3

CONDUCTIVITY METER
MODEL : ORION 130A S/N 0675261'02
STANDARD : 1000
INITIAL : 0.988
ADJUSTED : 1.000
SLOPE : 0.479

D.O. METER : YSI 550 A.
S/N 04B0 256 AL

10/4/07

HTA-26

Arrive @ 0905 at well HTA-26 Water Level 101.10' Below MP (TOC)

Time	Gal Vol	pH	µs/cm cond	mg/L DO	°C (pH) Temp
0910	<1	7.28	926	0.98	21.6
0920	5	7.28	925	0.74	21.2
0935	10	7.27	922	0.64	21.2
0945	15	7.27	926	0.65	21.2
0955	20	7.28	929	6.68	21.2

PUMP HANGER

1000 Collected ENV GW Sample for HTA-26

HTA-29

Arrive at 1015 @ well HTA-26 WL = 78.70' BELOW TOC

Time	Gal Vol	pH	µs/cm cond	mg/L DO	°C (pH) Temp
1025	<1	7.20	1002	0.62	20.7
1030	5	7.19	1000	0.31	20.4
1040	10	7.19	1001	0.47	20.4
1050	15	7.18	1002	0.50	20.8
1105	20	7.19	1001	0.65	20.4

1110 Collected ENV GW Sample for ATA-29

10/4/07

1145 - ARRIVE AT MARKHAM SPRINGS
- STOCK TANK FULL
- 50 YDS UPSTREAM, SEEP IS EXPOSED BUT NO SAMPLE SPOT (SHEENS KLAUSS ROCK
- ½ GPM OUT OF PIPE AT

FIELD PROPERTIES:
DO = 4.34 mg/L COND = 812 µS/cm
pH = 7.34 TEMP = 24.8°C

SAMPLE AT PIPE INTO STOCK TANK AT 12:00 pm

1335 - Arrive at Bonnie Springs Windmill Mine
WL = 25.58' Below TOC

Field Properties
DO = 2.19 COND = 984
pH = 7.34 TEMP = 23.3°C

Sample collected by bailer at 1345

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Alkalinity	E 310.1

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44245	Date Analyzed:	2007-12-20	Analyzed By:	JG
Prep Batch:	38115	Sample Preparation:	2007-12-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44245	Date Analyzed:	2007-12-20	Analyzed By:	JG
Prep Batch:	38115	Sample Preparation:	2007-12-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**118**		mg/L as CaCo3	1	4.00
Total Alkalinity		**118**		mg/L as CaCo3	1	4.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44245	Date Analyzed:	2007-12-20	Analyzed By:	JG
Prep Batch:	38115	Sample Preparation:	2007-12-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**88.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**88.0**		mg/L as CaCo3	1	4.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44392	Date Analyzed:	2008-01-03	Analyzed By:	JG
Prep Batch:	38235	Sample Preparation:	2008-01-03	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00

continued . . .

sample 146656 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**98.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**98.0**	mg/L as CaCo3	1	4.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44392	Date Analyzed:	2008-01-03	Analyzed By:	JG
Prep Batch:	38235	Sample Preparation:	2008-01-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**74.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**74.0**	mg/L as CaCo3	1	4.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**146**	mg/L as CaCo3	1	4.00
Total Alkalinity		**146**	mg/L as CaCo3	1	4.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**88.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**88.0**	mg/L as CaCo3	1	4.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**104**		mg/L as CaCo3	1	4.00
Total Alkalinity		**104**		mg/L as CaCo3	1	4.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**106**		mg/L as CaCo3	1	4.00
Total Alkalinity		**106**		mg/L as CaCo3	1	4.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

continued ...

sample 147479 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**84.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**84.0**		mg/L as CaCo3	1	4.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**70.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**70.0**		mg/L as CaCo3	1	4.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**90.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**90.0**		mg/L as CaCo3	1	4.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**		mg/L as CaCo3	1	4.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44673	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38470	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**114**		mg/L as CaCo3	1	4.00

continued . . .

sample 147802 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Alkalinity		**114**	mg/L as CaCo3	1	4.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44930	Date Analyzed:	2008-01-22	Analyzed By:	JG
Prep Batch:	38688	Sample Preparation:	2008-01-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**	mg/L as CaCo3	1	4.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44930	Date Analyzed:	2008-01-22	Analyzed By:	JG
Prep Batch:	38688	Sample Preparation:	2008-01-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**74.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**74.0**	mg/L as CaCo3	1	4.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44930	Date Analyzed:	2008-01-22	Analyzed By:	JG
Prep Batch:	38688	Sample Preparation:	2008-01-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**	mg/L as CaCo3	1	4.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44930	Date Analyzed:	2008-01-22	Analyzed By:	JG
Prep Batch:	38688	Sample Preparation:	2008-01-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44930	Date Analyzed:	2008-01-22	Analyzed By:	JG
Prep Batch:	38688	Sample Preparation:	2008-01-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**60.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**60.0**		mg/L as CaCo3	1	4.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	44930	Date Analyzed:	2008-01-22	Analyzed By:	JG
Prep Batch:	38688	Sample Preparation:	2008-01-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**124**		mg/L as CaCo3	1	4.00
Total Alkalinity		**124**		mg/L as CaCo3	1	4.00

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	45670	Date Analyzed:	2008-02-06	Analyzed By:	JG
Prep Batch:	39323	Sample Preparation:	2008-02-06	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

continued . . .

sample 148999 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	45670	Date Analyzed:	2008-02-06	Analyzed By:	JG
Prep Batch:	39323	Sample Preparation:	2008-02-06	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	45670	Date Analyzed:	2008-02-06	Analyzed By:	JG
Prep Batch:	39323	Sample Preparation:	2008-02-06	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**84.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**84.0**		mg/L as CaCo3	1	4.00

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	45670	Date Analyzed:	2008-02-06	Analyzed By:	JG
Prep Batch:	39323	Sample Preparation:	2008-02-06	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**44.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**44.0**		mg/L as CaCo3	1	4.00

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	45670	Date Analyzed:	2008-02-06	Analyzed By:	JG
Prep Batch:	39323	Sample Preparation:	2008-02-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**84.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**84.0**	mg/L as CaCo3	1	4.00

Method Blank (1) QC Batch: 44245

QC Batch:	44245	Date Analyzed:	2007-12-20	Analyzed By:	JG
Prep Batch:	38115	QC Preparation:	2007-12-20	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 44392

QC Batch:	44392	Date Analyzed:	2008-01-03	Analyzed By:	JG
Prep Batch:	38235	QC Preparation:	2008-01-03	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 44672

QC Batch:	44672	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38469	QC Preparation:	2008-01-10	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 44673

QC Batch: 44673 Date Analyzed: 2008-01-14 Analyzed By: JG
Prep Batch: 38470 QC Preparation: 2008-01-14 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 44930

QC Batch: 44930 Date Analyzed: 2008-01-22 Analyzed By: JG
Prep Batch: 38688 QC Preparation: 2008-01-22 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 45670

QC Batch: 45670 Date Analyzed: 2008-02-06 Analyzed By: JG
Prep Batch: 39323 QC Preparation: 2008-02-06 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Duplicates (1)

QC Batch: 44245 Date Analyzed: 2007-12-20 Analyzed By: JG
Prep Batch: 38115 QC Preparation: 2007-12-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	80.0	80.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	80.0	80.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 44392 Date Analyzed: 2008-01-03 Analyzed By: JG
Prep Batch: 38235 QC Preparation: 2008-01-03 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	74.0	74.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	74.0	74.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 44672 Date Analyzed: 2008-01-10 Analyzed By: JG
Prep Batch: 38469 QC Preparation: 2008-01-10 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	86.0	88.0	mg/L as CaCo3	1	2	6.3
Total Alkalinity	86.0	88.0	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 44673 Date Analyzed: 2008-01-14 Analyzed By: JG
Prep Batch: 38470 QC Preparation: 2008-01-14 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	92.0	90.0	mg/L as CaCo3	1	2	6.3
Total Alkalinity	92.0	90.0	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 44930 Date Analyzed: 2008-01-22 Analyzed By: JG
Prep Batch: 38688 QC Preparation: 2008-01-22 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	74.0	72.0	mg/L as CaCo3	1	3	6.3
Total Alkalinity	74.0	72.0	mg/L as CaCo3	1	3	6.3

Duplicates (1)

QC Batch: 45670 Date Analyzed: 2008-02-06 Analyzed By: JG
Prep Batch: 39323 QC Preparation: 2008-02-06 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	76.0	78.0	mg/L as CaCo3	1	3	6.3
Total Alkalinity	76.0	78.0	mg/L as CaCo3	1	3	6.3

Standard (ICV-1)

QC Batch: 44245 Date Analyzed: 2007-12-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-12-20
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-12-20
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-12-20
Total Alkalinity		mg/L as CaCo3	250	246	98	0 - 105	2007-12-20

Standard (CCV-1)

QC Batch: 44245 Date Analyzed: 2007-12-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-12-20
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-12-20
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-12-20
Total Alkalinity		mg/L as CaCo3	250	240	96	0 - 105	2007-12-20

Standard (ICV-1)

QC Batch: 44392 Date Analyzed: 2008-01-03 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-03
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2008-01-03
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2008-01-03
Total Alkalinity		mg/L as CaCo3	250	250	100	0 - 105	2008-01-03

Standard (CCV-1)

QC Batch: 44392 Date Analyzed: 2008-01-03 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-03
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2008-01-03
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2008-01-03
Total Alkalinity		mg/L as CaCo3	250	250	100	0 - 105	2008-01-03

Standard (ICV-1)

QC Batch: 44672 Date Analyzed: 2008-01-10 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-10
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2008-01-10
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2008-01-10
Total Alkalinity		mg/L as CaCo3	250	250	100	0 - 105	2008-01-10

Standard (CCV-1)

QC Batch: 44672 Date Analyzed: 2008-01-10 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-10
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2008-01-10
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2008-01-10
Total Alkalinity		mg/L as CaCo3	250	246	98	0 - 105	2008-01-10

Standard (ICV-1)

QC Batch: 44673 Date Analyzed: 2008-01-14 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-14
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2008-01-14
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2008-01-14
Total Alkalinity		mg/L as CaCo3	250	242	97	0 - 105	2008-01-14

Standard (CCV-1)

QC Batch: 44673 Date Analyzed: 2008-01-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-14
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2008-01-14
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2008-01-14
Total Alkalinity		mg/L as CaCo3	250	248	99	0 - 105	2008-01-14

Standard (ICV-1)

QC Batch: 44930 Date Analyzed: 2008-01-22 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-22
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2008-01-22
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2008-01-22
Total Alkalinity		mg/L as CaCo3	250	248	99	0 - 105	2008-01-22

Standard (CCV-1)

QC Batch: 44930 Date Analyzed: 2008-01-22 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-01-22
Carbonate Alkalinity		mg/L as CaCo3	0.00	228		0 - 105	2008-01-22
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	12.0		0 - 105	2008-01-22
Total Alkalinity		mg/L as CaCo3	250	240	96	0 - 105	2008-01-22

Standard (ICV-1)

QC Batch: 45670 Date Analyzed: 2008-02-06 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-02-06
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2008-02-06
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2008-02-06
Total Alkalinity		mg/L as CaCo3	250	244	98	0 - 105	2008-02-06

Standard (CCV-1)

QC Batch: 45670 Date Analyzed: 2008-02-06 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2008-02-06
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2008-02-06
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	12.0		0 - 105	2008-02-06
Total Alkalinity		mg/L as CaCo3	250	244	98	0 - 105	2008-02-06

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Amenable Cyanide	SM 4500-CN G

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44335	Date Analyzed:	2008-01-02	Analyzed By:	MM
Prep Batch:	38192	Sample Preparation:	2007-12-21	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.354**	mg/L	1	0.0100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.241**	mg/L	1	0.0100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.258**	mg/L	1	0.0100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.0320**	mg/L	1	0.0100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.257**	mg/L	1	0.0100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.226**	mg/L	1	0.0100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.392**	mg/L	1	0.0100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.149**	mg/L	1	0.0100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.396**	mg/L	1	0.0100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.248**	mg/L	1	0.0100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0990**	mg/L	1	0.0100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.169**	mg/L	1	0.0100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.155**	mg/L	1	0.0100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Amenable Cyanide		**0.342**		mg/L	1	0.0100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Amenable Cyanide		**0.334**		mg/L	1	0.0100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Amenable Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Amenable Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Amenable Cyanide		**0.483**		mg/L	1	0.0100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45204	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38934	Sample Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0840**	mg/L	1	0.0100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45204	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38934	Sample Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45204	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38934	Sample Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45334	Date Analyzed:	2008-02-06	Analyzed By:	MM
Prep Batch:	39050	Sample Preparation:	2008-02-06	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	45334	Date Analyzed:	2008-02-06	Analyzed By:	MM
Prep Batch:	39050	Sample Preparation:	2008-02-06	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 44335

QC Batch:	44335	Date Analyzed:	2008-01-02	Analyzed By:	MM
Prep Batch:	38192	QC Preparation:	2007-12-21	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 44723

QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	QC Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 45026

QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	QC Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 45028

QC Batch:	45028	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38778	QC Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 45204

QC Batch:	45204	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38934	QC Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 45334

QC Batch:	45334	Date Analyzed:	2008-02-06	Analyzed By:	MM
Prep Batch:	39050	QC Preparation:	2008-02-06	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	44335	Date Analyzed:	2008-01-02	Analyzed By:	MM
Prep Batch:	38192	QC Preparation:	2007-12-21	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.115	mg/L	1	0.120	<0.000829	96	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.118	mg/L	1	0.120	<0.000829	98	65.5 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	44723	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38511	QC Preparation:	2008-01-15	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.118	mg/L	1	0.120	<0.000829	98	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.123	mg/L	1	0.120	<0.000829	102	65.5 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	45026	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38776	QC Preparation:	2008-01-25	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.124	mg/L	1	0.120	<0.000829	103	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.121	mg/L	1	0.120	<0.000829	101	65.5 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45028 Date Analyzed: 2008-01-25 Analyzed By: MM
Prep Batch: 38778 QC Preparation: 2008-01-25 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.126	mg/L	1	0.120	<0.000829	105	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.124	mg/L	1	0.120	<0.000829	103	65.5 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45204 Date Analyzed: 2008-01-30 Analyzed By: MM
Prep Batch: 38934 QC Preparation: 2008-01-30 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.127	mg/L	1	0.120	<0.000829	106	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.113	mg/L	1	0.120	<0.000829	94	65.5 - 111	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45334 Date Analyzed: 2008-02-06 Analyzed By: MM
Prep Batch: 39050 QC Preparation: 2008-02-06 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.126	mg/L	1	0.120	<0.000829	105	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.120	mg/L	1	0.120	<0.000829	100	65.5 - 111	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 44335 Date Analyzed: 2008-01-02 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.123	102	85 - 115	2008-01-02

Standard (CCV-1)

QC Batch: 44335 Date Analyzed: 2008-01-02 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.124	103	85 - 115	2008-01-02

Standard (ICV-1)

QC Batch: 44723 Date Analyzed: 2008-01-15 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.126	105	85 - 115	2008-01-15

Standard (CCV-1)

QC Batch: 44723 Date Analyzed: 2008-01-15 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.113	94	85 - 115	2008-01-15

Standard (ICV-1)

QC Batch: 45026 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.124	103	85 - 115	2008-01-25

Standard (CCV-1)

QC Batch: 45026 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.121	101	85 - 115	2008-01-25

Standard (ICV-1)

QC Batch: 45028 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.121	101	85 - 115	2008-01-25

Standard (CCV-1)

QC Batch: 45028 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.127	106	85 - 115	2008-01-25

Standard (ICV-1)

QC Batch: 45204 Date Analyzed: 2008-01-30 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.125	104	85 - 115	2008-01-30

Standard (CCV-1)

QC Batch: 45204 Date Analyzed: 2008-01-30 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.115	96	85 - 115	2008-01-30

Standard (ICV-1)

QC Batch: 45334 Date Analyzed: 2008-02-06 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.132	110	85 - 115	2008-02-06

Standard (CCV-1)

QC Batch: 45334 Date Analyzed: 2008-02-06 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.128	107	85 - 115	2008-02-06

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ammonia	SM 4500-NH3 B,C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44104	Date Analyzed:	2007-12-20	Analyzed By:	MM
Prep Batch:	38003	Sample Preparation:	2007-12-20	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44394	Date Analyzed:	2008-01-03	Analyzed By:	MM
Prep Batch:	38237	Sample Preparation:	2008-01-03	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		**3.16**	mg/L	1	1.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44394	Date Analyzed:	2008-01-03	Analyzed By:	MM
Prep Batch:	38237	Sample Preparation:	2008-01-03	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		**1.62**	mg/L	1	1.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44394	Date Analyzed:	2008-01-03	Analyzed By:	MM
Prep Batch:	38237	Sample Preparation:	2008-01-03	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		**1.18**	mg/L	1	1.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44394	Date Analyzed:	2008-01-03	Analyzed By:	MM
Prep Batch:	38237	Sample Preparation:	2008-01-03	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45070	Date Analyzed:	2008-01-28	Analyzed By:	MM
Prep Batch:	38814	Sample Preparation:	2008-01-28	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45070	Date Analyzed:	2008-01-28	Analyzed By:	MM
Prep Batch:	38814	Sample Preparation:	2008-01-28	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44965	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38723	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	44965	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38723	Sample Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45070	Date Analyzed:	2008-01-28	Analyzed By:	MM
Prep Batch:	38814	Sample Preparation:	2008-01-28	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45366	Date Analyzed:	2008-02-07	Analyzed By:	MM
Prep Batch:	39078	Sample Preparation:	2008-02-07	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45366	Date Analyzed:	2008-02-07	Analyzed By:	MM
Prep Batch:	39078	Sample Preparation:	2008-02-07	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45366	Date Analyzed:	2008-02-07	Analyzed By:	MM
Prep Batch:	39078	Sample Preparation:	2008-02-07	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45366	Date Analyzed:	2008-02-07	Analyzed By:	MM
Prep Batch:	39078	Sample Preparation:	2008-02-07	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	45784	Date Analyzed:	2008-02-21	Analyzed By:	MM
Prep Batch:	39416	Sample Preparation:	2008-02-21	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Method Blank (1) QC Batch: 44104

QC Batch:	44104	Date Analyzed:	2007-12-20	Analyzed By:	MM
Prep Batch:	38003	QC Preparation:	2007-12-20	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 44394

QC Batch:	44394	Date Analyzed:	2008-01-03	Analyzed By:	MM
Prep Batch:	38237	QC Preparation:	2008-01-03	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 44963

QC Batch:	44963	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38721	QC Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 44964

QC Batch:	44964	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38722	QC Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 44965

QC Batch:	44965	Date Analyzed:	2008-01-23	Analyzed By:	MM
Prep Batch:	38723	QC Preparation:	2008-01-23	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 45070

QC Batch:	45070	Date Analyzed:	2008-01-28	Analyzed By:	MM
Prep Batch:	38814	QC Preparation:	2008-01-28	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 45366

QC Batch:	45366	Date Analyzed:	2008-02-07	Analyzed By:	MM
Prep Batch:	39078	QC Preparation:	2008-02-07	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 45784

QC Batch:	45784	Date Analyzed:	2008-02-21	Analyzed By:	MM
Prep Batch:	39416	QC Preparation:	2008-02-21	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch:	44104	Date Analyzed:	2007-12-20	Analyzed By:	MM
Prep Batch:	38003	QC Preparation:	2007-12-20	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.54	mg/L	1	5.00	<0.560	91	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.98	mg/L	1	5.00	<0.560	100	80.1 - 101	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	44394	Date Analyzed:	2008-01-03	Analyzed By:	MM
Prep Batch:	38237	QC Preparation:	2008-01-03	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.26	mg/L	1	5.00	<0.560	85	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.51	mg/L	1	5.00	<0.560	90	80.1 - 101	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44963 Date Analyzed: 2008-01-23 Analyzed By: MM
Prep Batch: 38721 QC Preparation: 2008-01-23 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.70	mg/L	1	5.00	<0.560	94	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.84	mg/L	1	5.00	<0.560	97	80.1 - 101	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44964 Date Analyzed: 2008-01-23 Analyzed By: MM
Prep Batch: 38722 QC Preparation: 2008-01-23 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.96	mg/L	1	5.00	<0.560	99	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.76	mg/L	1	5.00	<0.560	95	80.1 - 101	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44965 Date Analyzed: 2008-01-23 Analyzed By: MM
Prep Batch: 38723 QC Preparation: 2008-01-23 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.84	mg/L	1	5.00	<0.560	97	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.65	mg/L	1	5.00	<0.560	93	80.1 - 101	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45070 Date Analyzed: 2008-01-28 Analyzed By: MM
Prep Batch: 38814 QC Preparation: 2008-01-28 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.65	mg/L	1	5.00	<0.560	93	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.90	mg/L	1	5.00	<0.560	98	80.1 - 101	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45366 Date Analyzed: 2008-02-07 Analyzed By: MM
Prep Batch: 39078 QC Preparation: 2008-02-07 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.96	mg/L	1	5.00	<0.560	99	80.1 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.51	mg/L	1	5.00	<0.560	90	80.1 - 101	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45784 Date Analyzed: 2008-02-21 Analyzed By: MM
Prep Batch: 39416 QC Preparation: 2008-02-21 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	5.18	mg/L	1	5.00	<0.560	104	79.6 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.62	mg/L	1	5.00	<0.560	92	79.6 - 106	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44104 | Date Analyzed: 2007-12-20 | Analyzed By: MM
Prep Batch: 38003 | QC Preparation: 2007-12-20 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	5.71	mg/L	1	5.00	<0.560	114	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.87	mg/L	1	5.00	<0.560	97	69.2 - 123	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146657

QC Batch: 44394 | Date Analyzed: 2008-01-03 | Analyzed By: MM
Prep Batch: 38237 | QC Preparation: 2008-01-03 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	3.86	mg/L	1	5.00	<0.560	77	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.98	mg/L	1	5.00	<0.560	100	69.2 - 123	25	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44963 | Date Analyzed: 2008-01-23 | Analyzed By: MM
Prep Batch: 38721 | QC Preparation: 2008-01-23 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.70	mg/L	1	5.00	<0.560	94	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.84	mg/L	1	5.00	<0.560	97	69.2 - 123	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44964 | Date Analyzed: 2008-01-23 | Analyzed By: MM
Prep Batch: 38722 | QC Preparation: 2008-01-23 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.73	mg/L	1	5.00	<0.560	95	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.31	mg/L	1	5.00	<0.560	86	69.2 - 123	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148532

QC Batch: 44965 Date Analyzed: 2008-01-23 Analyzed By: MM
Prep Batch: 38723 QC Preparation: 2008-01-23 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.12	mg/L	1	5.00	<0.560	82	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.40	mg/L	1	5.00	<0.560	88	69.2 - 123	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148533

QC Batch: 45070 Date Analyzed: 2008-01-28 Analyzed By: MM
Prep Batch: 38814 QC Preparation: 2008-01-28 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N [1]	6.78	mg/L	1	5.00	<0.560	136	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	5.82	mg/L	1	5.00	<0.560	116	69.2 - 123	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45366 Date Analyzed: 2008-02-07 Analyzed By: MM
Prep Batch: 39078 QC Preparation: 2008-02-07 Prepared By: MM

continued . . .

[1] Matrix spikes were above curve. Use LCS/LCSD to show method in control. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.26	mg/L	1	5.00	<0.560	85	69.2 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.87	mg/L	1	5.00	<0.560	97	69.2 - 123	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149865

QC Batch: 45784 Date Analyzed: 2008-02-21 Analyzed By: MM
Prep Batch: 39416 QC Preparation: 2008-02-21 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.98	mg/L	1	5.00	<0.560	100	70.5 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.98	mg/L	1	5.00	<0.560	100	70.5 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 44104 Date Analyzed: 2007-12-20 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.82	96	85 - 115	2007-12-20

Standard (CCV-1)

QC Batch: 44104 Date Analyzed: 2007-12-20 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.87	97	85 - 115	2007-12-20

Standard (ICV-1)

QC Batch: 44394 Date Analyzed: 2008-01-03 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.37	87	85 - 115	2008-01-03

Standard (CCV-1)

QC Batch: 44394 Date Analyzed: 2008-01-03 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.59	92	85 - 115	2008-01-03

Standard (ICV-1)

QC Batch: 44963 Date Analyzed: 2008-01-23 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.57	111	85 - 115	2008-01-23

Standard (CCV-1)

QC Batch: 44963 Date Analyzed: 2008-01-23 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.84	97	85 - 115	2008-01-23

Standard (ICV-1)

QC Batch: 44964 Date Analyzed: 2008-01-23 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.10	102	85 - 115	2008-01-23

Standard (CCV-1)

QC Batch: 44964 Date Analyzed: 2008-01-23 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.45	89	85 - 115	2008-01-23

Standard (ICV-1)

QC Batch: 44965 Date Analyzed: 2008-01-23 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.45	89	85 - 115	2008-01-23

Standard (CCV-1)

QC Batch: 44965 Date Analyzed: 2008-01-23 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.15	103	85 - 115	2008-01-23

Standard (ICV-1)

QC Batch: 45070 Date Analyzed: 2008-01-28 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.54	91	85 - 115	2008-01-28

Standard (CCV-1)

QC Batch: 45070 Date Analyzed: 2008-01-28 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.24	105	85 - 115	2008-01-28

Standard (ICV-1)

QC Batch: 45366 Date Analyzed: 2008-02-07 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.45	89	85 - 115	2008-02-07

Standard (CCV-1)

QC Batch: 45366 Date Analyzed: 2008-02-07 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.90	98	85 - 115	2008-02-07

Standard (ICV-1)

QC Batch: 45784 Date Analyzed: 2008-02-21 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.87	97	85 - 115	2008-02-21

Standard (CCV-1)

QC Batch: 45784 Date Analyzed: 2008-02-21 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.76	95	85 - 115	2008-02-21

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
15	STP PERCOLATION DITCHES		Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	NM3	D7 Ag, As, Ba, Cd, Co, Cr, Cu, Ni, Pb, Se, Sn, Tl, V, Zn	NO3-NO2, 207 Hg	PH, Fl, Cl, SO4 Alk, Cond.	
SAMPLER'S SIGNATURE: George Esqueda													
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.									
12/17/07	1305	SGTP-6678-SMW-004/12 07	WATER	145769	6	X	X	X	X	X	X	•	•	•	•	

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courier	GOOD CONDITION/C HILLED 3C	(TIME/ DATE) 11:30 12/18/07	(TIME/ DATE) 1135 12-18-07	(TIME/ DATE) 121907 1000 4°
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40362373

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	pH, Fl, Cl, SO4	Hg, Ag, Ba, Be, Cd, Co, Cr	Ni, Pb, Sb, Se, Sn, Tl, V, Zn	Cond, Alk, NH3	TDS, Cyanide, Arsen. Cyanide	REMARKS
12/19/07	1440	MNPL-MPL-MPL-007-12 07	WATER	146151	6	X	X	X	X	X	X	•	•	•	•	•	

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Otiena	(PRINTED NAME): BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trac Analysis
	GOOD CONDITION/CHILLED	4C	(TIME/ DATE): 1620 12/19/07	(TIME/ DATE): 1740 12-19-07	(TIME/ DATE): 12/21/07 10:20 4°
VIA: Lab Courier	CONFORMS TO RECORD	MT	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS. 40369533

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	pH, Fl, Cl, SO4	TDT, Hg	TCLP As, As, Be, Cd, Cr, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	Alk, Total, NH3, TDS	Amen. Cyanide, TOT. Cyanide	REMARKS
12/19/07	1053	MNPL-MPL-MPL-002-1207	WATER	146152	6	X	X	X	X	X	X	•	•	•	•		

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED	
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	
	GOOD CONDITION/CHILLED	4°C
VIA: Lab Courier	CONFORMS TO RECORD	MM

1. RELINQUISHED BY: (SIGNATURE) George Esqueda
(PRINTED NAME) George ESQUEDA
RECEIVED BY: (SIGNATURE)
(TIME/DATE) 1620 12/19/07

2. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME) James Gutierrez
RECEIVED BY: (SIGNATURE)
(TIME/DATE) 1740 12-19-07

3. RECEIVED BY LAB: (SIGNATURE) Brenda Ward
(PRINTED NAME) BRENDA WARD
(COMPANY) Trace Analysis
(TIME/DATE) 12/21/07 10:20 4°

SPECIAL INSTRUCTIONS / COMMENTS:
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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOC, Hg, NH3	Alk, Cond	Cl, Fl, SO4, TDS	Amen. Cyanide	REMARKS
12-28-07	1200	MNPL-MPL-MPL-030-12 07	WATER	146656	6	X	X	X	X	X	X	•	•	•		TDS cyanide

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME)	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Cory Mason
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	GOOD CONDITION/COLD	4C	(TIME) (DATE) 1505 12/28/07	(TIME) (DATE) 1607 12-28 07	(TIME) (DATE) 1145 12/29/07
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS. P2724467

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
15	STP PERCOLATION DITCHES		Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Tot. Hg, NH3	pH, Alk, cond	Cl, Fl, NO3, TDS (Amen. Cyanide)	Tot. Cyanide	
SAMPLER'S SIGNATURE													
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.									
12-27-07	1316	MNPL-MPL-MPL-017-Q 07	WATER	146657	6	X	X	X	X	X	X	•	•	•		

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GABRIEL GARCIA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Cory Mason
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Goldoff	(COMPANY): Trace
	GOOD CONDITION/ CHILLED 4°C	(TIME/ DATE): 1600 12/27/07	(TIME/ DATE): 1718 12-27-07	(TIME/ DATE): 1145 12/29/07
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS, ~~P2124H~~ 40367369

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8010920

1008

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TDT, Ag, Al, As, Ba, Cd, Co, Cr, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Se, Sn, Tl, V, Zn, Hg, NO3-NO2-N	Amen. Cyanide, TDT, Cyanide		REMARKS
1-7-08	1048	MNPL-MPL-MPL-029-01 1708	WATER	147267	6	X	X	X	X	X	X	•	•		

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GABRIEL GARCIA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Multon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trave
	GOOD CONDITION/COLD: YES	(TIME/DATE): 1610 1/7/08	(TIME/DATE): 1713 1-7-08	(TIME/DATE): 0930 010908
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40367365

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1007

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOTAL Hg, As, Ba, Cd, Cr, Cu, Pb, Sb, Se, Sn, Ti, V, Zn (Mtg. 1W3-102-R)				REMARKS
1-7-08	1345	MNPL-MPL-MPL-028-01 08	WATER	147268	6	X	X	X	X	X	X	•	•			

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mata
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED: 4C	(TIME/DATE): 1610 1/7/08	(TIME/DATE): 1713 1-7-08	(TIME/DATE): 0930 010908
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40367365

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CHAIN OF CUSTODY RECORD

811026

984

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esquenda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	ANALYSIS REQUESTED: • TOT. Hg, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn Hg 103-Mod-D, TOT Cyanide, Amen. Cyanide	NH3, pH			REMARKS
1-8-08	0930	MNPL-MPL-MPL-103-01 0B	WATER	147476	6	X	X	X	X	X	X	•				

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esquenda	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Sabrina Martin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 1610 1/8/08	(TIME/DATE) 1715 1-8-08	(TIME/DATE) 011008 1110 4°
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		US 40367349

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CHAIN OF CUSTODY RECORD

Be, Cl, Co, Cr, Cu, Ni, Pb, Se, Sn, Ti, V, Zn, Hg

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Tot. Ag, As, Ba, Cd, Cr, Cu, Ni, Pb, Se, Sn, Ti, V, Zn, Hg	NO3-NO2-N, pH			REMARKS
1-8-08	1500	MNPL-MPL-MPL-005-01 08	WATER	147477	6	X	X	X	X	X	X	•	,			

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED IN LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Patterson	(PRINTED NAME) Sabrina Multh
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/COLD	4C	(TIME/DATE) 1610 1/8/08	(TIME/DATE) 1715 1-8-08	(TIME/DATE) 011008 1100 4°
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40367342

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TPT: Ag, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, Hg	NO3-NO2-N, PO4			REMARKS
1-8-08	0930	MNPL-MPL-MPL-003-0108	WATER	147478	6	X	X	X	X	X	X		•			

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED FOR LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME):	(PRINTED NAME): Sabrina Mulk
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED 4°C	(TIME/DATE): 1610 1/8/08.	(TIME/DATE): 17:15 1-8-08	(TIME/DATE): 011008 1100 4°
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40367348

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOT, Ag, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, Hg	TOT. Cyanide (Amen. Cyanamid)	pH	REMARKS
1-8-08	1322	MNPL-MPL-MPL-001-0108	WATER	147479	6	X	X	X	X	X	X	•	•	•	

ANALYSIS REQUESTED: NO3-NO2-N

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Martin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4C	(TIME) DATE 1610 1/8/08	(TIME) DATE 17:15 1-8-08	(TIME) DATE 0810008 1100
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40367346		4°

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TDS, pH	REMARKS
1-9-08	1300	MNPL-MPL-MPL-006-0108	WATER	147538	6	X	X	X	X	X	X	•	

ANALYSIS REQUESTED: TDS, Ag, As, Ba, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, NO3-NO2, Hg, TDS, pH

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY/LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mata
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/ CHILLED	(TIME/ DATE): 1020 1/9/08	(TIME/ DATE): 1725 1-8-08	(TIME/ DATE): 01.11.08 930
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40367350		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	NIT, Ag, As, Ba, Cd, Co, Be, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn Hg. NO3-NO2-N, pH				REMARKS
1-9-08	0950	MNPL-MPL-MPL-013-01 08	WATER	147539	6	X	X	X	X	X	X	•				

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mutta
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	GOOD CONDITION/ CHILLED	4C	(TIME/ DATE) 1600 1/9/08	(TIME/ DATE) 1725 1-9-08	(TIME/ DATE) 011008 930
	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS H0367350

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995

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOT: Ag, As, Ba, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn	Hg+ NO3-NO2			REMARKS
1-9-08	1412	MNPL-MPL-MPL-018-01 08	WATER	147540	6	X	X	X	X	X	X	•				

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mulk
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/COLD	4°C	(TIME/DATE): 1620 1/9/08	(TIME/DATE): 1725 1-9-08	(TIME/DATE): 011008 0930
VIA: Lab Courier	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS40326735J

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1003

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME				
15	STP PERCOLATION DITCHES				
SAMPLER'S SIGNATURE: George Esqueda					

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOT. Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, NO3-NO2-N, pH, Hg.			REMARKS
1-11-08	1325	MNPL-MPL-MPL-123-0108	WATER	147799	6	X	X	X	X	X	X	•			

PROJECT INFORMATION	SAMPLES RECEIVED	6	1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE) [signature]	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE) [signature] Kim Bowlin	(COMPANY)
	GOOD CONDITION/CHILLED	4°C	(TIME/ DATE) 1440 1/11/08	(TIME/ DATE) 1700 1/11/08 10:00 1/12/08	(TIME/ DATE)
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS KV		

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1002

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOT. Ag, As, Ba, Cd, Co, Cr, Cu, Ni, Pb, Se, Sn, Tl, V, Zn	Hg: MW3-MW4			REMARKS
1-11-08	1325	MNPL-MPL-MPL-023-01 08	WATER	147800	6	X	X	X	X	X	X	6				

PROJECT INFORMATION	SAMPLES RECEIVED	6	1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gibson	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) Michael R. Kimberlin	(COMPANY)
VIA: Lab Courier	GOOD CONDITION/CHILLED	9°C	(TIME/DATE) 1440 1/11/08	(TIME/DATE) 1700 1/11/08 10:00 1/12/08	(TIME/DATE)
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOT-Ag, As, Ba, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn	Hg. NO3-NO2-N, pH			REMARKS
1-10-08	1301	MNPL-MPL-MPL-010-01 08	WATER	147801	6	X	X	X	X	X	X	•				

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED	George Esqueda		(PRINTED NAME)
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(COMPANY)
VIA: Lab Courier	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Rodriguez	(TIME/DATE)
	GOOD CONDITION/COLD 4°C	(TIME/DATE) 1620 1/10/08	(TIME/DATE) 1725 1-10-08	
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS KW		

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Kimberly Baldin 1/12/08 10:00 Lone Star 4036736

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	TOT. Ag, As, Ba, Cd, Cr, Co, Cu, Ni, Pb, Se, Sn, Tl, V, Zn	Hg - NO3-NO2			REMARKS
1-10-08	1515	MNPL-MPL-T-040-01 08	WATER	147802	6	X	X	X	X	X	X	•				

ANALYSIS REQUESTED: TOT. Ag, As, Ba, Cd, Cr, Co, Cu, Ni, Pb, Se, Sn, Tl, V, Zn; Hg - NO3-NO2; pH

PROJECT INFORMATION		
PROJECT MANAGER: William Little	SAMPLES RECEIVED	
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
VIA: Lab Courier	GOOD CONDITION/ CHILLED	Y
	CONFORMS TO RECORD	

1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
George Esqueda		
(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Sierra	(PRINTED NAME)
RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
(TIME/ DATE) 1600 1/10/08	(TIME/ DATE) 1725 1-10-08	(TIME/ DATE)

SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS KV

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Kim Baldin 1/12/08 10:00 Lone Star 4036726

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	NO3-NO2-N			REMARKS
1-14-08	1302	MNPL-MPL-MPL-024 0108	WATER	148165	6	X	X	X	X	X	X	-			

ANALYSIS REQUESTED

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME) George ESQUEDA	(PRINTED NAME)	(PRINTED NAME)
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	CHAIN OF CUSTODY SEALS		(TIME/DATE) 1610 1/14/08	(TIME/DATE) 1710 1-14-08	(TIME/DATE) 011608 1030
	GOOD CONDITION/CHILLED	4°C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 4036752 4° 6 COUNT		
	CONFORMS TO RECORD	MA			

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997

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Fl, SO4, Cl, NO3 - NO2-N	For Cyanide, Ammon., Cyanide	TDS		REMARKS
1-15-08	1355	MNPL-MPL-MPL-020-0108	WATER	148265	6	X	X	X	X	X	X	•	•	•		

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Multon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED 4°C	(TIME/DATE) 1605 1/15/08	(TIME/DATE) 1720 1-15-08	(TIME/DATE) 011708 945
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40367353 4° (6)		

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148266

8011712

998

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Pl, Cl, SO4	Amen. Cyanide	TDS NO3-NO2-N	REMARKS
1-15-08	1355	MNPL-MPL-MPL-120-01 08	WATER	148266	6	X	X	X	X	X	X	•	•	•	

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED FOR LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mullin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 1605 1/15/08	(TIME/DATE) 1720 1-15-08	(TIME/DATE) 011908 945 TL
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS4586735 4°		

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148461

8011822

996

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Fl, Cl, SO4, cyan	Tot. Ag, As, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, SN, Tl, V, Zn	Amen. Cyanide	TDS	REMARKS
1-16-08	1055	MNPL-MPL-MPL-019-01 08	WATER	148461	6	X	X	X	X	X	X	•	•	•	•	

ANALYSIS REQUESTED: Tot. Ag, As, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, SN, Tl, V, Zn; Amen. Cyanide; TDS; Alk; NO3-NO2-N

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mullin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED	4C	(TIME/DATE): 1750 1/16/08	(TIME/DATE): 1853 1-16-08	(TIME/DATE): 011808 1030
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS	LS 40367407	4°

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148532

8012105

1006

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Cl, SO4, Cl, PH	Cond	Amen. Cyanide / DT. Cyanide	TDS; Ag, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Se, Sb, Tl, V, Zn	TDS 103-103-2 N	REMARKS
1-17-08	1500	MNPL-MPL-MPL-026-01 08	WATER	148532	6	X	X	X	X	X	X	•	•	•			

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Kelly Vasek
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	YZ	(TIME) (DATE) 1610 1/17/08	(TIME) (DATE) 1720 1-17-08	(TIME) (DATE) 1-19-08 11:10
VIA: Lab Courier	CONFORMS TO RECORD	MM	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lancaster 40367394

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148533

8012106

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Fl, Cl, SO4, pH	cyan	TDT, cyan, ID Amen. cyanide	TDT, Ag, As, Ba, Cd, Ca, Cr, Cu, Pb, Sb, Se, Sn, Tl, V, Zn	NH3 TKN NO3-NO2-N	REMARKS
1-17-08	1106	MNPL-MPL-MPL-004-01 08	WATER	148533	6	X	X	X	X	X	X	•	•	•	•	• •	

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Kelly Vasek
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
Courier	GOOD CONDITION/COLD	Y	(TIME/DATE) 1610 1/17/08	(TIME/DATE) 1720 1-17-08	(TIME/DATE) 1-19-09 11:10
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lancaster 40367354

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions					REMARKS
1-17-08	1106	MNPL-MPL-MPL-0040108-ms/msd	WATER	148538	6	X	X	X	X	X	X					

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Koby Vasek
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Koby Vasek
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1610 1/17/08	(TIME/DATE) 1720 1-17-08	(TIME/DATE) 1-19-08 11:10
VIA: Lab Courier	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS Lonestar 400367354		

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8012810

992

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WTS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, Hg	TDS, Cond. pH	NH3, Fl, Cl, SO4	Alk, NO3-NO2-N	REMARKS
1-24-08	1048	MNPL-MPL-MPL-016-01 08	WATER	148999	6	X	X	X	X	X	X	•	•			

PROJECT INFORMATION	SAMPLES RECEIVED	6	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Quintana	(PRINTED NAME) Don Simmons
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TA
VIA: Lab Courier	GOOD CONDITION/COLD	4°C	(TIME/DATE) 1615 1/24/08	(TIME/DATE) 1720 1-24-08	(TIME/DATE) 11:22 1/26/08
	CONFORMS TO RECORD	88	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40767531 3°

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8012810

993

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions					REMARKS
1-24-08	1048	MNPL-MPL-MPL-0108 0108 ms/msd	WATER	148999	6	X	X	X	X	X	X					

PROJECT INFORMATION			
PROJECT MANAGER: William Little	SAMPLES RECEIVED	6	1. RELINQUISHED BY: (SIGNATURE) George Esqueda
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA
VIA: Lab Courier	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1615 1/24/08
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LSR 40367531 3°C

2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
(PRINTED NAME) James Chavez	(PRINTED NAME) Don Simmons
RECEIVED BY: (SIGNATURE)	(COMPANY) TA
(TIME/DATE) 1720 1-24-08	(TIME/DATE) 11:22 1/26/08

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149214

8013013

1011

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn Hg, TDS, cond, pH	NH3, Fl, SO4, Cl	Alk, NO3-NO2-N	REMARKS
1-28-08	1135	SGTP-6678-SMW-001-01 08	WATER	149214	6	X	X	X	X	X	X				

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME):	(PRINTED NAME): Susie Shelton
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: Lab Courier	GOOD CONDITION/ CHILLED	(TIME/ DATE): 16:00 1-28 08	(TIME/ DATE): 17:12 1-28-09	(TIME/ DATE): 9:00 1-30-08
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		4°C

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142299

8013110

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999

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Hg, pH, Cond,	NH3, Cl, Fl, SO4	Ag, As, Ba, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se Sn, Tl, V, Zn	PAK NH3-nnn-N	REMARKS
				9			•									
1-29-08	1043	MNPL-MPL-MPL-021-01 08	WATER	142299	6	X	X	X	X	X	X	•	•			

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda	Jon Ratcliff	Brenda Bonds Ward
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) JAMES RATCLIFF	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) Michael Ponce de Leon	(COMPANY) Trace Analysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 16:10 1-29-08	(TIME/DATE) 1728 1/29/08	(TIME/DATE) 1/31/08 11:10
VIA: Lab Courier	CONFORMS TO RECORD	BB	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions					REMARKS
						ANALYSIS REQUESTED										
1-29-08	1043	MNPL-MPL-MPL-021-0108-ms/msd	WATER	142299	6	X	X	X	X	X	X					

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) JAMES	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) Michael Pomedeen	(COMPANY) Trace Analysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 16:10 1-29-08	(TIME/DATE) 1726 1/29/08	(TIME/DATE) 1/31/08 11:10
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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8013111

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1001

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Hg, pH, cond.	NH_3, F, Cl, SO_4	Ag, As, Ba, Be, Cd, Co, Cr, Cu	Ni, Pb, Sb, Se, Sn, Tl, V, Zn	REMARKS
1-29-08	1537	MNPL-MPL-MPL-022-0108	WATER	149300	6	X	X	X	X	X	X	•	•	•		ANK TDS NO_3-N only

PROJECT INFORMATION			
PROJECT MANAGER: William Little	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE) George Esqueda
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA
	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1610 1-29-08
VIA: Lab Courier	CONFORMS TO RECORD	BF	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS

2. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME) JAMES Ratcliff
RECEIVED BY: (SIGNATURE) Michaela Ponce de Leon
(TIME/DATE) 1727 1/29/08

3. RECEIVED BY LAB: (SIGNATURE) Brenda Ward
(PRINTED NAME) Bw BRENDA WARD
(COMPANY) TraceAnalysis
(TIME/DATE) 1/31/08 11:20

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8020104

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1005

Cd, Cr, Cu, Ni, Zn

CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP PERCOLATION DITCHES

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Water Quality	T&A Cyanide	Nutrients	Total Metals	Free Cyanide	Total Ions	Hg, pH, Cond.	Cl, Fl, SO4	Ag, As, Ba, Be, Sb, Se, Sn, Tl, V, Zn		REMARKS
							•									
1-30-08	1401	MNPL-MPL-MPL-025-01 08	WATER	149364	6	X	X	X	X	X	X	•	•			TDS NO3-NO2-N NH3

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED:	(PRINTED NAME) George Esqueda	(PRINTED NAME) James Ralston	(PRINTED NAME) Vicki Henstey
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS:	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) Michael Ponce de Leon 1-30-08	(COMPANY) Trace Analysis
VIA: Lab Courier	CHAIN OF CUSTODY SEALS:	(TIME/DATE) 15:55 1-30-08	(TIME/DATE) 1703 1-30-08	(TIME/DATE) 10:00 2-1-08
	GOOD CONDITION/CHILLED: 4C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS L.S. 40361522 (6)		
	CONFORMS TO RECORD: NA			

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STP Percolation Ditches
Fiscal Year 2008 Sampling Program

Need coolers on 15th of previous month
Sampling scheduled for December and June
Task Order 15 [tbd]
29 Sample Sets + 3 MS/MSD + 1 Eqpt blank

Parameter	Reference Method	Method Type	Laboratory Detection Limits	Hold Time* * before/after extract	Container/ Preservative
Field Parameters					
pH	SM 4500-H^+ B	Probe	Not applicable	Immediate / Done in the field	Not applicable
Conductivity	SM 2510 B				
Turbidity	SM 2130 B				
Dissolved Oxygen	SM 4500-O G				
Temperature	SM 2550 B				
Oxidation Reduction Potential	SM 2580 B				
Organics – NONE					
Cyanide					
Total & Amenable	SW846 – 9010B	Distillation/colorimetric	0.02 mg/L	14 days	1 1-L. poly, NaOH, pH>12
Free Cyanide	ASTM D4282	Colorimetric	0.01 mg/L	14 days	1 250-mL poly NaOH, pH>12
Total Ions					
Chloride Fluoride Sulfate	EPA 300.0	Ion chromatography	5.0 mg/L 0.2 mg/L 1.0 mg/L	28 days	1-250 mL poly, no preservative
Nutrients					
Ammonia (NH_3+NH_4) Nitrate/Nitrite (NO_3+NO_2)	EPA 350.1 SM 4500	Colorimetric Cd Column	0.1 mg/L 0.1 mg/L	28 days	1 1-L poly H_2SO_4, pH<2
Water Quality					
pH Specific Conductance Residue, Dissolved (TDS) Bicarbonate & Carbonate (alkalinity)	EPA 150.1 EPA 120.1 EPA 160.1 EPA 310.1	Electrometric Conductivity Meter Gravimetric Titrimetric	N/A N/A 50.0 mg/L 1.2 mg/L	N/A 28 days 7 days 14 days	1 1-L. poly, no preservative
Total Metals					
Antimony Lead Arsenic Nickel Barium Selenium Beryllium Silver Cadmium Thallium Chromium Tin Cobalt Vanadium Copper Zinc	SW846 6010A	Inductively Coupled Plasma Emission Spectroscopy	Antimony 0.06 mg/L, Lead 0.003 mg/L Arsenic 0.005 mg/L, Nickel 0.01 mg/L Barium 0.005 mg/L, Selenium 0.05 mg/L Beryllium 0.0002 mg/L, Silver 0.01 mg/L Cadmium 0.0005 mg/L, Thallium 0.002 mg/L Chromium 0.001 mg/L, Tin 0.01 mg/L Cobalt 0.002 mg/L, Vanadium 0.005 mg/L Copper 0.02 mg/L, Zinc 1.0 mg/L	180 days	1 500-mL poly, HNO_3 pH<2
Mercury (total)	SW846 7470A	Atomic Absorption Cold Vapor	0.0002		

C:\Documents and Settings\wlittle\My Documents\Final STP Analytical List FY 2008.doc
Friday, October 19, 2007

Analytical and Quality Control Report

William Little
WTS
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Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Conductivity	E 120.1

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44243	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38113	Sample Preparation:	2007-12-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**358**	uMHOS/cm	1	0.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44243	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38113	Sample Preparation:	2007-12-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**901**	uMHOS/cm	1	0.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44243	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38113	Sample Preparation:	2007-12-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**563**	uMHOS/cm	1	0.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44424	Date Analyzed:	2007-12-31	Analyzed By:	JR
Prep Batch:	38262	Sample Preparation:	2007-12-31	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**691**	uMHOS/cm	1	0.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44424	Date Analyzed:	2007-12-31	Analyzed By:	JR
Prep Batch:	38262	Sample Preparation:	2007-12-31	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**452**	uMHOS/cm	1	0.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**757**	uMHOS/cm	1	0.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**793**	uMHOS/cm	1	0.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**701**	uMHOS/cm	1	0.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**549**	uMHOS/cm	1	0.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**697**		uMHOS/cm	1	0.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**416**		uMHOS/cm	1	0.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44653	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38451	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**320**		uMHOS/cm	1	0.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44653	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38451	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**400**		uMHOS/cm	1	0.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44653	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38451	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**310**		uMHOS/cm	1	0.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44654	Date Analyzed:	2008-01-14	Analyzed By:	MD
Prep Batch:	38452	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**318**		uMHOS/cm	1	0.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44654	Date Analyzed:	2008-01-14	Analyzed By:	MD
Prep Batch:	38452	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**317**		uMHOS/cm	1	0.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44653	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38451	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**530**		uMHOS/cm	1	0.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44653	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38451	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**390**		uMHOS/cm	1	0.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44842	Date Analyzed:	2008-01-16	Analyzed By:	MD
Prep Batch:	38619	Sample Preparation:	2008-01-16	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**463**		uMHOS/cm	1	0.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44842	Date Analyzed:	2008-01-16	Analyzed By:	MD
Prep Batch:	38619	Sample Preparation:	2008-01-16	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**675**		uMHOS/cm	1	0.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44842	Date Analyzed:	2008-01-16	Analyzed By:	MD
Prep Batch:	38619	Sample Preparation:	2008-01-16	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**674**		uMHOS/cm	1	0.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44880	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38648	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**330**		uMHOS/cm	1	0.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44880	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38648	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**1530**		uMHOS/cm	1	0.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	44880	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38648	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**815**		uMHOS/cm	1	0.00

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	45235	Date Analyzed:	2008-01-25	Analyzed By:	MD
Prep Batch:	38958	Sample Preparation:	2008-01-25	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**482**		uMHOS/cm	1	0.00

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	45236	Date Analyzed:	2008-01-29	Analyzed By:	MD
Prep Batch:	38959	Sample Preparation:	2008-01-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**336**		uMHOS/cm	1	0.00

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	45237	Date Analyzed:	2008-01-30	Analyzed By:	MD
Prep Batch:	38960	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**319**		uMHOS/cm	1	0.00

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	45237	Date Analyzed:	2008-01-30	Analyzed By:	MD
Prep Batch:	38960	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**218**		uMHOS/cm	1	0.00

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	45242	Date Analyzed:	2008-01-31	Analyzed By:	MD
Prep Batch:	38963	Sample Preparation:	2008-01-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**469**		uMHOS/cm	1	0.00

Method Blank (1) QC Batch: 44243

QC Batch:	44243	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38113	QC Preparation:	2007-12-21	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 44424

QC Batch:	44424	Date Analyzed:	2007-12-31	Analyzed By:	JR
Prep Batch:	38262	QC Preparation:	2007-12-31	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 44652

QC Batch:	44652	Date Analyzed:	2008-01-09	Analyzed By:	MD
Prep Batch:	38450	QC Preparation:	2008-01-09	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 44653

QC Batch:	44653	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38451	QC Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 44654

QC Batch:	44654	Date Analyzed:	2008-01-14	Analyzed By:	MD
Prep Batch:	38452	QC Preparation:	2008-01-14	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 44842

QC Batch:	44842	Date Analyzed:	2008-01-16	Analyzed By:	MD
Prep Batch:	38619	QC Preparation:	2008-01-16	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 44880

QC Batch:	44880	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38648	QC Preparation:	2008-01-18	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 45235

QC Batch:	45235	Date Analyzed:	2008-01-25	Analyzed By:	MD
Prep Batch:	38958	QC Preparation:	2008-01-25	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 45236

QC Batch:	45236	Date Analyzed:	2008-01-29	Analyzed By:	MD
Prep Batch:	38959	QC Preparation:	2008-01-29	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 45237

QC Batch:	45237	Date Analyzed:	2008-01-30	Analyzed By:	MD
Prep Batch:	38960	QC Preparation:	2008-01-30	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 45242

QC Batch: 45242 | Date Analyzed: 2008-01-31 | Analyzed By: MD
Prep Batch: 38963 | QC Preparation: 2008-01-31 | Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Duplicates (1)

QC Batch: 44243 | Date Analyzed: 2007-12-21 | Analyzed By: MD
Prep Batch: 38113 | QC Preparation: 2007-12-21 | Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	566	563	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 44424 | Date Analyzed: 2007-12-31 | Analyzed By: JR
Prep Batch: 38262 | QC Preparation: 2007-12-31 | Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	449	452	uMHOS/cm	1	1	6.7

Duplicates (1)

QC Batch: 44652 | Date Analyzed: 2008-01-09 | Analyzed By: MD
Prep Batch: 38450 | QC Preparation: 2008-01-09 | Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	790	793	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 44653 | Date Analyzed: 2008-01-11 | Analyzed By: MD
Prep Batch: 38451 | QC Preparation: 2008-01-11 | Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	330	320	uMHOS/cm	1	3	6.7

Duplicates (1)

QC Batch: 44654 Date Analyzed: 2008-01-14 Analyzed By: MD
Prep Batch: 38452 QC Preparation: 2008-01-14 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	319	318	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 44842 Date Analyzed: 2008-01-16 Analyzed By: MD
Prep Batch: 38619 QC Preparation: 2008-01-16 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	466	463	uMHOS/cm	1	1	6.7

Duplicates (1)

QC Batch: 44880 Date Analyzed: 2008-01-18 Analyzed By: MD
Prep Batch: 38648 QC Preparation: 2008-01-18 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	330	330	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 45235 Date Analyzed: 2008-01-25 Analyzed By: MD
Prep Batch: 38958 QC Preparation: 2008-01-25 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	491	482	uMHOS/cm	1	2	6.7

Duplicates (1)

QC Batch: 45236 Date Analyzed: 2008-01-29 Analyzed By: MD
Prep Batch: 38959 QC Preparation: 2008-01-29 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	341	336	uMHOS/cm	1	2	6.7

Duplicates (1)

QC Batch: 45237 Date Analyzed: 2008-01-30 Analyzed By: MD
Prep Batch: 38960 QC Preparation: 2008-01-30 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	319	319	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 45242 Date Analyzed: 2008-01-31 Analyzed By: MD
Prep Batch: 38963 QC Preparation: 2008-01-31 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	489	469	uMHOS/cm	1	4	6.7

Standard (ICV-1)

QC Batch: 44243 Date Analyzed: 2007-12-21 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2007-12-21

Standard (CCV-1)

QC Batch: 44243 Date Analyzed: 2007-12-21 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2007-12-21

Standard (ICV-1)

QC Batch: 44424 Date Analyzed: 2007-12-31 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2007-12-31

Standard (CCV-1)

QC Batch: 44424 Date Analyzed: 2007-12-31 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2007-12-31

Standard (ICV-1)

QC Batch: 44652 Date Analyzed: 2008-01-09 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44652 Date Analyzed: 2008-01-09 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44653 Date Analyzed: 2008-01-11 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44653 Date Analyzed: 2008-01-11 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44654 Date Analyzed: 2008-01-14 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-14

Standard (CCV-1)

QC Batch: 44654 Date Analyzed: 2008-01-14 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-14

Standard (ICV-1)

QC Batch: 44842 Date Analyzed: 2008-01-16 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-16

Standard (CCV-1)

QC Batch: 44842 Date Analyzed: 2008-01-16 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-16

Standard (ICV-1)

QC Batch: 44880 Date Analyzed: 2008-01-18 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44880 Date Analyzed: 2008-01-18 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 45235 Date Analyzed: 2008-01-25 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45235 Date Analyzed: 2008-01-25 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45236 Date Analyzed: 2008-01-29 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-29

Standard (CCV-1)

QC Batch: 45236 Date Analyzed: 2008-01-29 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-29

Standard (ICV-1)

QC Batch: 45237 Date Analyzed: 2008-01-30 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-30

Standard (CCV-1)

QC Batch: 45237 Date Analyzed: 2008-01-30 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	90 - 110	2008-01-30

Standard (ICV-1)

QC Batch: 45242 Date Analyzed: 2008-01-31 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45242 Date Analyzed: 2008-01-31 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	90 - 110	2008-01-31

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Free Cyanide	E 9213

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	Sample Preparation:	2007-12-31	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	Sample Preparation:	2007-12-31	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	Sample Preparation:	2007-12-31	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	Sample Preparation:	2007-12-31	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	Sample Preparation:	2007-12-31	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0170**	mg/L	1	0.0100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0210**	mg/L	1	0.0100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	Sample Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0100**	mg/L	1	0.0100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0140**	mg/L	1	0.0100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	Sample Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45377	Date Analyzed:	2008-02-04	Analyzed By:	BP
Prep Batch:	39073	Sample Preparation:	2008-02-04	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		**0.0280**		mg/L	1	0.0100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45377	Date Analyzed:	2008-02-04	Analyzed By:	BP
Prep Batch:	39073	Sample Preparation:	2008-02-04	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45377	Date Analyzed:	2008-02-04	Analyzed By:	BP
Prep Batch:	39073	Sample Preparation:	2008-02-04	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45377	Date Analyzed:	2008-02-04	Analyzed By:	BP
Prep Batch:	39073	Sample Preparation:	2008-02-04	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	45377	Date Analyzed:	2008-02-04	Analyzed By:	BP
Prep Batch:	39073	Sample Preparation:	2008-02-04	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Method Blank (1) QC Batch: 45374

QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	QC Preparation:	2007-12-31	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 45375

QC Batch:	45375	Date Analyzed:	2008-01-14	Analyzed By:	BP
Prep Batch:	39071	QC Preparation:	2008-01-14	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 45376

QC Batch:	45376	Date Analyzed:	2008-01-21	Analyzed By:	BP
Prep Batch:	39072	QC Preparation:	2008-01-21	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 45377

QC Batch:	45377	Date Analyzed:	2008-02-04	Analyzed By:	BP
Prep Batch:	39073	QC Preparation:	2008-02-04	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	45374	Date Analyzed:	2007-12-31	Analyzed By:	BP
Prep Batch:	39070	QC Preparation:	2007-12-31	Prepared By:	BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0420	mg/L	1	0.0500	<0.00500	84	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0480	mg/L	1	0.0500	<0.00500	96	80 - 120	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45375 Date Analyzed: 2008-01-14 Analyzed By: BP
Prep Batch: 39071 QC Preparation: 2008-01-14 Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0460	mg/L	1	0.0500	<0.00500	92	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0530	mg/L	1	0.0500	<0.00500	106	80 - 120	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45376 Date Analyzed: 2008-01-21 Analyzed By: BP
Prep Batch: 39072 QC Preparation: 2008-01-21 Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0460	mg/L	1	0.0500	<0.00500	92	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0550	mg/L	1	0.0500	<0.00500	110	80 - 120	18	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45377 Date Analyzed: 2008-02-04 Analyzed By: BP
Prep Batch: 39073 QC Preparation: 2008-02-04 Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0440	mg/L	1	0.0500	<0.00500	88	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0420	mg/L	1	0.0500	<0.00500	84	80 - 120	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146657

QC Batch: 45374 Date Analyzed: 2007-12-31 Analyzed By: BP
Prep Batch: 39070 QC Preparation: 2007-12-31 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0530	mg/L	1	0.0500	<0.00500	106	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0590	mg/L	1	0.0500	<0.00500	118	80 - 120	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147540

QC Batch: 45375 Date Analyzed: 2008-01-14 Analyzed By: BP
Prep Batch: 39071 QC Preparation: 2008-01-14 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0550	mg/L	1	0.0500	<0.00500	110	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0480	mg/L	1	0.0500	<0.00500	96	80 - 120	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148533

QC Batch: 45376 Date Analyzed: 2008-01-21 Analyzed By: BP
Prep Batch: 39072 QC Preparation: 2008-01-21 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0510	mg/L	1	0.0500	<0.00500	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0600	mg/L	1	0.0500	<0.00500	120	80 - 120	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45377 Date Analyzed: 2008-02-04 Analyzed By: BP
Prep Batch: 39073 QC Preparation: 2008-02-04 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0500	mg/L	1	0.0500	<0.00500	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0420	mg/L	1	0.0500	<0.00500	84	80 - 120	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 45374 Date Analyzed: 2007-12-31 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.0960	96	90 - 110	2007-12-31

Standard (CCV-1)

QC Batch: 45374 Date Analyzed: 2007-12-31 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.106	106	90 - 110	2007-12-31

Standard (ICV-1)

QC Batch: 45375 Date Analyzed: 2008-01-14 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.105	105	90 - 110	2008-01-14

Standard (CCV-1)

QC Batch: 45375 Date Analyzed: 2008-01-14 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.0980	98	90 - 110	2008-01-14

Standard (ICV-1)

QC Batch: 45376 Date Analyzed: 2008-01-21 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.107	107	90 - 110	2008-01-21

Standard (CCV-1)

QC Batch: 45376 Date Analyzed: 2008-01-21 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.101	101	90 - 110	2008-01-21

Standard (ICV-1)

QC Batch: 45377 Date Analyzed: 2008-02-04 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.108	108	90 - 110	2008-02-04

Standard (CCV-1)

QC Batch: 45377 Date Analyzed: 2008-02-04 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.104	104	90 - 110	2008-02-04

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Nitrate and Nitrite as N	E 353.3

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44097	Date Analyzed:	2007-12-21	Analyzed By:	JS
Prep Batch:	37995	Sample Preparation:	2007-12-21	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.29**	mg/L	10	0.100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<5.00	mg/L	50	0.100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.18**	mg/L	25	0.100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.63**	mg/L	25	0.100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**3.08**		mg/L	25	0.100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**4.67**		mg/L	25	0.100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**6.47**		mg/L	25	0.100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**6.12**		mg/L	25	0.100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**3.84**		mg/L	25	0.100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.65**	mg/L	25	0.100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	Sample Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.17**	mg/L	25	0.100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.67**	mg/L	10	0.100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.68**	mg/L	25	0.100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.16**	mg/L	10	0.100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<1.00	mg/L	10	0.100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.26**	mg/L	5	0.100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.54**	mg/L	25	0.100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.68**	mg/L	10	0.100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**5.92**	mg/L	25	0.100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**7.54**	mg/L	50	0.100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.55**	mg/L	10	0.100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**8.04**	mg/L	50	0.100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**8.61**	mg/L	50	0.100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.70**	mg/L	25	0.100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.34**	mg/L	10	0.100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**0.600**	mg/L	2	0.100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	Sample Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.87**	mg/L	25	0.100

Method Blank (1) QC Batch: 44097

QC Batch:	44097	Date Analyzed:	2007-12-21	Analyzed By:	JS
Prep Batch:	37995	QC Preparation:	2007-12-21	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0124	mg/L	0.1

Method Blank (1) QC Batch: 44795

QC Batch:	44795	Date Analyzed:	2008-01-17	Analyzed By:	MM
Prep Batch:	38573	QC Preparation:	2008-01-16	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0124	mg/L	0.1

Method Blank (1) QC Batch: 45042

QC Batch:	45042	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38790	QC Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0124	mg/L	0.1

Method Blank (1) QC Batch: 45727

QC Batch:	45727	Date Analyzed:	2008-02-08	Analyzed By:	MM
Prep Batch:	39367	QC Preparation:	2008-02-08	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0124	mg/L	0.1

Laboratory Control Spike (LCS-1)

QC Batch:	44097	Date Analyzed:	2007-12-21	Analyzed By:	JS
Prep Batch:	37995	QC Preparation:	2007-12-21	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.157	mg/L	1	0.160	<0.0124	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.156	mg/L	1	0.160	<0.0124	98	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44795 Date Analyzed: 2008-01-17 Analyzed By: MM
Prep Batch: 38573 QC Preparation: 2008-01-16 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.149	mg/L	1	0.160	<0.0124	93	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.141	mg/L	1	0.160	<0.0124	88	85 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45042 Date Analyzed: 2008-01-25 Analyzed By: MM
Prep Batch: 38790 QC Preparation: 2008-01-25 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.157	mg/L	1	0.160	<0.0124	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.139	mg/L	1	0.160	<0.0124	87	85 - 115	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45727 Date Analyzed: 2008-02-08 Analyzed By: MM
Prep Batch: 39367 QC Preparation: 2008-02-08 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.151	mg/L	1	0.160	<0.0124	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.179	mg/L	1	0.160	<0.0124	112	85 - 115	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 144693

QC Batch: 44097 Date Analyzed: 2007-12-21 Analyzed By: JS
Prep Batch: 37995 QC Preparation: 2007-12-21 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N [1]	1.34	mg/L	10	1.60	1.6	-16	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N [2]	1.39	mg/L	10	1.60	1.6	-13	80 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147479

QC Batch: 44795 Date Analyzed: 2008-01-17 Analyzed By: MM
Prep Batch: 38573 QC Preparation: 2008-01-16 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N [3]	3.51	mg/L	25	0.160	4.17	-412	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N [4]	3.53	mg/L	25	0.160	4.17	-400	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 45042 Date Analyzed: 2008-01-25 Analyzed By: MM
Prep Batch: 38790 QC Preparation: 2008-01-25 Prepared By: MM

[1] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[5]	5.90	mg/L	25	0.160	5.92	-12	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[6]	5.70	mg/L	25	0.160	5.92	-136	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149489

QC Batch: 45727 Date Analyzed: 2008-02-08 Analyzed By: MM
Prep Batch: 39367 QC Preparation: 2008-02-08 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	16.0	mg/L	50	8.00	13.5	31	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[7]	15.5	mg/L	50	8.00	13.5	25	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 44097 Date Analyzed: 2007-12-21 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.156	98	85 - 115	2007-12-21

Standard (CCV-1)

QC Batch: 44097 Date Analyzed: 2007-12-21 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.158	99	85 - 115	2007-12-21

Standard (ICV-1)

QC Batch: 44795 Date Analyzed: 2008-01-17 Analyzed By: MM

[5] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[6] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.154	96	85 - 115	2008-01-17

Standard (CCV-1)

QC Batch: 44795 Date Analyzed: 2008-01-17 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.175	109	85 - 115	2008-01-17

Standard (ICV-1)

QC Batch: 45042 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.152	95	85 - 115	2008-01-25

Standard (CCV-1)

QC Batch: 45042 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.173	108	85 - 115	2008-01-25

Standard (ICV-1)

QC Batch: 45727 Date Analyzed: 2008-02-08 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.164	102	85 - 115	2008-02-08

Standard (CCV-1)

QC Batch: 45727 Date Analyzed: 2008-02-08 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.157	98	85 - 115	2008-02-08

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 4, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
pH	E 150.1
pH	SM 4500-H+

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44080	Date Analyzed:	2007-12-18	Analyzed By:	JG
Prep Batch:	37980	Sample Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.27**		s.u.	1	0.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44084	Date Analyzed:	2007-12-20	Analyzed By:	JG
Prep Batch:	37985	Sample Preparation:	2007-12-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.58**		s.u.	1	0.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44084	Date Analyzed:	2007-12-20	Analyzed By:	JG
Prep Batch:	37985	Sample Preparation:	2007-12-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.68**		s.u.	1	0.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44359	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38211	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.80**		s.u.	1	0.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	44358	Date Analyzed:	2007-12-27	Analyzed By:	JR
Prep Batch:	38210	Sample Preparation:	2007-12-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.76**		s.u.	1	0.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44659	Date Analyzed:	2008-01-08	Analyzed By:	JG
Prep Batch:	38457	Sample Preparation:	2008-01-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.49**		s.u.	1	0.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44659	Date Analyzed:	2008-01-08	Analyzed By:	JG
Prep Batch:	38457	Sample Preparation:	2008-01-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44660	Date Analyzed:	2008-01-09	Analyzed By:	JG
Prep Batch:	38458	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.63**		s.u.	1	0.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44660	Date Analyzed:	2008-01-09	Analyzed By:	JG
Prep Batch:	38458	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.71**		s.u.	1	0.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44660	Date Analyzed:	2008-01-09	Analyzed By:	JG
Prep Batch:	38458	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.59**		s.u.	1	0.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44660	Date Analyzed:	2008-01-09	Analyzed By:	JG
Prep Batch:	38458	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.83**		s.u.	1	0.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44661	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38459	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.81**		s.u.	1	0.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44661	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38459	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.85**		s.u.	1	0.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44661	Date Analyzed:	2008-01-10	Analyzed By:	JG
Prep Batch:	38459	Sample Preparation:	2008-01-10	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.85**		s.u.	1	0.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44676	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38460	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.86**		s.u.	1	0.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44676	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38460	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.85**		s.u.	1	0.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44676	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38460	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.78**		s.u.	1	0.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44676	Date Analyzed:	2008-01-11	Analyzed By:	MD
Prep Batch:	38460	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.61**		s.u.	1	0.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44784	Date Analyzed:	2008-01-15	Analyzed By:	JG
Prep Batch:	38559	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.68**		s.u.	1	0.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44839	Date Analyzed:	2008-01-16	Analyzed By:	JG
Prep Batch:	38616	Sample Preparation:	2008-01-16	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.64**		s.u.	1	0.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44839	Date Analyzed:	2008-01-16	Analyzed By:	JG
Prep Batch:	38616	Sample Preparation:	2008-01-16	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.69**		s.u.	1	0.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44840	Date Analyzed:	2008-01-17	Analyzed By:	JG
Prep Batch:	38617	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.84**		s.u.	1	0.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44879	Date Analyzed:	2008-01-18	Analyzed By:	JG
Prep Batch:	38647	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.38**		s.u.	1	0.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	44879	Date Analyzed:	2008-01-18	Analyzed By:	JG
Prep Batch:	38647	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.53**		s.u.	1	0.00

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	45171	Date Analyzed:	2008-01-25	Analyzed By:	MD
Prep Batch:	38901	Sample Preparation:	2008-01-25	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	45172	Date Analyzed:	2008-01-29	Analyzed By:	MD
Prep Batch:	38902	Sample Preparation:	2008-01-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.11**		s.u.	1	0.00

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	45177	Date Analyzed:	2008-01-30	Analyzed By:	MD
Prep Batch:	38907	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.88**		s.u.	1	0.00

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	45177	Date Analyzed:	2008-01-30	Analyzed By:	MD
Prep Batch:	38907	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**8.49**		s.u.	1	0.00

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	45232	Date Analyzed:	2008-01-31	Analyzed By:	MD
Prep Batch:	38956	Sample Preparation:	2008-01-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.68**		s.u.	1	0.00

Duplicates (1)

QC Batch: 44080 Date Analyzed: 2007-12-18 Analyzed By: JG
Prep Batch: 37980 QC Preparation: 2007-12-18 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.92	8.95	s.u.	1	0	20

Duplicates (1)

QC Batch: 44084 Date Analyzed: 2007-12-20 Analyzed By: JG
Prep Batch: 37985 QC Preparation: 2007-12-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.76	7.58	s.u.	1	2	20

Duplicates (1)

QC Batch: 44358 Date Analyzed: 2007-12-27 Analyzed By: JR
Prep Batch: 38210 QC Preparation: 2007-12-27 Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.43	7.40	s.u.	1	0	20

Duplicates (1)

QC Batch: 44359 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38211 QC Preparation: 2007-12-28 Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.78	7.80	s.u.	1	0	20

Duplicates (1)

QC Batch: 44659 Date Analyzed: 2008-01-08 Analyzed By: JG
Prep Batch: 38457 QC Preparation: 2008-01-08 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.49	7.49	s.u.	1	0	20

Duplicates (1)

QC Batch: 44660 Date Analyzed: 2008-01-09 Analyzed By: JG
Prep Batch: 38458 QC Preparation: 2008-01-09 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.70	7.71	s.u.	1	0	20

Duplicates (1)

QC Batch: 44661 Date Analyzed: 2008-01-10 Analyzed By: JG
Prep Batch: 38459 QC Preparation: 2008-01-10 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.85	7.85	s.u.	1	0	20

Duplicates (1)

QC Batch: 44676 Date Analyzed: 2008-01-11 Analyzed By: MD
Prep Batch: 38460 QC Preparation: 2008-01-11 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.62	7.61	s.u.	1	0	20

Duplicates (1)

QC Batch: 44784 Date Analyzed: 2008-01-15 Analyzed By: JG
Prep Batch: 38559 QC Preparation: 2008-01-15 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.70	7.68	s.u.	1	0	20

Duplicates (1)

QC Batch: 44839 Date Analyzed: 2008-01-16 Analyzed By: JG
Prep Batch: 38616 QC Preparation: 2008-01-16 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.70	7.69	s.u.	1	0	20

Duplicates (1)

QC Batch: 44840 Date Analyzed: 2008-01-17 Analyzed By: JG
Prep Batch: 38617 QC Preparation: 2008-01-17 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.84	7.84	s.u.	1	0	20

Duplicates (1)

QC Batch: 44879 Date Analyzed: 2008-01-18 Analyzed By: JG
Prep Batch: 38647 QC Preparation: 2008-01-18 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.36	7.38	s.u.	1	0	20

Duplicates (1)

QC Batch: 45171 Date Analyzed: 2008-01-25 Analyzed By: MD
Prep Batch: 38901 QC Preparation: 2008-01-25 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.73	7.75	s.u.	1	0	20

Duplicates (1)

QC Batch: 45172 Date Analyzed: 2008-01-29 Analyzed By: MD
Prep Batch: 38902 QC Preparation: 2008-01-29 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.11	7.11	s.u.	1	0	20

Duplicates (1)

QC Batch: 45177 Date Analyzed: 2008-01-30 Analyzed By: MD
Prep Batch: 38907 QC Preparation: 2008-01-30 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.92	7.88	s.u.	1	0	20

Duplicates (1)

QC Batch: 45232 Date Analyzed: 2008-01-31 Analyzed By: MD
Prep Batch: 38956 QC Preparation: 2008-01-31 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.64	7.68	s.u.	1	0	20

Standard (ICV-1)

QC Batch: 44080 Date Analyzed: 2007-12-18 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2007-12-18

Standard (CCV-1)

QC Batch: 44080 Date Analyzed: 2007-12-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98 - 102	2007-12-18

Standard (ICV-1)

QC Batch: 44084 Date Analyzed: 2007-12-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98 - 102	2007-12-20

Standard (CCV-1)

QC Batch: 44084 Date Analyzed: 2007-12-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98 - 102	2007-12-20

Standard (ICV-1)

QC Batch: 44358 Date Analyzed: 2007-12-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-12-27

Standard (CCV-1)

QC Batch: 44358 Date Analyzed: 2007-12-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-12-27

Standard (ICV-1)

QC Batch: 44359 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98 - 102	2007-12-28

Standard (CCV-1)

QC Batch: 44359 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98 - 102	2007-12-28

Standard (ICV-1)

QC Batch: 44659 Date Analyzed: 2008-01-08 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98 - 102	2008-01-08

Standard (CCV-1)

QC Batch: 44659 Date Analyzed: 2008-01-08 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98 - 102	2008-01-08

Standard (ICV-1)

QC Batch: 44660 Date Analyzed: 2008-01-09 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2008-01-09

Standard (CCV-1)

QC Batch: 44660 Date Analyzed: 2008-01-09 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98 - 102	2008-01-09

Standard (ICV-1)

QC Batch: 44661 Date Analyzed: 2008-01-10 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98 - 102	2008-01-10

Standard (CCV-1)

QC Batch: 44661 Date Analyzed: 2008-01-10 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98 - 102	2008-01-10

Standard (ICV-1)

QC Batch: 44676 Date Analyzed: 2008-01-11 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98 - 102	2008-01-11

Standard (CCV-1)

QC Batch: 44676 Date Analyzed: 2008-01-11 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98 - 102	2008-01-11

Standard (ICV-1)

QC Batch: 44784 Date Analyzed: 2008-01-15 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98 - 102	2008-01-15

Standard (CCV-1)

QC Batch: 44784 Date Analyzed: 2008-01-15 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98 - 102	2008-01-15

Standard (ICV-1)

QC Batch: 44839 Date Analyzed: 2008-01-16 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98 - 102	2008-01-16

Standard (CCV-1)

QC Batch: 44839 Date Analyzed: 2008-01-16 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98 - 102	2008-01-16

Standard (ICV-1)

QC Batch: 44840 Date Analyzed: 2008-01-17 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98 - 102	2008-01-17

Standard (CCV-1)

QC Batch: 44840 Date Analyzed: 2008-01-17 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98 - 102	2008-01-17

Standard (ICV-1)

QC Batch: 44879 Date Analyzed: 2008-01-18 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2008-01-18

Standard (CCV-1)

QC Batch: 44879 Date Analyzed: 2008-01-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98 - 102	2008-01-18

Standard (ICV-1)

QC Batch: 45171 Date Analyzed: 2008-01-25 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98 - 102	2008-01-25

Standard (CCV-1)

QC Batch: 45171 Date Analyzed: 2008-01-25 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98 - 102	2008-01-25

Standard (ICV-1)

QC Batch: 45172 Date Analyzed: 2008-01-29 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98 - 102	2008-01-29

Standard (CCV-1)

QC Batch: 45172 Date Analyzed: 2008-01-29 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98 - 102	2008-01-29

Standard (ICV-1)

QC Batch: 45177 Date Analyzed: 2008-01-30 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2008-01-30

Standard (CCV-1)

QC Batch: 45177 Date Analyzed: 2008-01-30 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98 - 102	2008-01-30

Standard (ICV-1)

QC Batch: 45232 Date Analyzed: 2008-01-31 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98 - 102	2008-01-31

Standard (CCV-1)

QC Batch: 45232 Date Analyzed: 2008-01-31 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98 - 102	2008-01-31

work_orde	sample	field_code	matrix	received_d	received_ti	collect_dat	collect_tim	qctype	test	method	units	dilution	surrogate	param	cas	mdl_sign	mdl_result	mql_sign	mql_result	pql_sign	pql_result	rl_sign	rl_result	mdl	mql	pql	rl	spike_amo	recovery	rpd	prep_batch	qcbatch	analyzed_b	analysis_da	comment	project_na	project_number
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0002	<	0.002	<	0.002	<	0.002	0.0002	0.002	0.002	0.002	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38115	44245	JG	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38115	44245	JG	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		80		80		80		80	4	4	4	4	0			38115	44245	JG	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		80		80		80		80	2.38	4	4	4	0			38115	44245	JG	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0			38192	44335	MM	1/2/2008		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0			38003	44104	MM	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.005	<	0.005	<	0.005	<	0.005	0.005	0.005	0.005	0.005	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.077		0.077		0.077		0.077	0.002	0.01	0.01	0.01	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0003	<	0.0025	<	0.0025	<	0.0025	0.0003	0.0025	0.0025	0.0025	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		18		18		18		18	0.1711	2	2	2	0			38053	44165	JR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0006	<	0.005	<	0.005	<	0.005	0.0006	0.005	0.005	0.005	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		358		358		358		358					0			38113	44243	MD	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0014	<	0.01	<	0.01	<	0.01	0.0014	0.01	0.01	0.01	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0038	<	0.005	<	0.005	<	0.005	0.0038	0.005	0.005	0.005	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.41		0.41		0.41		0.41	0.0434	0.2	0.2	0.2	0			38053	44165	JR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0			39070	45374	BP	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			37974	44086	TP	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.102		0.102		0.102		0.102	0.000598	0.01	0.01	0.01	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Nitrate anc	E 353.3	mg/L	10	no	Nitrate and Nitrite as N			2.29		2.29		2.29		2.29	0.0124	0.1	0.1	0.1	0			37995	44097	JS	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.00167	<	0.005	<	0.005	<	0.005	0.001671	0.005	0.005	0.005	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		pH	E 150.1	s.u.	1	no	pH	N/A		7.27		7.27		7.27		7.27					0			37980	44080	JG	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0116	<	0.05	<	0.05	<	0.05	0.0116	0.05	0.05	0.05	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.00163	<	0.01	<	0.01	<	0.01	0.001634	0.01	0.01	0.01	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.00138	<	0.025	<	0.025	<	0.025	0.001381	0.025	0.025	0.025	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		48.8		48.8		48.8		48.8	0.1623	1	1	1	0			38053	44165	JR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A		184		184		184		184	5		5	5	0			38129	44265	MD	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.00379	<	0.01	<	0.01	<	0.01	0.00379	0.01	0.01	0.01	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0			38020	44121	MM	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.003	<	0.005	<	0.005	<	0.005	0.000426	0.005	0.005	0.005	0			37945	44133	RR	#########		STP Percola	15
7121917	145769	SGTP-6678	water	#########	11:35:00	#########	13:05:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.026		0.026		0.026		0.026	0.005455	0.005	0.005	0.005	0			37945	44133	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38115	44245	JG	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38115	44245	JG	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		118		118		118		118	4	4	4	4	0			38115	44245	JG	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		118		118		118		118	2.38	4	4	4	0			38115	44245	JG	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.354		0.354		0.354		0.354	0.000829	0.01	0.01	0.01	0			38511	44723	MM	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		3.16		3.16		3.16		3.16	0.56	1	1	1	0			38237	44394	MM	1/3/2008		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.055		0.055		0.055		0.055	0.0006	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Chloride (IC	E 300.0	mg/L	10	no	Chloride	16887-00-6		85.4		85.4		85.4		85.4	0.1711	2	2	2	0			38054	44166	JR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		901		901		901		901					0			38113	44243	MD	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.25		0.25		0.25		0.25	0.0434	0.2	0.2	0.2	0			38054	44166	JR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0			39070	45374	BP	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38103	46146	RR	3/3/2008		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Nitrate anc	E 353.3	mg/L	50	no	Nitrate and Nitrite as N			4.95	<	5	<	5	<	5	0.0124	0.1	0.1	0.1	0			38573	44795	MM	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		pH	E 150.1	s.u.	1	no	pH	N/A		7.58		7.58		7.58		7.58					0			37985	44084	JG	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		SO4 (IC)	E 300.0	mg/L	10	no	Sulfate	14808-79-8		141		141		141		141	0.1623	1	1	1	0			38054	44166	JR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A		566		566		566		566	5		5	5	0			38129	44265	MD	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.354		0.354		0.354		0.354	0.0103	0.015	0.015	0.015	0			38505	44721	MM	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122130	146151	MNPL-MPL	water	#########	17:40:00	#########	14:40:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.006		0.006		0.006		0.006	0.0021	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38115	44245	JG	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38115	44245	JG	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		88		88		88		88	4	4	4	4	0			38115	44245	JG	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		88		88		88		88	2.38	4	4	4	0			38115	44245	JG	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.241		0.241		0.241		0.241	0.000829	0.01	0.01	0.01	0			38511	44723	MM	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		1.62		1.62		1.62		1.62	0.56	1	1	1	0			38237	44394	MM	1/3/2008		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.071		0.071		0.071		0.071	0.0006	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		53.3		53.3		53.3		53.3	0.1711	2	2	2	0			38054	44166	JR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		563		563		563		563					0			38113	44243	MD	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.22		0.22		0.22		0.22	0.0434	0.2	0.2	0.2	0			38054	44166	JR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0			39070	45374	BP	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			38103	44233	TP	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.18		3.18		3.18		3.18	0.0124	0.1	0.1	0.1	0			38573	44795	MM	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		pH	E 150.1	s.u.	1	no	pH	N/A		7.68		7.68		7.68		7.68					0			37985	44084	JG	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		SO4 (IC)	E 300.0	mg/L	2	no	Sulfate	14808-79-8		75.5		75.5		75.5		75.5	0.1623	1	1	1	0			38054	44166	JR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A		350		350		350		350	5		5	5	0			38129	44265	MD	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.241		0.241		0.241		0.241	0.0103	0.015	0.015	0.015	0			38505	44721	MM	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.005		0.005		0.005		0.005	0.0005	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7122131	146152	MNPL-MPL	water	#########	17:46:00	#########	10:53:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.005		0.005		0.005		0.005	0.0021	0.005	0.005	0.005	0			38102	44242	RR	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38235	44392	JG	1/3/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38235	44392	JG	1/3/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		98		98		98		98	4	4	4	4	0			38235	44392	JG	1/3/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		98		98		98		98	2.38	4	4	4	0			38235	44392	JG	1/3/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.258		0.258		0.258		0.258	0.000829	0.01	0.01	0.01	0			38511	44723	MM	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		1.18		1.18		1.18		1.18	0.56	1	1	1	0			38237	44394	MM	1/3/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.115		0.115		0.115		0.115	0.0006	0.001	0.001	0.001	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		59.5		59.5		59.5		59.5	0.1711	2	2	2	0			38258	44420	JR	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		691		691		691		691					0			38262	44424	JR	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.008		0.008		0.008		0.008	0.0005	0.001	0.001	0.001	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.37		0.37		0.37		0.37	0.0434	0.2	0.2	0.2	0			38258	44420	JR	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0			39070	45374	BP	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			38163	44312	TP	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.63		3.63		3.63		3.63	0.0124	0.1	0.1	0.1	0			38573	44795	MM	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		pH	E 150.1	s.u.	1	no	pH	N/A		7.8		7.8		7.8		7.8					0			38211	44359	JR	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		106		106		106		106	0.1623	1	1	1	0			38258	44420	JR	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A		434		434		434		434	5		5	5	0			38430	44619	MD	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.258		0.258		0.258		0.258	0.0103	0.015	0.015	0.015	0			38505	44721	MM	#########		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.006		0.006		0.006		0.006	0.0005	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123104	146656	MNPL-MPL	water	#########	16:07:00	#########	12:00:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.006		0.006		0.006		0.006	0.0021	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38235	44392	JG	1/3/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0			38235	44392	JG	1/3/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		74		74		74		74	4	4	4	4	0			38235	44392	JG	1/3/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		74		74		74		74	2.38	4	4	4	0			38235	44392	JG	1/3/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.032		0.032		0.032		0.032	0.000829	0.01	0.01	0.01	0			38511	44723	MM	#########		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0			38237	44394	MM	1/3/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38182	44338	RR	1/2/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.066		0.066		0.066		0.066	0.0006	0.001	0.001	0.001	0			38182	44338	RR	1/2/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38182	44338	RR	1/2/2008		STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38182	44338	RR	1/2/2008		STP Percola	15

7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		37.6		37.6		37.6		37.6	0.1711	2	2	2	0	38258	44420	JR	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		452		452		452		452					0	38262	44424	JR	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.002		0.002		0.002		0.002	0.0005	0.001	0.001	0.001	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Fluoride (IC	E 300.0	mg/L	2	no	Fluoride	16984-48-8		4.09		4.09		4.09		4.09	0.0434	0.2	0.2	0.2	0	38258	44420	JR	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39070	45374	BP	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38163	44312	TP	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.08		3.08		3.08		3.08	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	pH	SM 4500-H	s.u.	1	no	pH	N/A		7.76		7.76		7.76		7.76					0	38210	44358	JR	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		51.1		51.1		51.1		51.1	0.1623	1	1	1	0	38258	44420	JR	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		284		284		284		284	5		5	5	0	38430	44619	MD	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.032		0.032		0.032		0.032	0.0103	0.015	0.015	0.015	0	38505	44721	MM	#########	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.006		0.006		0.006		0.006	0.0005	0.005	0.005	0.005	0	38182	44338	RR	1/2/2008	STP Percola	15
7123105	146657	MNPL-MPL	water	#########	17:18:00	#########	13:16:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.006		0.006		0.006		0.006	0.0021	0.005	0.005	0.005	0	38182	44338	RR	1/2/2008	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		146		146		146		146	4	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		146		146		146		146	2.38	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.257		0.257		0.257		0.257	0.000829	0.01	0.01	0.01	0	38511	44723	MM	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38814	45070	MM	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.053		0.053		0.053		0.053	0.0006	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.002		0.002		0.002		0.002	0.0011	0.002	0.002	0.002	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		49.4		49.4		49.4		49.4	0.1711	2	2	2	0	38600	44824	JR	1/9/2008	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		757		757		757		757					0	38450	44652	MD	1/9/2008	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.26		0.26		0.26		0.26	0.0434	0.2	0.2	0.2	0	38600	44824	JR	1/9/2008	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38406	44599	TP	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.003	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			4.67		4.67		4.67		4.67	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.49		7.49		7.49		7.49					0	38457	44659	JG	1/8/2008	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		124		124		124		124	0.1623	1	1	1	0	38600	44824	JR	1/9/2008	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		490		490		490		490	5		5	5	0	38473	44677	MD	1/9/2007	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.257		0.257		0.257		0.257	0.0103	0.015	0.015	0.015	0	38505	44721	MM	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.003	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010920	147267	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	10:48:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.006		0.006		0.006		0.006	0.0021	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		88		88		88		88	4	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		88		88		88		88	2.38	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.226		0.226		0.226		0.226	0.000829	0.01	0.01	0.01	0	38511	44723	MM	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38814	45070	MM	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.081		0.081		0.081		0.081	0.0006	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.004		0.004		0.004		0.004	0.0011	0.002	0.002	0.002	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		76.4		76.4		76.4		76.4	0.1711	2	2	2	0	38600	44824	JR	1/9/2008	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		793		793		793		793					0	38450	44652	MD	1/9/2008	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.3		0.3		0.3		0.3	0.0434	0.2	0.2	0.2	0	38600	44824	JR	1/9/2008	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.017		0.017		0.017		0.017	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38406	44599	TP	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			6.47		6.47		6.47		6.47	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.75		7.75		7.75		7.75					0	38457	44659	JG	1/8/2008	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		136		136		136		136	0.1623	1	1	1	0	38600	44824	JR	1/9/2008	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		472		472		472		472	5		5	5	0	38473	44677	MD	1/9/2007	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.246		0.246		0.246		0.246	0.0103	0.015	0.015	0.015	0	38505	44721	MM	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8010921	147268	MNPL-MPL	water	1/7/2008	17:13:00	1/7/2008	13:45:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.011		0.011		0.011		0.011	0.0021	0.005	0.005	0.005	0	38358	44549	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		104		104		104		104	4	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		104		104		104		104	2.38	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.392		0.392		0.392		0.392	0.000829	0.01	0.01	0.01	0	38511	44723	MM	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.047		0.047		0.047		0.047	0.0006	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		54		54		54		54	0.1711	2	2	2	0	38612	44835	JR	1/9/2008	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		701		701		701		701					0	38450	44652	MD	1/9/2008	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.26		0.26		0.26		0.26	0.0434	0.2	0.2	0.2	0	38612	44835	JR	1/9/2008	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.021		0.021		0.021		0.021	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38406	44599	TP	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			6.12		6.12		6.12		6.12	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.63		7.63		7.63		7.63					0	38458	44660	JG	1/9/2008	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		117		117		117		117	0.1623	1	1	1	0	38612	44835	JR	1/9/2008	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		458		458		458		458	5		5	5	0	38473	44677	MD	1/9/2007	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.413		0.413		0.413		0.413	0.0103	0.015	0.015	0.015	0	38505	44721	MM	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011026	147476	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.009		0.009		0.009		0.009	0.0021	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		78		78		78		78	4	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		78		78		78		78	2.38	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.149		0.149		0.149		0.149	0.000829	0.01	0.01	0.01	0	38511	44723	MM	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.124		0.124		0.124		0.124	0.0006	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		63.8		63.8		63.8		63.8	0.1711	2	2	2	0	38612	44835	JR	1/9/2008	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		549		549		549		549					0	38450	44652	MD	1/9/2008	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.39		0.39		0.39		0.39	0.0434	0.2	0.2	0.2	0	38612	44835	JR	1/9/2008	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38406	44599	TP	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.84		3.84		3.84		3.84	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.71		7.71		7.71		7.71					0	38458	44660	JG	1/9/2008	STP Percola	15

8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		54.4		54.4		54.4		54.4	0.1623	1	1	1	0	38612	44835	JR	1/9/2008	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		342		342		342		342	5		5	5	0	38473	44677	MD	1/9/2007	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.149		0.149		0.149		0.149	0.0103	0.015	0.015	0.015	0	38505	44721	MM	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.006		0.006		0.006		0.006	0.0005	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011027	147477	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	15:00:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.018		0.018		0.018		0.018	0.0021	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		106		106		106		106	4	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		106		106		106		106	2.38	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.396		0.396		0.396		0.396	0.000829	0.01	0.01	0.01	0	38511	44723	MM	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.048		0.048		0.048		0.048	0.0006	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		54.2		54.2		54.2		54.2	0.1711	2	2	2	0	38612	44835	JR	1/9/2008	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		697		697		697		697					0	38450	44652	MD	1/9/2008	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.26		0.26		0.26		0.26	0.0434	0.2	0.2	0.2	0	38612	44835	JR	1/9/2008	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38406	44599	TP	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			4.65		4.65		4.65		4.65	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.59		7.59		7.59		7.59					0	38458	44660	JG	1/9/2008	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		118		118		118		118	0.1623	1	1	1	0	38612	44835	JR	1/9/2008	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		422		422		422		422	5		5	5	0	38473	44677	MD	1/9/2007	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Total Cyani	SM 4500-C	mg/L	2	no	Total Cyani	57-12-5		0.396		0.396		0.396		0.396	0.0103	0.015	0.015	0.015	0	38505	44721	MM	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011028	147478	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	9:30:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.008		0.008		0.008		0.008	0.0021	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38469	44672	JG	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		80		80		80		80	4	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		80		80		80		80	2.38	4	4	4	0	38469	44672	JG	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.248		0.248		0.248		0.248	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.101		0.101		0.101		0.101	0.0006	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		32		32		32		32	0.1711	2	2	2	0	38600	44824	JR	1/9/2008	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		416		416		416		416					0	38450	44652	MD	1/9/2008	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.003		0.003		0.003		0.003	0.0005	0.001	0.001	0.001	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.33		0.33		0.33		0.33	0.0434	0.2	0.2	0.2	0	38600	44824	JR	1/9/2008	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38406	44599	TP	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			4.17		4.17		4.17		4.17	0.0124	0.1	0.1	0.1	0	38573	44795	MM	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.83		7.83		7.83		7.83					0	38458	44660	JG	1/9/2008	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	SO4 (IC)	E 300.0	mg/L	2	no	Sulfate	14808-79-8		42.4		42.4		42.4		42.4	0.1623	1	1	1	0	38600	44824	JR	1/9/2008	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		272		272		272		272	5		5	5	0	38473	44677	MD	1/9/2007	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.248		0.248		0.248		0.248	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.005		0.005		0.005		0.005	0.0005	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011029	147479	MNPL-MPL	water	1/8/2008	17:15:00	1/8/2008	13:22:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.009		0.009		0.009		0.009	0.0021	0.005	0.005	0.005	0	38395	44601	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		84		84		84		84	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		84		84		84		84	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.099		0.099		0.099		0.099	0.0006	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		15.4		15.4		15.4		15.4	0.1711	2	2	2	0	38613	44836	JR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		320		320		320		320					0	38451	44653	MD	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.4		0.4		0.4		0.4	0.0434	0.2	0.2	0.2	0	38613	44836	JR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Nitrate anc	E 353.3	mg/L	10	no	Nitrate and Nitrite as N			1.67		1.67		1.67		1.67	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.81		7.81		7.81		7.81					0	38459	44661	JG	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	SO4 (IC)	E 300.0	mg/L	2	no	Sulfate	14808-79-8		36.3		36.3		36.3		36.3	0.1623	1	1	1	0	38613	44836	JR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		222		222		222		222	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.006		0.006		0.006		0.006	0.0005	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011108	147538	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	13:00:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		70		70		70		70	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		70		70		70		70	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.099		0.099		0.099		0.099	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.091		0.091		0.091		0.091	0.0006	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		30		30		30		30	0.1711	2	2	2	0	38613	44836	JR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		400		400		400		400					0	38451	44653	MD	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.39		0.39		0.39		0.39	0.0434	0.2	0.2	0.2	0	38613	44836	JR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			2.68		2.68		2.68		2.68	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.85		7.85		7.85		7.85					0	38459	44661	JG	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		50.4		50.4		50.4		50.4	0.1623	1	1	1	0	38613	44836	JR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		266		266		266		266	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.099		0.099		0.099		0.099	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.005		0.005		0.005		0.005	0.0005	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011109	147539	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	9:52:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.003	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15

8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		90		90		90		90	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		90		90		90		90	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.132		0.132		0.132		0.132	0.0006	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		12		12		12		12	0.1711	2	2	2	0	38613	44836	JR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		310		310		310		310					0	38451	44653	MD	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.4		0.4		0.4		0.4	0.0434	0.2	0.2	0.2	0	38613	44836	JR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39071	45375	BP	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N			1.16		1.16		1.16		1.16	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.85		7.85		7.85		7.85					0	38459	44661	JG	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	SO4 (IC)	E 300.0	mg/L	2	no	Sulfate	14808-79-8		33.3		33.3		33.3		33.3	0.1623	1	1	1	0	38613	44836	JR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		226		226		226		226	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.008		0.008		0.008		0.008	0.0005	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011110	147540	MNPL-MPL	water	1/9/2008	17:25:00	1/9/2008	14:12:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0	38484	44698	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide .	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		78		78		78		78	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		78		78		78		78	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38721	44963	MM	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.018		0.018		0.018		0.018	0.0006	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.6		11.6		11.6		11.6	0.1711	2	2	2	0	38615	44838	JR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		318		318		318		318					0	38452	44654	MD	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.006		0.006		0.006		0.006	0.0005	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.42		0.42		0.42		0.42	0.0434	0.2	0.2	0.2	0	38615	44838	JR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.002	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N			0.89	<	1	<	1	<	1	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.86		7.86		7.86		7.86					0	38460	44676	MD	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		46.6		46.6		46.6		46.6	0.1623	1	1	1	0	38615	44838	JR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		272		272		272		272	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.008		0.008		0.008		0.008	0.0005	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011411	147799	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.007		0.007		0.007		0.007	0.0021	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide .	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		78		78		78		78	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		78		78		78		78	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38722	44964	MM	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.021		0.021		0.021		0.021	0.0006	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.5		11.5		11.5		11.5	0.1711	2	2	2	0	38615	44838	JR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		317		317		317		317					0	38452	44654	MD	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.009		0.009		0.009		0.009	0.0005	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.42		0.42		0.42		0.42	0.0434	0.2	0.2	0.2	0	38615	44838	JR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Nitrate and	E 353.3	mg/L	5	no	Nitrate and Nitrite as N			1.26		1.26		1.26		1.26	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.85		7.85		7.85		7.85					0	38460	44676	MD	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		46.4		46.4		46.4		46.4	0.1623	1	1	1	0	38615	44838	JR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		108		108		108		108	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.008		0.008		0.008		0.008	0.0005	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011412	147800	MNPL-MPL	water	#########	17:00:00	#########	13:25:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.013		0.013		0.013		0.013	0.0021	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide .	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		72		72		72		72	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		72		72		72		72	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.169		0.169		0.169		0.169	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38722	44964	MM	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.12		0.12		0.12		0.12	0.0006	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		40.1		40.1		40.1		40.1	0.1711	2	2	2	0	38614	44837	JR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		530		530		530		530					0	38451	44653	MD	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.003		0.003		0.003		0.003	0.0005	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.34		0.34		0.34		0.34	0.0434	0.2	0.2	0.2	0	38614	44837	JR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide			0.01		0.01		0.01		0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.54		3.54		3.54		3.54	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.78		7.78		7.78		7.78					0	38460	44676	MD	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		85		85		85		85	0.1623	1	1	1	0	38614	44837	JR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		342		342		342		342	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.182		0.182		0.182		0.182	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011413	147801	MNPL-MPL	water	#########	17:25:00	#########	13:01:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.006		0.006		0.006		0.006	0.0021	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide .	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38470	44673	JG	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		114		114		114		114	4	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		114		114		114		114	2.38	4	4	4	0	38470	44673	JG	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38722	44964	MM	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.137		0.137		0.137		0.137	0.0006	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		23		23		23		23	0.1711	2	2	2	0	38614	44837	JR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		390		390		390		390					0	38451	44653	MD	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.011		0.011		0.011		0.011	0.0005	0.001	0.001	0.001	0	38484	44699	RR	#########	STP Percola	15

8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.27		0.27		0.27		0.27	0.0434	0.2	0.2	0.2	0	38614	44837	JR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0	38536	44755	TP	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.024		0.024		0.024		0.024	0.0013	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N			1.68		1.68		1.68		1.68	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.61		7.61		7.61		7.61					0	38460	44676	MD	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	SO4 (IC)	E 300.0	mg/L	2	no	Sulfate	14808-79-8		33.1		33.1		33.1		33.1	0.1623	1	1	1	0	38614	44837	JR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		254		254		254		254	5		5	5	0	38787	45039	JG	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.008		0.008		0.008		0.008	0.0005	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011414	147802	MNPL-MPL	water	#########	17:25:00	#########	15:15:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.007		0.007		0.007		0.007	0.0021	0.005	0.005	0.005	0	38484	44699	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		72		72		72		72	4	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		72		72		72		72	2.38	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.155		0.155		0.155		0.155	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38722	44964	MM	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.102		0.102		0.102		0.102	0.0006	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		38.1		38.1		38.1		38.1	0.1711	2	2	2	0	38615	44838	JR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		463		463		463		463					0	38619	44842	MD	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.33		0.33		0.33		0.33	0.0434	0.2	0.2	0.2	0	38615	44838	JR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide			0.014		0.014		0.014		0.014	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38590	44825	TP	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			2.24	<	2.5	<	2.5	<	2.5	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.68		7.68		7.68		7.68					0	38559	44784	JG	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		63.4		63.4		63.4		63.4	0.1623	1	1	1	0	38615	44838	JR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		296		296		296		296	5		5	5	0	38788	45040	MD	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.174		0.174		0.174		0.174	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.005		0.005		0.005		0.005	0.0005	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011616	148165	MNPL-MPL	water	#########	17:10:00	#########	13:02:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.009		0.009		0.009		0.009	0.0021	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		74		74		74		74	4	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		74		74		74		74	2.38	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.342		0.342		0.342		0.342	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38722	44964	MM	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.07		0.07		0.07		0.07	0.0006	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		68.2		68.2		68.2		68.2	0.1711	2	2	2	0	38649	44881	JR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		675		675		675		675					0	38619	44842	MD	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.3		0.3		0.3		0.3	0.0434	0.2	0.2	0.2	0	38649	44881	JR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38590	44825	TP	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			5.92		5.92		5.92		5.92	0.0124	0.1	0.1	0.1	0	38790	45042	MM	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.64		7.64		7.64		7.64					0	38616	44839	JG	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		105		105		105		105	0.1623	1	1	1	0	38649	44881	JR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		424		424		424		424	5		5	5	0	38788	45040	MD	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.342		0.342		0.342		0.342	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011711	148265	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.007		0.007		0.007		0.007	0.0021	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		72		72		72		72	4	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		72		72		72		72	2.38	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.334		0.334		0.334		0.334	0.000829	0.01	0.01	0.01	0	38776	45026	MM	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38722	44964	MM	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.072		0.072		0.072		0.072	0.0006	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		68.2		68.2		68.2		68.2	0.1711	2	2	2	0	38649	44881	JR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		674		674		674		674					0	38619	44842	MD	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.3		0.3		0.3		0.3	0.0434	0.2	0.2	0.2	0	38649	44881	JR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38590	44825	TP	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Nitrate and	E 353.3	mg/L	50	no	Nitrate and Nitrite as N			7.54		7.54		7.54		7.54	0.0124	0.1	0.1	0.1	0	39367	45727	MM	2/8/2008	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.69		7.69		7.69		7.69					0	38616	44839	JG	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		105		105		105		105	0.1623	1	1	1	0	38649	44881	JR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		420		420		420		420	5		5	5	0	38788	45040	MD	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.334		0.334		0.334		0.334	0.0103	0.015	0.015	0.015	0	38775	45025	MM	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011712	148266	MNPL-MPL	water	#########	17:20:00	#########	13:55:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.007		0.007		0.007		0.007	0.0021	0.005	0.005	0.005	0	38588	44819	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		78		78		78		78	4	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		78		78		78		78	2.38	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38723	44965	MM	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.081		0.081		0.081		0.081	0.0006	0.001	0.001	0.001	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		13.4		13.4		13.4		13.4	0.1711	2	2	2	0	38649	44881	JR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		330		330		330		330					0	38648	44880	MD	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.004		0.004		0.004		0.004	0.0005	0.001	0.001	0.001	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.41		0.41		0.41		0.41	0.0434	0.2	0.2	0.2	0	38649	44881	JR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Free Cyani	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38738	44979	TP	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N			1.55		1.55		1.55		1.55	0.0124	0.1	0.1	0.1	0	39367	45727	MM	2/8/2008	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.84		7.84		7.84		7.84					0	38617	44840	JG	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		46.6		46.6		46.6		46.6	0.1623	1	1	1	0	38649	44881	JR	#########	STP Percola	15

8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		218		218		218		218	5		5	5	0	38789	45041	MD	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.008		0.008		0.008		0.008	0.0005	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8011822	148461	MNPL-MPL	water	#########	18:53:00	#########	10:55:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.005		0.005		0.005		0.005	0.0021	0.005	0.005	0.005	0	38637	44905	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		60		60		60		60	4	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		60		60		60		60	2.38	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38723	44965	MM	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.064		0.064		0.064		0.064	0.0006	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Chloride (IC	E 300.0	mg/L	10	no	Chloride	16887-00-6		193		193		193		193	0.1711	2	2	2	0	38651	44883	JR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		1530		1530		1530		1530					0	38648	44880	MD	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Cr, Total	S 6010B	mg/L	1	no	Total Chro	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.32		0.32		0.32		0.32	0.0434	0.2	0.2	0.2	0	38651	44883	JR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38738	44979	TP	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Nitrate anc	E 353.3	mg/L	50	no	Nitrate and Nitrite as N			8.04		8.04		8.04		8.04	0.0124	0.1	0.1	0.1	0	39367	45727	MM	2/8/2008	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.38		7.38		7.38		7.38					0	38647	44879	JG	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	SO4 (IC)	E 300.0	mg/L	10	no	Sulfate	14808-79-8		419		419		419		419	0.1623	1	1	1	0	38651	44883	JR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		1180		1180		1180		1180	5		5	5	0	38789	45041	MD	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.005		0.005		0.005		0.005	0.0005	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012105	148532	MNPL-MPL	water	#########	17:20:00	#########	15:00:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.005		0.005		0.005		0.005	0.0021	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	38688	44930	JG	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		124		124		124		124	4	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		124		124		124		124	2.38	4	4	4	0	38688	44930	JG	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.483		0.483		0.483		0.483	0.000829	0.01	0.01	0.01	0	38778	45028	MM	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	38814	45070	MM	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.076		0.076		0.076		0.076	0.0006	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		57.5		57.5		57.5		57.5	0.1711	2	2	2	0	38651	44883	JR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		815		815		815		815					0	38648	44880	MD	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Cr, Total	S 6010B	mg/L	1	no	Total Chro	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.23		0.23		0.23		0.23	0.0434	0.2	0.2	0.2	0	38651	44883	JR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39072	45376	BP	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38738	44979	TP	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Nitrate anc	E 353.3	mg/L	50	no	Nitrate and Nitrite as N			8.61		8.61		8.61		8.61	0.0124	0.1	0.1	0.1	0	39367	45727	MM	2/8/2008	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.53		7.53		7.53		7.53					0	38647	44879	JG	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	SO4 (IC)	E 300.0	mg/L	10	no	Sulfate	14808-79-8		144		144		144		144	0.1623	1	1	1	0	38651	44883	JR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		530		530		530		530	5		5	5	0	38789	45041	MD	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.483		0.483		0.483		0.483	0.0103	0.015	0.015	0.015	0	38777	45027	MM	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.004	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012106	148533	MNPL-MPL	water	#########	17:20:00	#########	11:06:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.005		0.005		0.005		0.005	0.0021	0.005	0.005	0.005	0	38732	45003	RR	#########	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	39323	45670	JG	2/6/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	39323	45670	JG	2/6/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		78		78		78		78	4	4	4	4	0	39323	45670	JG	2/6/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		78		78		78		78	2.38	4	4	4	0	39323	45670	JG	2/6/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.084		0.084		0.084		0.084	0.000829	0.01	0.01	0.01	0	38934	45204	MM	#########	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	39078	45366	MM	2/7/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.073		0.073		0.073		0.073	0.0006	0.001	0.001	0.001	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		30.6		30.6		30.6		30.6	0.172	0.5	0.5	0.5	0	39090	45380	ER	2/7/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		482		482		482		482					0	38958	45235	MD	#########	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Cr, Total	S 6010B	mg/L	1	no	Total Chro	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		1.95		1.95		1.95		1.95	0.119	0.2	0.2	0.2	0	39090	45380	ER	2/7/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.028		0.028		0.028		0.028	0.005	0.01	0.01	0.01	0	39073	45377	BP	2/4/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38967	45249	TP	2/4/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			4.7		4.7		4.7		4.7	0.0124	0.1	0.1	0.1	0	39367	45727	MM	2/8/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.75		7.75		7.75		7.75					0	38901	45171	MD	#########	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	SO4 (IC)	E 300.0	mg/L	1000	no	Sulfate	14808-79-8		7810		7810		7810		7810	0.777	1	1	1	0	39090	45380	ER	2/7/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		336		336		336		336	5		5	5	0	38966	45245	MD	#########	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.116		0.116		0.116		0.116	0.0103	0.015	0.015	0.015	0	38931	45202	MM	#########	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.006		0.006		0.006		0.006	0.0005	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8012810	148999	MNPL-MPL	water	#########	17:20:00	#########	10:48:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.004	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0	39348	46145	RR	3/3/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	39323	45670	JG	2/6/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	39323	45670	JG	2/6/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		76		76		76		76	4	4	4	4	0	39323	45670	JG	2/6/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		76		76		76		76	2.38	4	4	4	0	39323	45670	JG	2/6/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38934	45204	MM	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	39078	45366	MM	2/7/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.084		0.084		0.084		0.084	0.0006	0.001	0.001	0.001	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		18.1		18.1		18.1		18.1	0.172	0.5	0.5	0.5	0	39090	45380	ER	2/7/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		336		336		336		336					0	38959	45236	MD	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Cr, Total	S 6010B	mg/L	1	no	Total Chro	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		0.943	<	1	<	1	<	1	0.119	0.2	0.2	0.2	0	39090	45380	ER	2/7/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005	<	0.01	<	0.01	<	0.01	0.005	0.01	0.01	0.01	0	39073	45377	BP	2/4/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0	38967	45252	TP	2/4/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Nitrate anc	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			2.35	<	2.5	<	2.5	<	2.5	0.0124	0.1	0.1	0.1	0	39367	45727	MM	2/8/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	pH	E 150.1	s.u.	1	no	pH	N/A		7.11		7.11		7.11		7.11					0	38902	45172	MD	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		55.4		55.4		55.4		55.4	0.777	1	1	1	0	39090	45380	ER	2/7/2008	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		240		240		240		240	5		5	5	0	38966	45245	MD	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0	38931	45202	MM	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.06		0.06		0.06		0.06	0.0005	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013013	149214	SGTP-6678	water	#########	17:12:00	#########	11:35:00	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.012		0.012		0.012		0.012	0.0021	0.005	0.005	0.005	0	38883	45169	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0	38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	39323	45670	JG	2/6/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0	39323	45670	JG	2/6/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		84		84		84		84	4	4	4	4	0	39323	45670	JG	2/6/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		84		84		84		84	2.38	4	4	4	0	39323	45670	JG	2/6/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0	38934	45204	MM	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0	39078	45366	MM	2/7/2008	STP Percola	15

8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2 <	0.0026 <	0.005 <	0.005 <	0.005	0.0026	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	0.052	0.052	0.052	0.052	0.0006	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7 <	0.0011 <	0.002 <	0.002 <	0.002	0.0011	0.002	0.002	0.002	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9 <	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6	14.6	14.6	14.6	14.6	0.172	0.5	0.5	0.5	0			39090	45380	ER	2/7/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4 <	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	319	319	319	319					0			38960	45237	MD	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3 <	0.0005 <	0.001 <	0.001 <	0.001	0.0005	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8 <	0.0009 <	0.005 <	0.005 <	0.005	0.0009	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8	0.925 <	1 <	1 <	1	0.119	0.2	0.2	0.2	0			39090	45380	ER	2/7/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide	<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39073	45377	BP	2/4/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6 <	2.51E-05 <	0.0002 <	0.0002 <	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			39349	46143	RR	3/3/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0 <	0.0013 <	0.005 <	0.005 <	0.005	0.0013	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N		1.34	1.34	1.34	1.34	0.0124	0.1	0.1	0.1	0			39367	45727	MM	2/8/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1 <	0.0036 <	0.005 <	0.005 <	0.005	0.0036	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		pH	E 150.1	s.u.	1	no	pH	N/A	7.88	7.88	7.88	7.88					0			38907	45177	MD	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0 <	0.0047 <	0.006 <	0.006 <	0.006	0.0047	0.006	0.006	0.006	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2 <	0.0066 <	0.01 <	0.01 <	0.01	0.0066	0.01	0.01	0.01	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5 <	0.0032 <	0.025 <	0.025 <	0.025	0.0032	0.025	0.025	0.025	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8	45.2	45.2	45.2	45.2	0.777	1	1	1	0			39090	45380	ER	2/7/2008	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A	198	198	198	198	5		5	5	0			38971	45248	JG	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0 <	0.0021 <	0.0021 <	0.0021 <	0.0021	0.0021	0.0021	0.0021	0.0021	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5 <	0.0103 <	0.015 <	0.015 <	0.015	0.0103	0.015	0.015	0.015	0			38931	45202	MM	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	0.009	0.009	0.009	0.009	0.0005	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013110	149299	MNPL-MPL	water	#########	17:28:00	#########	10:43:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6 <	0.0021 <	0.005 <	0.005 <	0.005	0.0021	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4 <	0.0011 <	0.005 <	0.005 <	0.005	0.0011	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A <	1 <	1 <	1 <	1	1	1	1	1	0			39323	45670	JG	2/6/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A <	1 <	1 <	1 <	1	1	1	1	1	0			39323	45670	JG	2/6/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A	44	44	44	44	4	4	4	4	0			39323	45670	JG	2/6/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A	44	44	44	44	2.38	4	4	4	0			39323	45670	JG	2/6/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5 <	0.000829 <	0.01 <	0.01 <	0.01	0.000829	0.01	0.01	0.01	0			39050	45334	MM	2/6/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7 <	0.56 <	1 <	1 <	1	0.56	1	1	1	0			39078	45366	MM	2/7/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2 <	0.0026 <	0.005 <	0.005 <	0.005	0.0026	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	0.057	0.057	0.057	0.057	0.0006	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7 <	0.0011 <	0.002 <	0.002 <	0.002	0.0011	0.002	0.002	0.002	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9 <	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6	15.8	15.8	15.8	15.8	0.172	0.5	0.5	0.5	0			39090	45380	ER	2/7/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4 <	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	218	218	218	218					0			38960	45237	MD	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3 <	0.0005 <	0.001 <	0.001 <	0.001	0.0005	0.001	0.001	0.001	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8 <	0.0009 <	0.005 <	0.005 <	0.005	0.0009	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8	1	1	1	1	0.119	0.2	0.2	0.2	0			39090	45380	ER	2/7/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide	<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39073	45377	BP	2/4/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6 <	2.51E-05 <	0.0002 <	0.0002 <	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38967	45252	TP	2/4/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0 <	0.0013 <	0.005 <	0.005 <	0.005	0.0013	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Nitrate and	E 353.3	mg/L	2	no	Nitrate and Nitrite as N		0.6	0.6	0.6	0.6	0.0124	0.1	0.1	0.1	0			39367	45727	MM	2/8/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1 <	0.0036 <	0.005 <	0.005 <	0.005	0.0036	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		pH	E 150.1	s.u.	1	no	pH	N/A	8.49	8.49	8.49	8.49					0			38907	45177	MD	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0 <	0.0047 <	0.006 <	0.006 <	0.006	0.0047	0.006	0.006	0.006	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2 <	0.0066 <	0.01 <	0.01 <	0.01	0.0066	0.01	0.01	0.01	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5 <	0.0032 <	0.025 <	0.025 <	0.025	0.0032	0.025	0.025	0.025	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8	30.9	30.9	30.9	30.9	0.777	1	1	1	0			39090	45380	ER	2/7/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A	192	192	192	192	5		5	5	0			38971	45248	JG	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0 <	0.0021 <	0.0021 <	0.0021 <	0.0021	0.0021	0.0021	0.0021	0.0021	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5 <	0.0103 <	0.015 <	0.015 <	0.015	0.0103	0.015	0.015	0.015	0			39048	45332	MM	2/6/2008	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	0.012	0.012	0.012	0.012	0.0005	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8013111	149300	MNPL-MPL	water	#########	17:27:00	#########	15:37:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	0.003 <	0.005 <	0.005 <	0.005	0.0021	0.005	0.005	0.005	0			38928	45520	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4 <	0.0011 <	0.005 <	0.005 <	0.005	0.0011	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A <	1 <	1 <	1 <	1	1	1	1	1	0			39323	45670	JG	2/6/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A <	1 <	1 <	1 <	1	1	1	1	1	0			39323	45670	JG	2/6/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A	84	84	84	84	4	4	4	4	0			39323	45670	JG	2/6/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A	84	84	84	84	2.38	4	4	4	0			39323	45670	JG	2/6/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5 <	0.000829 <	0.01 <	0.01 <	0.01	0.000829	0.01	0.01	0.01	0			39050	45334	MM	2/6/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7 <	0.56 <	1 <	1 <	1	0.56	1	1	1	0			39416	45784	MM	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2 <	0.0026 <	0.005 <	0.005 <	0.005	0.0026	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	0.066	0.066	0.066	0.066	0.0006	0.001	0.001	0.001	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7 <	0.0011 <	0.002 <	0.002 <	0.002	0.0011	0.002	0.002	0.002	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9 <	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6	41.3	41.3	41.3	41.3	0.172	0.5	0.5	0.5	0			39094	45385	ER	2/7/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4 <	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	469	469	469	469					0			38963	45242	MD	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3 <	0.0005 <	0.001 <	0.001 <	0.001	0.0005	0.001	0.001	0.001	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	0.003 <	0.005 <	0.005 <	0.005	0.0009	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8 <	0.595 <	1 <	1 <	1	0.119	0.2	0.2	0.2	0			39094	45385	ER	2/7/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Free Cyanic	E 9213	mg/L	1	no	Free Cyanide	<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39073	45377	BP	2/4/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6 <	2.51E-05 <	0.0002 <	0.0002 <	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38967	45252	TP	2/4/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0 <	0.0013 <	0.005 <	0.005 <	0.005	0.0013	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N		3.87	3.87	3.87	3.87	0.0124	0.1	0.1	0.1	0			39367	45727	MM	2/8/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1 <	0.0036 <	0.005 <	0.005 <	0.005	0.0036	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		pH	E 150.1	s.u.	1	no	pH	N/A	7.68	7.68	7.68	7.68					0			38956	45232	MD	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0 <	0.0047 <	0.006 <	0.006 <	0.006	0.0047	0.006	0.006	0.006	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2 <	0.0066 <	0.01 <	0.01 <	0.01	0.0066	0.01	0.01	0.01	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5 <	0.0032 <	0.025 <	0.025 <	0.025	0.0032	0.025	0.025	0.025	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8	50.6	50.6	50.6	50.6	0.777	1	1	1	0			39094	45385	ER	2/7/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		TDS	E 160.1	mg/L	1	no	Total Disso	N/A	320	320	320	320	5		5	5	0			38971	45248	JG	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0 <	0.0021 <	0.0021 <	0.0021 <	0.0021	0.0021	0.0021	0.0021	0.0021	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5 <	0.0103 <	0.015 <	0.015 <	0.015	0.0103	0.015	0.015	0.015	0			39048	45332	MM	2/6/2008	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	0.005	0.005	0.005	0.005	0.0005	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
8020104	149364	MNPL-MPL	water	#########	17:03:00	#########	14:01:00		Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	0.026	0.026	0.026	0.026	0.0021	0.005	0.005	0.005	0			39027	45604	RR	#########	STP Percola	15
								Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A	8.92	8.92	8.92	8.92	0	0	0	0	0		0.3	37980	44080				
								Sample 14	pH	E 150.1	s.u.	1	no	pH	N/A	8.95	8.95	8.95	8.95	0	0	0	0	0	0	0	37980	44080				
								ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	7	7	7	7					7	100		37980	44080				
								CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.96	6.96	6.96	6.96					7	99.4286		37980	44080				
								Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A	7.76	7.76	7.76	7.76	0	0	0	0	0		2.3	37985	44084				
								Sample 14	pH	E 150.1	s.u.	1	no	pH	N/A	7.58	7.58	7.58	7.58	0	0	0	0	0	0	0	37985	44084				
								ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.99	6.99	6.99	6.99					7	99.8571		37985	44084				
								CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.95	6.95	6.95	6.95					7	99.2857		37985	44084				
								LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00098	0.00098	0.00098	0.00098	3.36E-05	0.0002	0.0002	0.0002	0.001	98		37974	44086				
								LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00096	0.00096	0.00096	0.00096	3.36E-05	0.0002	0.0002	0.0002	0.001	96	2.1	37974	44086				
								MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00099	0.00099	0.00099	0.00099	3.36E-05	0.0002	0.0002	0.0002	0.001	99		37974	44086				
								MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00097	0.00097	0.00097	0.00097	3.36E-05	0.0002	0.0002	0.0002	0.001	97	2	37974	44086				
								Method Bla	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6 <	3.36E-05 <	0.0002 <	0.0002 <	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			37974	44086				
								ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00096	0.00096	0.00096	0.00096	3.36E-05	0.0002	0.0002	0.0002	0.001	96		37974	44086				
								CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00094	0.00094	0.00094	0.00094	3.36E-05	0.0002	0.0002	0.0002	0.001	94		37974	44086				
								LCS (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		0.157	0.157	0.157	0.157	0.0124	0.1	0.1	0.1	0.16	98.125		37995	44097				
								LCSD (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		0.156	0.156	0.156	0.156	0.0124	0.1	0.1	0.1	0.16	97.5	0.6	37995	44097				
								MS (1)	Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N		1.34	1.34	1.34	1.34	0.0124	0.1	0.1	0.1	1.6	-16.25		37995	44097		Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under contro		
								MSD (1)	Nitrate and	E 353.3	mg/L	10	no	Nitrate and Nitrite as N		1.39	1.39	1.39	1.39	0.0124	0.1	0.1	0.1	1.6	-13.125	3.7	37995	44097		Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under contro		
								Method Bla	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N <		0.0124 <	0.1 <	0.1 <	0.1	0.0124	0.1	0.1	0.1	0			37995	44097				
								ICV (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		0.156	0.156	0.156	0.156	0.0124	0.1	0.1	0.1	0.16	97.5		37995	44097				
								CCV (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		0.158	0.158	0.158	0.158	0.0124	0.1	0.1	0.1	0.16	98.75		37995	44097				
								LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.54	4.54	4.54	4.54	0.56	1	1	1	5	90.8		38003	44104				
								LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.98	4.98	4.98	4.98	0.56	1	1	1	5	99.6	9.2	38003	44104				
								MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	5.71	5.71	5.71	5.71	0.56	1	1	1	5	114.2		38003	44104				
								MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.87	4.87	4.87	4.87	0.56	1	1	1	5	97.4	15.9	38003	44104				
								Method Bla	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7 <	0.56 <	1 <	1 <	1	0.56	1	1	1	0			38003	44104				
								ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.82	4.82	4.82	4.82	0.56	1	1	1	5	96.4		38003	44104				
								CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.87	4.87	4.87	4.87	0.56	1	1	1	5	97.4		38003	44104				
								LCS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	0.115	0.115	0.115	0.115	0.0103	0.015	0.015	0.015	0.12	95.8333		38020	44121				
								LCSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	0.118	0.118	0.118	0.118	0.0103	0.015	0.015	0.015	0.12	98.3333	2.6	38020	44121				
								MS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	0.121	0.121	0.121	0.121	0.0103	0.015	0.015	0.015	0.12	100.917		38020	44121				
								MSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	0.114	0.114	0.114	0.114	0.0103	0.015	0.015	0.015	0.12	95	6	38020	44121				
								Method Bla	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5 <	0.0103 <	0.015 <	0.015 <	0.015	0.0103	0.015	0.015	0.015	0			38020	44121				
								ICV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	0.123	0.123	0.123	0.123	0	0	0	0	0.12	102.5		38020	44121				
								CCV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	0.124	0.124	0.124	0.124	0	0	0	0	0.12	103.333		38020	44121				
								LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	0.125	0.125	0.125	0.125	0.0002	0.002	0.002	0.002	0.125	100		37945	44133				
								LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	0.122	0.122	0.122	0.122	0.0002	0.002	0.002	0.002	0.125	97.6	2.4	37945	44133				
								LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	0.484	0.484	0.484	0.484	0.005	0.005	0.005	0.01	0.5	96.8		37945	44133				
								LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	0.45	0.45	0.45	0.45	0.005	0.005	0.005	0.01	0.5	90	7.3	37945	44133				
								LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	1.01	1.01	1.01	1.01	0.002	0.01	0.01	0.01	1	101		37945	44133				
								LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	1	1	1	1	0.002	0.01	0.01	0.01	1	100	1	37945	44133				
								LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	0.0254	0.0254	0.0254	0.0254	0.0003	0.0025	0.0025	0.0025	0.025	101.6		37945	44133				
								LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	0.0245	0.0245	0.0245	0.0245	0.0003	0.0025	0.0025	0.0025	0.025	98	3.6	37945	44133				
								LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	0.253	0.253	0.253	0.253	0.0004	0.001	0.001	0.001	0.25	101.2		37945	44133				
								LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	0.247	0.247	0.247	0.247	0.0004	0.001	0.001	0.001	0.25	98.8	2.4	37945	44133				
								LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	0.252	0.252	0.252	0.252	0.0006	0.005	0.005	0.005	0.25	100.8		37945	44133				
								LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	0.246	0.246	0.246	0.246	0.0006	0.005	0.005	0.005	0.25	98.4	2.4	37945	44133				
								LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	0.099	0.099	0.099	0.099	0.0014	0.01	0.01	0.01	0.1	99		37945	44133				
								LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	0.096	0.096	0.096	0.096	0.0014	0.01	0.01	0.01	0.1	96	3.1	37945	44133				
								LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	0.124	0.124	0.124	0.124	0.0038	0.005	0.005	0.005	0.125	99.2		37945	44133				

LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0038	0.005	0.005	0.005	0.125	96.8	2.4	37945	44133
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.25		0.25		0.25	0.25	0.000598	0.01	0.01	0.01	0.25	100		37945	44133
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.241		0.241		0.241	0.241	0.000598	0.01	0.01	0.01	0.25	96.4	3.7	37945	44133
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.501		0.501		0.501	0.501	0.001671	0.005	0.005	0.005	0.5	100.2		37945	44133
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.484		0.484		0.484	0.484	0.001671	0.005	0.005	0.005	0.5	96.8	3.4	37945	44133
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.251		0.251		0.251	0.251	0.0116	0.05	0.05	0.05	0.25	100.4		37945	44133
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.248		0.248		0.248	0.248	0.0116	0.05	0.05	0.05	0.25	99.2	1.2	37945	44133
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.472		0.472		0.472	0.472	0.001634	0.01	0.01	0.01	0.5	94.4		37945	44133
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.474		0.474		0.474	0.474	0.001634	0.01	0.01	0.01	0.5	94.8	0.4	37945	44133
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.268		0.268		0.268	0.268	0.001381	0.025	0.025	0.025	0.3	89.3333		37945	44133
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.259		0.259		0.259	0.259	0.001381	0.025	0.025	0.025	0.3	86.3333	3.4	37945	44133
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.543		0.543		0.543	0.543	0.00379	0.01	0.01	0.01	0.5	108.6		37945	44133
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.539		0.539		0.539	0.539	0.00379	0.01	0.01	0.01	0.5	107.8	0.7	37945	44133
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.254		0.254		0.254	0.254	0.000426	0.005	0.005	0.005	0.25	101.6		37945	44133
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.245		0.245		0.245	0.245	0.000426	0.005	0.005	0.005	0.25	98	3.6	37945	44133
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.245		0.245		0.245	0.245	0.005455	0.005	0.005	0.005	0.25	98		37945	44133
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.237		0.237		0.237	0.237	0.005455	0.005	0.005	0.005	0.25	94.8	3.3	37945	44133
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.122		0.122		0.122	0.122	0.0002	0.002	0.002	0.002	0.125	97.6		37945	44133
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.122		0.122		0.122	0.122	0.0002	0.002	0.002	0.002	0.125	97.6	0	37945	44133
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.462		0.462		0.462	0.462	0.005	0.005	0.005	0.01	0.5	92.4		37945	44133
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.453		0.453		0.453	0.453	0.005	0.005	0.005	0.01	0.5	90.6	2	37945	44133
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.06		1.06		1.06	1.06	0.002	0.01	0.01	0.01	1	98.3		37945	44133
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.05		1.05		1.05	1.05	0.002	0.01	0.01	0.01	1	97.3	0.9	37945	44133
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0253		0.0253		0.0253	0.0253	0.0003	0.0025	0.0025	0.0025	0.025	101.2		37945	44133
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0249		0.0249		0.0249	0.0249	0.0003	0.0025	0.0025	0.0025	0.025	99.6	1.6	37945	44133
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.249		0.249		0.249	0.249	0.0004	0.001	0.001	0.001	0.25	99.6		37945	44133
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.246		0.246		0.246	0.246	0.0004	0.001	0.001	0.001	0.25	98.4	1.2	37945	44133
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.244		0.244		0.244	0.244	0.0006	0.005	0.005	0.005	0.25	97.6		37945	44133
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.24		0.24		0.24	0.24	0.0006	0.005	0.005	0.005	0.25	96	1.6	37945	44133
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.104		0.104		0.104	0.104	0.0014	0.01	0.01	0.01	0.1	104		37945	44133
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.102		0.102		0.102	0.102	0.0014	0.01	0.01	0.01	0.1	102	1.9	37945	44133
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.124		0.124		0.124	0.124	0.0038	0.005	0.005	0.005	0.125	99.2		37945	44133
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0038	0.005	0.005	0.005	0.125	96.8	2.4	37945	44133
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.331		0.331		0.331	0.331	0.000598	0.01	0.01	0.01	0.25	91.2		37945	44133
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.327		0.327		0.327	0.327	0.000598	0.01	0.01	0.01	0.25	90	1.2	37945	44133
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.468		0.468		0.468	0.468	0.001671	0.005	0.005	0.005	0.5	93.6		37945	44133
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.481		0.481		0.481	0.481	0.001671	0.005	0.005	0.005	0.5	96.2	2.7	37945	44133
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.27		0.27		0.27	0.27	0.0116	0.05	0.05	0.05	0.25	108		37945	44133
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.262		0.262		0.262	0.262	0.0116	0.05	0.05	0.05	0.25	104.8	3	37945	44133
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.471		0.471		0.471	0.471	0.001634	0.01	0.01	0.01	0.5	94.2		37945	44133
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.403		0.403		0.403	0.403	0.001634	0.01	0.01	0.01	0.5	80.6	15.6	37945	44133
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.286		0.286		0.286	0.286	0.001381	0.025	0.025	0.025	0.3	95.3333		37945	44133
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.293		0.293		0.293	0.293	0.001381	0.025	0.025	0.025	0.3	97.6667	2.4	37945	44133
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.539		0.539		0.539	0.539	0.00379	0.01	0.01	0.01	0.5	107.8		37945	44133
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.541		0.541		0.541	0.541	0.00379	0.01	0.01	0.01	0.5	108.2	0.4	37945	44133
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.255		0.255		0.255	0.255	0.000426	0.005	0.005	0.005	0.25	100.8		37945	44133
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.25		0.25		0.25	0.25	0.000426	0.005	0.005	0.005	0.25	98.8	2	37945	44133
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.268		0.268		0.268	0.268	0.005455	0.005	0.005	0.005	0.25	96.8		37945	44133
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.271		0.271		0.271	0.271	0.005455	0.005	0.005	0.005	0.25	98	1.1	37945	44133
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0002	<	0.002	<	0.002	0.002	0.0002	0.002	0.002	0.002	0			37945	44133
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.005	<	0.005	<	0.005	0.01	0.005	0.005	0.005	0.01	0			37945	44133
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.002	<	0.01	<	0.01	0.01	0.002	0.01	0.01	0.01	0			37945	44133
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0003	<	0.0025	<	0.0025	0.0025	0.0003	0.0025	0.0025	0.0025	0			37945	44133
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			37945	44133
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0006	<	0.005	<	0.005	0.005	0.0006	0.005	0.005	0.005	0			37945	44133
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0014	<	0.01	<	0.01	0.01	0.0014	0.01	0.01	0.01	0			37945	44133
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0038	<	0.005	<	0.005	0.005	0.0038	0.005	0.005	0.005	0			37945	44133
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.000598	<	0.01	<	0.01	0.01	0.000598	0.01	0.01	0.01	0			37945	44133
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.00167	<	0.005	<	0.005	0.005	0.001671	0.005	0.005	0.005	0			37945	44133
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0116	<	0.05	<	0.05	0.05	0.0116	0.05	0.05	0.05	0			37945	44133
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.00163	<	0.01	<	0.01	0.01	0.001634	0.01	0.01	0.01	0			37945	44133
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.00138	<	0.025	<	0.025	0.025	0.001381	0.025	0.025	0.025	0			37945	44133
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.00379	<	0.01	<	0.01	0.01	0.00379	0.01	0.01	0.01	0			37945	44133
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.000426	<	0.005	<	0.005	0.005	0.000426	0.005	0.005	0.005	0			37945	44133
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.00546	<	0.005	<	0.005	0.005	0.005455	0.005	0.005	0.005	0			37945	44133
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.126		0.126		0.126	0.126	0.0002	0.002	0.002	0.002	0.125	100.8		37945	44133
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.948		0.948		0.948	0.948	0.005	0.005	0.005	0.01	1	94.8		37945	44133
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1		1		1	1	0.002	0.01	0.01	0.01	1	100		37945	44133
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.01		1.01		1.01	1.01	0.0003	0.0025	0.0025	0.0025	1	101		37945	44133
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.02		1.02		1.02	1.02	0.0004	0.001	0.001	0.001	1	102		37945	44133
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.994		0.994		0.994	0.994	0.0006	0.005	0.005	0.005	1	99.4		37945	44133
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.01		1.01		1.01	1.01	0.0014	0.01	0.01	0.01	1	101		37945	44133
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.02		1.02		1.02	1.02	0.0038	0.005	0.005	0.005	1	102		37945	44133
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.02		1.02		1.02	1.02	0.000598	0.01	0.01	0.01	1	102		37945	44133
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.997		0.997		0.997	0.997	0.001671	0.005	0.005	0.005	1	99.7		37945	44133
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.08		1.08		1.08	1.08	0.0116	0.05	0.05	0.05	1	108		37945	44133
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.984		0.984		0.984	0.984	0.001634	0.01	0.01	0.01	1	98.4		37945	44133
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.995		0.995		0.995	0.995	0.001381	0.025	0.025	0.025	1	99.5		37945	44133
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.986		0.986		0.986	0.986	0.00379	0.01	0.01	0.01	1	98.6		37945	44133
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		1.01		1.01		1.01	1.01	0.000426	0.005	0.005	0.005	1	101		37945	44133
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.02		1.02		1.02	1.02	0.005455	0.005	0.005	0.005	1	102		37945	44133
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.124		0.124		0.124	0.124	0.0002	0.002	0.002	0.002	0.125	99.2		37945	44133
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.979		0.979		0.979	0.979	0.005	0.005	0.005	0.01	1	97.9		37945	44133
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.02		1.02		1.02	1.02	0.002	0.01	0.01	0.01	1	102		37945	44133
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.02		1.02		1.02	1.02	0.0003	0.0025	0.0025	0.0025	1	102		37945	44133
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1		1		1	1	0.0004	0.001	0.001	0.001	1	100		37945	44133
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.01		1.01		1.01	1.01	0.0006	0.005	0.005	0.005	1	101		37945	44133
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1		1		1	1	0.0014	0.01	0.01	0.01	1	100		37945	44133
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.991		0.991		0.991	0.991	0.0038	0.005	0.005	0.005	1	99.1		37945	44133
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1		1		1	1	0.000598	0.01	0.01	0.01	1	100		37945	44133
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.01		1.01		1.01	1.01	0.001671	0.005	0.005	0.005	1	101		37945	44133
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.07		1.07		1.07	1.07	0.0116	0.05	0.05	0.05	1	107		37945	44133
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.03		1.03		1.03	1.03	0.001634	0.01	0.01	0.01	1	103		37945	44133
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.02		1.02		1.02	1.02	0.001381	0.025	0.025	0.025	1	102		37945	44133
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.08		1.08		1.08	1.08	0.00379	0.01	0.01	0.01	1	108		37945	44133
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.998		0.998		0.998	0.998	0.000426	0.005	0.005	0.005	1	99.8		37945	44133
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.998		0.998		0.998	0.998	0.005455	0.005	0.005	0.005	1	99.8		37945	44133
LCS (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.9		11.9		11.9	11.9	0.1711	2	2	2	12.5	95.2		38053	44165
LCSD (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.9		11.9		11.9	11.9	0.1711	2	2	2	12.5	95.2	0	38053	44165
LCS (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.44		2.44		2.44	2.44	0.0434	0.2	0.2	0.2	2.5	97.6		38053	44165
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.44		2.44		2.44	2.44	0.0434	0.2	0.2	0.2	2.5	97.6	0	38053	44165
LCS (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.3		12.3		12.3	12.3	0.1623	1	1	1	12.5	98.4		38053	44165
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.3		12.3		12.3	12.3	0.1623	1	1	1	12.5	98.4	0	38053	44165
MS (1)	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		77.4		77.4		77.4	77.4	0.1711	2	2	2	62.5	95.04		38053	44165
MSD (1)	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		77.3		77.3		77.3	77.3	0.1711	2	2	2	62.5	94.88	0.1	38053	44165
MS (1)	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.5		12.5		12.5	12.5	0.0434	0.2	0.2	0.2	12.5	96.72		38053	44165
MSD (1)	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.5		12.5		12.5	12.5	0.0434	0.2	0.2	0.2	12.5	96.72	0	38053	44165
MS (1)	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		108		108		108	108	0.1623	1	1	1	62.5	94.88		38053	44165
MSD (1)	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		108		108		108	108	0.1623	1	1	1	62.5	94.88	0	38053	44165
Method Bl	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	<	0.171	<	2	<	2	2	0.1711	2	2	2	0			38053	44165
Method Bl	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.2	0.0434	0.2	0.2	0.2	0			38053	44165
Method Bl	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	<	0.162	<	1	<	1	1	0.1623	1	1	1	0			38053	44165
ICV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7		11.7		11.7	11.7	0	0	0	0	12.5	93.6		38053	44165
ICV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.39		2.39		2.39	2.39	0	0	0	0	2.5	95.6		38053	44165
ICV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.5		11.5		11.5	11.5	0	0	0	0	12.5	92		38053	44165
CCV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.9		11.9		11.9	11.9	0	0	0	0	12.5	95.2		38053	44165
CCV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.42		2.42		2.42	2.42	0	0	0	0	2.5	96.8		38053	44165
CCV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.7		11.7		11.7	11.7	0	0	0	0	12.5	93.6		38053	44165
LCS (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8		11.8		11.8	11.8	0.1711	2	2	2	12.5	94.4		38054	44166
LCSD (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8		11.8		11.8	11.8	0.1711	2	2	2	12.5	94.4	0	38054	44166
LCS (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.44		2.44		2.44	2.44	0.0434	0.2	0.2	0.2	2.5	97.6		38054	44166
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.44		2.44		2.44	2.44	0.0434	0.2	0.2	0.2	2.5	97.6	0	38054	44166
LCS (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2		12.2		12.2	12.2	0.1623	1	1	1	12.5	97.6		38054	44166
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2		12.2		12.2	12.2	0.1623	1	1	1	12.5	97.6	0	38054	44166
MS (1)	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		64.6		64.6		64.6	64.6	0.1711	2	2	2	62.5	94.192		38054	44166
MSD (1)	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		64.6		64.6		64.6	64.6	0.1711	2	2	2	62.5	94.192	0	38054	44166
MS (1)	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.4		12.4		12.4	12.4	0.0434	0.2	0.2	0.2	12.5	95.36		38054	44166
MSD (1)	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.4		12.4		12.4	12.4	0.0434	0.2	0.2	0.2	12.5	95.36	0	38054	44166
MS (1)	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		79.6		79.6		79.6	79.6	0.1623	1	1	1	62.5	94.88		38054	44166
MSD (1)	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		79.6		79.6		79.6	79.6	0.1623	1	1	1	62.5	94.88	0	38054	44166
Method Bl	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	<	0.171	<	2	<	2	2	0.1711	2	2	2	0			38054	44166
Method Bl	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.2	0.0434	0.2	0.2	0.2	0			38054	44166
Method Bl	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	<	0.162	<	1	<	1	1	0.1623	1	1	1	0			38054	44166
ICV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8		11.8		11.8	11.8	0	0	0	0	12.5	94.4		38054	44166
ICV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.4		2.4		2.4	2.4	0	0	0	0	2.5	96		38054	44166
ICV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6		11.6		11.6	11.6	0	0	0	0	12.5	92.8		38054	44166
CCV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.9		11.9		11.9	11.9	0	0	0	0	12.5	95.2		38054	44166
CCV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.42		2.42		2.42	2.42	0	0	0	0	2.5	96.8		38054	44166
CCV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.7		11.7		11.7	11.7	0	0	0	0	12.5	93.6		38054	44166
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00103		0.00103		0.00103	0.00103	3.36E-05	0.0002	0.0002	0.0002	0.001	103		38103	44233

LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00105		0.00105		0.00105	0.00105	3.36E-05	0.0002	0.0002	0.0002	0.001	105	1.9	38103	44233
Method Bl	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			38103	44233
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00099		0.00099		0.00099	0.00099	3.36E-05	0.0002	0.0002	0.0002	0.001	99		38103	44233
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00102		0.00102		0.00102	0.00102	3.36E-05	0.0002	0.0002	0.0002	0.001	102		38103	44233
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.122		0.122		0.122	0.122	0.0011	0.005	0.005	0.005	0.125	97.6		38102	44242
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.122		0.122		0.122	0.122	0.0011	0.005	0.005	0.005	0.125	97.6	0	38102	44242
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.491		0.491		0.491	0.491	0.0026	0.005	0.005	0.005	0.5	98.2		38102	44242
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.473		0.473		0.473	0.473	0.0026	0.005	0.005	0.005	0.5	94.6	3.7	38102	44242
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.984		0.984		0.984	0.984	0.0006	0.001	0.001	0.001	1	98.4		38102	44242
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.987		0.987		0.987	0.987	0.0006	0.001	0.001	0.001	1	98.7	0.3	38102	44242
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.025		0.025		0.025	0.025	0.0011	0.002	0.002	0.002	0.025	100		38102	44242
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0246		0.0246		0.0246	0.0246	0.0011	0.002	0.002	0.002	0.025	98.4	1.6	38102	44242
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.245		0.245		0.245	0.245	0.0004	0.001	0.001	0.001	0.25	98		38102	44242
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.246		0.246		0.246	0.246	0.0004	0.001	0.001	0.001	0.25	98.4	0.4	38102	44242
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.247		0.247		0.247	0.247	0.0004	0.001	0.001	0.001	0.25	98.8		38102	44242
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.248		0.248		0.248	0.248	0.0004	0.001	0.001	0.001	0.25	99.2	0.4	38102	44242
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.1		0.1		0.1	0.1	0.0005	0.001	0.001	0.001	0.1	100		38102	44242
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.0999		0.0999		0.0999	0.0999	0.0005	0.001	0.001	0.001	0.1	99.9	0.1	38102	44242
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8		38102	44242
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.119		0.119		0.119	0.119	0.0009	0.005	0.005	0.005	0.125	95.2	1.7	38102	44242
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.241		0.241		0.241	0.241	0.0013	0.005	0.005	0.005	0.25	96.4		38102	44242
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.245		0.245		0.245	0.245	0.0013	0.005	0.005	0.005	0.25	98	1.6	38102	44242
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.496		0.496		0.496	0.496	0.0036	0.005	0.005	0.005	0.5	99.2		38102	44242
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.5		0.5		0.5	0.5	0.0036	0.005	0.005	0.005	0.5	100	0.8	38102	44242
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.254		0.254		0.254	0.254	0.0047	0.006	0.006	0.006	0.25	101.6		38102	44242
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.246		0.246		0.246	0.246	0.0047	0.006	0.006	0.006	0.25	98.4	3.2	38102	44242
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.402		0.402		0.402	0.402	0.0066	0.01	0.01	0.01	0.5	80.4		38102	44242
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.414		0.414		0.414	0.414	0.0066	0.01	0.01	0.01	0.5	82.8	2.9	38102	44242
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.292		0.292		0.292	0.292	0.0032	0.025	0.025	0.025	0.3	97.3333		38102	44242
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.3		0.3		0.3	0.3	0.0032	0.025	0.025	0.025	0.3	100	2.7	38102	44242
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.526		0.526		0.526	0.526	0.0021	0.0021	0.0021	0.0021	0.5	105.2		38102	44242
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.515		0.515		0.515	0.515	0.0021	0.0021	0.0021	0.0021	0.5	103	2.1	38102	44242
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.248		0.248		0.248	0.248	0.0005	0.005	0.005	0.005	0.25	99.2		38102	44242
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.249		0.249		0.249	0.249	0.0005	0.005	0.005	0.005	0.25	99.6	0.4	38102	44242
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.242		0.242		0.242	0.242	0.0021	0.005	0.005	0.005	0.25	96.8		38102	44242
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.234		0.234		0.234	0.234	0.0021	0.005	0.005	0.005	0.25	93.6	3.4	38102	44242
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.123		0.123		0.123	0.123	0.0011	0.005	0.005	0.005	0.125	98.4		38102	44242
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.123		0.123		0.123	0.123	0.0011	0.005	0.005	0.005	0.125	98.4	0	38102	44242
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.485		0.485		0.485	0.485	0.0026	0.005	0.005	0.005	0.5	97		38102	44242
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.49		0.49		0.49	0.49	0.0026	0.005	0.005	0.005	0.5	98	1	38102	44242
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.04		1.04		1.04	1.04	0.0006	0.001	0.001	0.001	1	98.5		38102	44242
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.06		1.06		1.06	1.06	0.0006	0.001	0.001	0.001	1	100.5	1.9	38102	44242
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0258		0.0258		0.0258	0.0258	0.0011	0.002	0.002	0.002	0.025	103.2		38102	44242
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.026		0.026		0.026	0.026	0.0011	0.002	0.002	0.002	0.025	104	0.8	38102	44242
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.241		0.241		0.241	0.241	0.0004	0.001	0.001	0.001	0.25	96.4		38102	44242
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.243		0.243		0.243	0.243	0.0004	0.001	0.001	0.001	0.25	97.2	0.8	38102	44242
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.237		0.237		0.237	0.237	0.0004	0.001	0.001	0.001	0.25	94.8		38102	44242
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.24		0.24		0.24	0.24	0.0004	0.001	0.001	0.001	0.25	96	1.2	38102	44242
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.099		0.099		0.099	0.099	0.0005	0.001	0.001	0.001	0.1	99		38102	44242
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.101		0.101		0.101	0.101	0.0005	0.001	0.001	0.001	0.1	101	2	38102	44242
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8		38102	44242
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8	0	38102	44242
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.231		0.231		0.231	0.231	0.0013	0.005	0.005	0.005	0.25	92.4		38102	44242
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.235		0.235		0.235	0.235	0.0013	0.005	0.005	0.005	0.25	94	1.7	38102	44242
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.509		0.509		0.509	0.509	0.0036	0.005	0.005	0.005	0.5	101.8		38102	44242
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.517		0.517		0.517	0.517	0.0036	0.005	0.005	0.005	0.5	103.4	1.6	38102	44242
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.25		0.25		0.25	0.25	0.0047	0.006	0.006	0.006	0.25	100		38102	44242
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.262		0.262		0.262	0.262	0.0047	0.006	0.006	0.006	0.25	104.8	4.7	38102	44242
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.429		0.429		0.429	0.429	0.0066	0.01	0.01	0.01	0.5	85.8		38102	44242
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.424		0.424		0.424	0.424	0.0066	0.01	0.01	0.01	0.5	84.8	1.2	38102	44242
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.289		0.289		0.289	0.289	0.0032	0.025	0.025	0.025	0.3	96.3333		38102	44242
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.3		0.3		0.3	0.3	0.0032	0.025	0.025	0.025	0.3	100	3.7	38102	44242
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.484		0.484		0.484	0.484	0.0021	0.0021	0.0021	0.0021	0.5	96.8		38102	44242
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.508		0.508		0.508	0.508	0.0021	0.0021	0.0021	0.0021	0.5	101.6	4.8	38102	44242
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.248		0.248		0.248	0.248	0.0005	0.005	0.005	0.005	0.25	97.6		38102	44242
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.25		0.25		0.25	0.25	0.0005	0.005	0.005	0.005	0.25	98.4	0.8	38102	44242
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.237		0.237		0.237	0.237	0.0021	0.005	0.005	0.005	0.25	92.4		38102	44242
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.238		0.238		0.238	0.238	0.0021	0.005	0.005	0.005	0.25	92.8	0.4	38102	44242
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	0.005	0.0011	0.005	0.005	0.005	0			38102	44242
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	0.005	0.0026	0.005	0.005	0.005	0			38102	44242
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	0.001	0.0006	0.001	0.001	0.001	0			38102	44242
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	0.002	0.0011	0.002	0.002	0.002	0			38102	44242
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38102	44242
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38102	44242
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			38102	44242
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			38102	44242
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			38102	44242
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			38102	44242
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			38102	44242
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			38102	44242
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			38102	44242
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			38102	44242
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			38102	44242
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			38102	44242
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.125		0.125		0.125	0.125	0	0	0	0	0.125	100		38102	44242
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.976		0.976		0.976	0.976	0	0	0	0	1	97.6		38102	44242
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.974		0.974		0.974	0.974	0	0	0	0	1	97.4		38102	44242
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.985		0.985		0.985	0.985	0	0	0	0	1	98.5		38102	44242
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.95		0.95		0.95	0.95	0	0	0	0	1	95		38102	44242
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.993		0.993		0.993	0.993	0	0	0	0	1	99.3		38102	44242
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.957		0.957		0.957	0.957	0	0	0	0	1	95.7		38102	44242
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.964		0.964		0.964	0.964	0	0	0	0	1	96.4		38102	44242
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38102	44242
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.98		0.98		0.98	0.98	0	0	0	0	1	98		38102	44242
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.08		1.08		1.08	1.08	0	0	0	0	1	108		38102	44242
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.958		0.958		0.958	0.958	0	0	0	0	1	95.8		38102	44242
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.973		0.973		0.973	0.973	0	0	0	0	1	97.3		38102	44242
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38102	44242
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.943		0.943		0.943	0.943	0	0	0	0	1	94.3		38102	44242
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.945		0.945		0.945	0.945	0	0	0	0	1	94.5		38102	44242
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.125		0.125		0.125	0.125	0	0	0	0	0.125	100		38102	44242
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.99		0.99		0.99	0.99	0	0	0	0	1	99		38102	44242
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1		1		1	1	0	0	0	0	1	100		38102	44242
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.973		0.973		0.973	0.973	0	0	0	0	1	97.3		38102	44242
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.93		0.93		0.93	0.93	0	0	0	0	1	93		38102	44242
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.983		0.983		0.983	0.983	0	0	0	0	1	98.3		38102	44242
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.957		0.957		0.957	0.957	0	0	0	0	1	95.7		38102	44242
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.974		0.974		0.974	0.974	0	0	0	0	1	97.4		38102	44242
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.993		0.993		0.993	0.993	0	0	0	0	1	99.3		38102	44242
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.989		0.989		0.989	0.989	0	0	0	0	1	98.9		38102	44242
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.06		1.06		1.06	1.06	0	0	0	0	1	106		38102	44242
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.941		0.941		0.941	0.941	0	0	0	0	1	94.1		38102	44242
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.95		0.95		0.95	0.95	0	0	0	0	1	95		38102	44242
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.989		0.989		0.989	0.989	0	0	0	0	1	98.9		38102	44242
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.955		0.955		0.955	0.955	0	0	0	0	1	95.5		38102	44242
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.986		0.986		0.986	0.986	0	0	0	0	1	98.6		38102	44242
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		566		566		566	566	0	0	0	0	0		0.5	38113	44243
Sample 14(	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		563		563		563	563	0	0	0	0	0	0	0	38113	44243
Method Bl	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		0		0		0	0					0			38113	44243
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495		38113	44243
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495		38113	44243
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0		0	38115	44245
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0		0	38115	44245
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		80		80		80	80	4	4	4	4	0		0	38115	44245
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		80		80		80	80	2.38	4	4	4	0		0	38115	44245
Sample 14!	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	38115	44245
Sample 14!	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	38115	44245
Sample 14!	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		80		80		80	80	4	4	4	4	0	0	0	38115	44245
Sample 14!	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		80		80		80	80	2.38	4	4	4	0	0	0	38115	44245
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38115	44245
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38115	44245
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A	<	4	<	4	<	4	4	4	4	4	4	0			38115	44245
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A	<	2.38	<	4	<	4	4	2.38	4	4	4	0			38115	44245
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38115	44245
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		240		240		240	240	1	1	1	1	0			38115	44245
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		6		6		6	6	4	4	4	4	0			38115	44245
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		246		246		246	246	2.38	4	4	4	250	98.4		38115	44245
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38115	44245
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		232		232		232	232	1	1	1	1	0			38115	44245
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		8		8		8	8	4	4	4	4	0			38115	44245

CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		240		240		240		240	2.38	4	4	4	250	96		38115	44245
Duplicate (	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		248		248		248		248	5	0	5	5	0		1.6	38129	44265
Sample 14!	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		244		244		244		244	5	0	5	5	0	0	0	38129	44265
Method Bl	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	<	5		0	<	5	<	5	5		5	5	0			38129	44265
ICV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		997		997		997		997	5	0	5	5	1000	99.7		38129	44265
CCV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		990		990		990		990	5	0	5	5	1000	99		38129	44265
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00097		0.00097		0.00097		0.00097	3.36E-05	0.0002	0.0002	0.0002	0.001	97		38163	44312
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.001		0.001		0.001		0.001	3.36E-05	0.0002	0.0002	0.0002	0.001	100	3	38163	44312
MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00103		0.00103		0.00103		0.00103	3.36E-05	0.0002	0.0002	0.0002	0.001	103		38163	44312
MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.001		0.001		0.001		0.001	3.36E-05	0.0002	0.0002	0.0002	0.001	100	3	38163	44312
Method Bl	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			38163	44312
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00097		0.00097		0.00097		0.00097	3.36E-05	0.0002	0.0002	0.0002	0.001	97		38163	44312
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00099		0.00099		0.00099		0.00099	3.36E-05	0.0002	0.0002	0.0002	0.001	99		38163	44312
LCS (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.115		0.115		0.115		0.115	0.000829	0.01	0.01	0.01	0.12	95.8333		38192	44335
LCSD (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.118		0.118		0.118		0.118	0.000829	0.01	0.01	0.01	0.12	98.3333	2.6	38192	44335
Method Bl	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0			38192	44335
ICV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.123		0.123		0.123		0.123	0.000829	0.01	0.01	0.01	0.12	102.5		38192	44335
CCV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.124		0.124		0.124		0.124	0.000829	0.01	0.01	0.01	0.12	103.333		38192	44335
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.128		0.128		0.128		0.128	0.0011	0.005	0.005	0.005	0.125	102.4		38182	44338
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.127		0.127		0.127		0.127	0.0011	0.005	0.005	0.005	0.125	101.6	0.8	38182	44338
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.515		0.515		0.515		0.515	0.0026	0.005	0.005	0.005	0.5	103		38182	44338
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.49		0.49		0.49		0.49	0.0026	0.005	0.005	0.005	0.5	98	5	38182	44338
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.04		1.04		1.04		1.04	0.0006	0.001	0.001	0.001	1	104		38182	44338
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.03		1.03		1.03		1.03	0.0006	0.001	0.001	0.001	1	103	1	38182	44338
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0235		0.0235		0.0235		0.0235	0.0011	0.002	0.002	0.002	0.025	94		38182	44338
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.025		0.025		0.025		0.025	0.0011	0.002	0.002	0.002	0.025	100	6.2	38182	44338
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.262		0.262		0.262		0.262	0.0004	0.001	0.001	0.001	0.25	104.8		38182	44338
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.262		0.262		0.262		0.262	0.0004	0.001	0.001	0.001	0.25	104.8	0	38182	44338
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.269		0.269		0.269		0.269	0.0004	0.001	0.001	0.001	0.25	107.6		38182	44338
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.269		0.269		0.269		0.269	0.0004	0.001	0.001	0.001	0.25	107.6	0	38182	44338
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.106		0.106		0.106		0.106	0.0005	0.001	0.001	0.001	0.1	106		38182	44338
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.105		0.105		0.105		0.105	0.0005	0.001	0.001	0.001	0.1	105	0.9	38182	44338
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.128		0.128		0.128		0.128	0.0009	0.005	0.005	0.005	0.125	102.4		38182	44338
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.127		0.127		0.127		0.127	0.0009	0.005	0.005	0.005	0.125	101.6	0.8	38182	44338
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.265		0.265		0.265		0.265	0.0013	0.005	0.005	0.005	0.25	106		38182	44338
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.264		0.264		0.264		0.264	0.0013	0.005	0.005	0.005	0.25	105.6	0.4	38182	44338
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.517		0.517		0.517		0.517	0.0036	0.005	0.005	0.005	0.5	103.4		38182	44338
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.492		0.492		0.492		0.492	0.0036	0.005	0.005	0.005	0.5	98.4	5	38182	44338
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.256		0.256		0.256		0.256	0.0047	0.006	0.006	0.006	0.25	102.4		38182	44338
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.259		0.259		0.259		0.259	0.0047	0.006	0.006	0.006	0.25	103.6	1.2	38182	44338
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.436		0.436		0.436		0.436	0.0066	0.01	0.01	0.01	0.5	87.2		38182	44338
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.451		0.451		0.451		0.451	0.0066	0.01	0.01	0.01	0.5	90.2	3.4	38182	44338
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.313		0.313		0.313		0.313	0.0032	0.025	0.025	0.025	0.3	104.333		38182	44338
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.314		0.314		0.314		0.314	0.0032	0.025	0.025	0.025	0.3	104.667	0.3	38182	44338
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.568		0.568		0.568		0.568	0.0021	0.0021	0.0021	0.0021	0.5	113.6		38182	44338
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.559		0.559		0.559		0.559	0.0021	0.0021	0.0021	0.0021	0.5	111.8	1.6	38182	44338
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.245		0.245		0.245		0.245	0.0005	0.005	0.005	0.005	0.25	98		38182	44338
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.247		0.247		0.247		0.247	0.0005	0.005	0.005	0.005	0.25	98.8	0.8	38182	44338
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.251		0.251		0.251		0.251	0.0021	0.005	0.005	0.005	0.25	100.4		38182	44338
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.248		0.248		0.248		0.248	0.0021	0.005	0.005	0.005	0.25	99.2	1.2	38182	44338
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.124		0.124		0.124		0.124	0.0011	0.005	0.005	0.005	0.125	99.2		38182	44338
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.124		0.124		0.124		0.124	0.0011	0.005	0.005	0.005	0.125	99.2	0	38182	44338
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.513		0.513		0.513		0.513	0.0026	0.005	0.005	0.005	0.5	102.6		38182	44338
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.526		0.526		0.526		0.526	0.0026	0.005	0.005	0.005	0.5	105.2	2.5	38182	44338
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.05		1.05		1.05		1.05	0.0006	0.001	0.001	0.001	1	105		38182	44338
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.05		1.05		1.05		1.05	0.0006	0.001	0.001	0.001	1	105	0	38182	44338
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0244		0.0244		0.0244		0.0244	0.0011	0.002	0.002	0.002	0.025	97.6		38182	44338
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0245		0.0245		0.0245		0.0245	0.0011	0.002	0.002	0.002	0.025	98	0.4	38182	44338
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.256		0.256		0.256		0.256	0.0004	0.001	0.001	0.001	0.25	102.4		38182	44338
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.256		0.256		0.256		0.256	0.0004	0.001	0.001	0.001	0.25	102.4	0	38182	44338
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.253		0.253		0.253		0.253	0.0004	0.001	0.001	0.001	0.25	101.2		38182	44338
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.255		0.255		0.255		0.255	0.0004	0.001	0.001	0.001	0.25	102	0.8	38182	44338
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.102		0.102		0.102		0.102	0.0005	0.001	0.001	0.001	0.1	102		38182	44338
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.103		0.103		0.103		0.103	0.0005	0.001	0.001	0.001	0.1	103	1	38182	44338
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.123		0.123		0.123		0.123	0.0009	0.005	0.005	0.005	0.125	98.4		38182	44338
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.123		0.123		0.123		0.123	0.0009	0.005	0.005	0.005	0.125	98.4	0	38182	44338
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.251		0.251		0.251		0.251	0.0013	0.005	0.005	0.005	0.25	100.4		38182	44338
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.255		0.255		0.255		0.255	0.0013	0.005	0.005	0.005	0.25	102	1.6	38182	44338
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.5		0.5		0.5		0.5	0.0036	0.005	0.005	0.005	0.5	100		38182	44338
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.494		0.494		0.494		0.494	0.0036	0.005	0.005	0.005	0.5	98.8	1.2	38182	44338
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.254		0.254		0.254		0.254	0.0047	0.006	0.006	0.006	0.25	101.6		38182	44338
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.251		0.251		0.251		0.251	0.0047	0.006	0.006	0.006	0.25	100.4	1.2	38182	44338
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.453		0.453		0.453		0.453	0.0066	0.01	0.01	0.01	0.5	90.6		38182	44338
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.487		0.487		0.487		0.487	0.0066	0.01	0.01	0.01	0.5	97.4	7.2	38182	44338
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.308		0.308		0.308		0.308	0.0032	0.025	0.025	0.025	0.3	102.667		38182	44338
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.307		0.307		0.307		0.307	0.0032	0.025	0.025	0.025	0.3	102.333	0.3	38182	44338
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.528		0.528		0.528		0.528	0.0021	0.0021	0.0021	0.0021	0.5	105.6		38182	44338
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.544		0.544		0.544		0.544	0.0021	0.0021	0.0021	0.0021	0.5	108.8	3	38182	44338
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.259		0.259		0.259		0.259	0.0005	0.005	0.005	0.005	0.25	103.6		38182	44338
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.238		0.238		0.238		0.238	0.0005	0.005	0.005	0.005	0.25	95.2	8.4	38182	44338
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.25		0.25		0.25		0.25	0.0021	0.005	0.005	0.005	0.25	100		38182	44338
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.25		0.25		0.25		0.25	0.0021	0.005	0.005	0.005	0.25	100	0	38182	44338
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38182	44338
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38182	44338
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	<	0.001	0.0006	0.001	0.001	0.001	0			38182	44338
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38182	44338
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38182	44338
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38182	44338
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0			38182	44338
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38182	44338
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38182	44338
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38182	44338
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38182	44338
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38182	44338
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38182	44338
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38182	44338
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0			38182	44338
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0			38182	44338
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.129		0.129		0.129		0.129	0	0	0	0	0.125	103.2		38182	44338
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38182	44338
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38182	44338
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38182	44338
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38182	44338
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38182	44338
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38182	44338
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38182	44338
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.07		1.07		1.07		1.07	0	0	0	0	1	107		38182	44338
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38182	44338
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38182	44338
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38182	44338
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38182	44338
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38182	44338
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		1		1		1		1	0	0	0	0	1	100		38182	44338
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38182	44338
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12		0.12	0	0	0	0	0.125	96		38182	44338
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.971		0.971		0.971		0.971	0	0	0	0	1	97.1		38182	44338
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.966		0.966		0.966		0.966	0	0	0	0	1	96.6		38182	44338
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.974		0.974		0.974		0.974	0	0	0	0	1	97.4		38182	44338
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.956		0.956		0.956		0.956	0	0	0	0	1	95.6		38182	44338
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.969		0.969		0.969		0.969	0	0	0	0	1	96.9		38182	44338
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.954		0.954		0.954		0.954	0	0	0	0	1	95.4		38182	44338
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.957		0.957		0.957		0.957	0	0	0	0	1	95.7		38182	44338
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1		1		1		1	0	0	0	0	1	100		38182	44338
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.939		0.939		0.939		0.939	0	0	0	0	1	93.9		38182	44338
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38182	44338
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.981		0.981		0.981		0.981	0	0	0	0	1	98.1		38182	44338
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.955		0.955		0.955		0.955	0	0	0	0	1	95.5		38182	44338
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.977		0.977		0.977		0.977	0	0	0	0	1	97.7		38182	44338
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.947		0.947		0.947		0.947	0	0	0	0	1	94.7		38182	44338
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.936		0.936		0.936		0.936	0	0	0	0	1	93.6		38182	44338
Duplicate (	pH	SM 4500-H	s.u.	1	no	pH	N/A		7.43		7.43		7.43		7.43	0	0	0	0	0		0.4	38210	44358
Sample 14(	pH	SM 4500-H	s.u.	1	no	pH	N/A		7.4		7.4		7.4		7.4	0	0	0	0	0	0	0	38210	44358
ICV (1)	pH	SM 4500-H	s.u.	1	no	pH	N/A		7.02		7.02		7.02		7.02	0	0	0	0	7	100.286		38210	44358
CCV (1)	pH	SM 4500-H	s.u.	1	no	pH	N/A		7.01		7.01		7.01		7.01	0	0	0	0	7	100.143		38210	44358
Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A		7.78		7.78		7.78		7.78	0	0	0	0	0		0.2	38211	44359
Sample 14(	pH	E 150.1	s.u.	1	no	pH	N/A		7.8		7.8		7.8		7.8	0	0	0	0	0	0	0	38211	44359
ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A		7.03		7.03		7.03		7.03					7	100.429		38211	44359
CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A		7.02		7.02		7.02		7.02					7	100.286		38211	44359
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0		0	38235	44392
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	<	1	1	1	1	1	0		0	38235	44392

Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		74	74	74	74	4	4	4	4	0		0	38235	44392
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		74	74	74	74	2.38	4	4	4	0		0	38235	44392
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1 <	1 <	1 <	1	1	1	1	1	0	0	0	38235	44392
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1 <	1 <	1 <	1	1	1	1	1	0	0	0	38235	44392
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		74	74	74	74	4	4	4	4	0	0	0	38235	44392
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		74	74	74	74	2.38	4	4	4	0	0	0	38235	44392
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1 <	1 <	1 <	1	1	1	1	1	0			38235	44392
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1 <	1 <	1 <	1	1	1	1	1	0			38235	44392
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A	<	4 <	4 <	4 <	4	4	4	4	4	0			38235	44392
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A	<	2.38 <	4 <	4 <	4	2.38	4	4	4	0			38235	44392
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1 <	1 <	1 <	1	1	1	1	1	0			38235	44392
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		240	240	240	240	1	1	1	1	0			38235	44392
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		10	10	10	10	4	4	4	4	0			38235	44392
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		250	250	250	250	2.38	4	4	4	250	100		38235	44392
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1 <	1 <	1 <	1	1	1	1	1	0			38235	44392
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		240	240	240	240	1	1	1	1	0			38235	44392
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		10	10	10	10	4	4	4	4	0			38235	44392
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		250	250	250	250	2.38	4	4	4	250	100		38235	44392
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.26	4.26	4.26	4.26	0.56	1	1	1	5	85.2		38237	44394
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.51	4.51	4.51	4.51	0.56	1	1	1	5	90.2	5.7	38237	44394
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		3.86	3.86	3.86	3.86	0.56	1	1	1	5	77.2		38237	44394
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.98	4.98	4.98	4.98	0.56	1	1	1	5	99.6	25.3	38237	44394
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56 <	1 <	1 <	1	0.56	1	1	1	0			38237	44394
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.37	4.37	4.37	4.37	0.56	1	1	1	5	87.4		38237	44394
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.59	4.59	4.59	4.59	0.56	1	1	1	5	91.8		38237	44394
LCS (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8	11.8	11.8	11.8	0.1711	2	2	2	12.5	94.4		38258	44420
LCSD (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8	11.8	11.8	11.8	0.1711	2	2	2	12.5	94.4	0	38258	44420
LCS (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.43	2.43	2.43	2.43	0.0434	0.2	0.2	0.2	2.5	97.2		38258	44420
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.44	2.44	2.44	2.44	0.0434	0.2	0.2	0.2	2.5	97.6	0.4	38258	44420
LCS (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2	12.2	12.2	12.2	0.1623	1	1	1	12.5	97.6		38258	44420
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2	12.2	12.2	12.2	0.1623	1	1	1	12.5	97.6	0	38258	44420
MS (1)	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		96.2	96.2	96.2	96.2	0.1711	2	2	2	62.5	93.76		38258	44420
MSD (1)	Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6		96.1	96.1	96.1	96.1	0.1711	2	2	2	62.5	93.6	0.1	38258	44420
MS (1)	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.3	12.3	12.3	12.3	0.0434	0.2	0.2	0.2	12.5	94.48		38258	44420
MSD (1)	Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.2	12.2	12.2	12.2	0.0434	0.2	0.2	0.2	12.5	93.68	0.8	38258	44420
MS (1)	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		109	109	109	109	0.1623	1	1	1	62.5	92.64		38258	44420
MSD (1)	SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		109	109	109	109	0.1623	1	1	1	62.5	92.64	0	38258	44420
Method Bl	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	<	0.171 <	2 <	2 <	2	0.1711	2	2	2	0			38258	44420
Method Bl	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	<	0.0434 <	0.2 <	0.2 <	0.2	0.0434	0.2	0.2	0.2	0			38258	44420
Method Bl	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	<	0.162 <	1 <	1 <	1	0.1623	1	1	1	0			38258	44420
ICV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7	11.7	11.7	11.7	0	0	0	0	12.5	93.6		38258	44420
ICV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.38	2.38	2.38	2.38	0	0	0	0	2.5	95.2		38258	44420
ICV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.5	11.5	11.5	11.5	0	0	0	0	12.5	92		38258	44420
CCV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8	11.8	11.8	11.8	0	0	0	0	12.5	94.4		38258	44420
CCV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.4	2.4	2.4	2.4	0	0	0	0	2.5	96		38258	44420
CCV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6	11.6	11.6	11.6	0	0	0	0	12.5	92.8		38258	44420
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		449	449	449	449	0	0	0	0	0		0.7	38262	44424
Sample 14(	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		452	452	452	452	0	0	0	0	0	0	0	38262	44424
Method Bl	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		0	0	0	0					0			38262	44424
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		1420	1420	1420	1420					1413	100.495		38262	44424
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A		1420	1420	1420	1420					1413	100.495		38262	44424
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.116	0.116	0.116	0.116	0.0011	0.005	0.005	0.005	0.125	92.8		38358	44549
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.119	0.119	0.119	0.119	0.0011	0.005	0.005	0.005	0.125	95.2	2.6	38358	44549
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.481	0.481	0.481	0.481	0.0026	0.005	0.005	0.005	0.5	96.2		38358	44549
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.457	0.457	0.457	0.457	0.0026	0.005	0.005	0.005	0.5	91.4	5.1	38358	44549
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.924	0.924	0.924	0.924	0.0006	0.001	0.001	0.001	1	92.4		38358	44549
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.954	0.954	0.954	0.954	0.0006	0.001	0.001	0.001	1	95.4	3.2	38358	44549
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.023	0.023	0.023	0.023	0.0011	0.002	0.002	0.002	0.025	92		38358	44549
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024	0.024	0.024	0.024	0.0011	0.002	0.002	0.002	0.025	96	4.2	38358	44549
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.238	0.238	0.238	0.238	0.0004	0.001	0.001	0.001	0.25	95.2		38358	44549
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.237	0.237	0.237	0.237	0.0004	0.001	0.001	0.001	0.25	94.8	0.4	38358	44549
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.238	0.238	0.238	0.238	0.0004	0.001	0.001	0.001	0.25	95.2		38358	44549
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.239	0.239	0.239	0.239	0.0004	0.001	0.001	0.001	0.25	95.6	0.4	38358	44549
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.094	0.094	0.094	0.094	0.0005	0.001	0.001	0.001	0.1	94		38358	44549
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.096	0.096	0.096	0.096	0.0005	0.001	0.001	0.001	0.1	96	2.1	38358	44549
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.117	0.117	0.117	0.117	0.0009	0.005	0.005	0.005	0.125	93.6		38358	44549
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116	0.116	0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8	0.8	38358	44549
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.239	0.239	0.239	0.239	0.0013	0.005	0.005	0.005	0.25	95.6		38358	44549
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.234	0.234	0.234	0.234	0.0013	0.005	0.005	0.005	0.25	93.6	2.1	38358	44549
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.485	0.485	0.485	0.485	0.0036	0.005	0.005	0.005	0.5	97		38358	44549
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.488	0.488	0.488	0.488	0.0036	0.005	0.005	0.005	0.5	97.6	0.6	38358	44549
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.24	0.24	0.24	0.24	0.0047	0.006	0.006	0.006	0.25	96		38358	44549
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.24	0.24	0.24	0.24	0.0047	0.006	0.006	0.006	0.25	96	0	38358	44549
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.415	0.415	0.415	0.415	0.0066	0.01	0.01	0.01	0.5	83		38358	44549
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.412	0.412	0.412	0.412	0.0066	0.01	0.01	0.01	0.5	82.4	0.7	38358	44549
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.291	0.291	0.291	0.291	0.0032	0.025	0.025	0.025	0.3	97		38358	44549
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.293	0.293	0.293	0.293	0.0032	0.025	0.025	0.025	0.3	97.6667	0.7	38358	44549
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.5	0.5	0.5	0.5	0.0021	0.0021	0.0021	0.0021	0.5	100		38358	44549
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.502	0.502	0.502	0.502	0.0021	0.0021	0.0021	0.0021	0.5	100.4	0.4	38358	44549
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.241	0.241	0.241	0.241	0.0005	0.005	0.005	0.005	0.25	96.4		38358	44549
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.242	0.242	0.242	0.242	0.0005	0.005	0.005	0.005	0.25	96.8	0.4	38358	44549
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.231	0.231	0.231	0.231	0.0021	0.005	0.005	0.005	0.25	92.4		38358	44549
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.229	0.229	0.229	0.229	0.0021	0.005	0.005	0.005	0.25	91.6	0.9	38358	44549
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.118	0.118	0.118	0.118	0.0011	0.005	0.005	0.005	0.125	94.4		38358	44549
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.11	0.11	0.11	0.11	0.0011	0.005	0.005	0.005	0.125	88	7	38358	44549
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.471	0.471	0.471	0.471	0.0026	0.005	0.005	0.005	0.5	94.2		38358	44549
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.472	0.472	0.472	0.472	0.0026	0.005	0.005	0.005	0.5	94.4	0.2	38358	44549
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.821	0.821	0.821	0.821	0.0006	0.001	0.001	0.001	1	80.3		38358	44549
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.85	0.85	0.85	0.85	0.0006	0.001	0.001	0.001	1	83.2	3.5	38358	44549
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.023	0.023	0.023	0.023	0.0011	0.002	0.002	0.002	0.025	92		38358	44549
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024	0.024	0.024	0.024	0.0011	0.002	0.002	0.002	0.025	96	4.2	38358	44549
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.203	0.203	0.203	0.203	0.0004	0.001	0.001	0.001	0.25	81.2		38358	44549
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.212	0.212	0.212	0.212	0.0004	0.001	0.001	0.001	0.25	84.8	4.3	38358	44549
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.198	0.198	0.198	0.198	0.0004	0.001	0.001	0.001	0.25	79.2		38358	44549
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.206	0.206	0.206	0.206	0.0004	0.001	0.001	0.001	0.25	82.4	4	38358	44549
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.081	0.081	0.081	0.081	0.0005	0.001	0.001	0.001	0.1	81		38358	44549
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.081	0.081	0.081	0.081	0.0005	0.001	0.001	0.001	0.1	81	0	38358	44549
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.114	0.114	0.114	0.114	0.0009	0.005	0.005	0.005	0.125	91.2		38358	44549
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116	0.116	0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8	1.7	38358	44549
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.193	0.193	0.193	0.193	0.0013	0.005	0.005	0.005	0.25	77.2		38358	44549
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.197	0.197	0.197	0.197	0.0013	0.005	0.005	0.005	0.25	78.8	2	38358	44549
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.488	0.488	0.488	0.488	0.0036	0.005	0.005	0.005	0.5	97.6		38358	44549
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.493	0.493	0.493	0.493	0.0036	0.005	0.005	0.005	0.5	98.6	1	38358	44549
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.222	0.222	0.222	0.222	0.0047	0.006	0.006	0.006	0.25	88.8		38358	44549
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.225	0.225	0.225	0.225	0.0047	0.006	0.006	0.006	0.25	90	1.3	38358	44549
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.392	0.392	0.392	0.392	0.0066	0.01	0.01	0.01	0.5	78.4		38358	44549
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.416	0.416	0.416	0.416	0.0066	0.01	0.01	0.01	0.5	83.2	5.9	38358	44549
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.268	0.268	0.268	0.268	0.0032	0.025	0.025	0.025	0.3	89.3333		38358	44549
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.262	0.262	0.262	0.262	0.0032	0.025	0.025	0.025	0.3	87.3333	2.3	38358	44549
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.431	0.431	0.431	0.431	0.0021	0.0021	0.0021	0.0021	0.5	86.2		38358	44549
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.428	0.428	0.428	0.428	0.0021	0.0021	0.0021	0.0021	0.5	85.6	0.7	38358	44549
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.227	0.227	0.227	0.227	0.0005	0.005	0.005	0.005	0.25	90.8		38358	44549
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.25	0.25	0.25	0.25	0.0005	0.005	0.005	0.005	0.25	100	9.6	38358	44549
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.244	0.244	0.244	0.244	0.0021	0.005	0.005	0.005	0.25	97.6		38358	44549
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.25	0.25	0.25	0.25	0.0021	0.005	0.005	0.005	0.25	100	2.4	38358	44549
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011 <	0.005 <	0.005 <	0.005	0.0011	0.005	0.005	0.005	0			38358	44549
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026 <	0.005 <	0.005 <	0.005	0.0026	0.005	0.005	0.005	0			38358	44549
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006 <	0.001 <	0.001 <	0.001	0.0006	0.001	0.001	0.001	0			38358	44549
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011 <	0.002 <	0.002 <	0.002	0.0011	0.002	0.002	0.002	0			38358	44549
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38358	44549
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38358	44549
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005 <	0.001 <	0.001 <	0.001	0.0005	0.001	0.001	0.001	0			38358	44549
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009 <	0.005 <	0.005 <	0.005	0.0009	0.005	0.005	0.005	0			38358	44549
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013 <	0.005 <	0.005 <	0.005	0.0013	0.005	0.005	0.005	0			38358	44549
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036 <	0.005 <	0.005 <	0.005	0.0036	0.005	0.005	0.005	0			38358	44549
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047 <	0.006 <	0.006 <	0.006	0.0047	0.006	0.006	0.006	0			38358	44549
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066 <	0.01 <	0.01 <	0.01	0.0066	0.01	0.01	0.01	0			38358	44549
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032 <	0.025 <	0.025 <	0.025	0.0032	0.025	0.025	0.025	0			38358	44549
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021 <	0.0021 <	0.0021 <	0.0021	0.0021	0.0021	0.0021	0.0021	0			38358	44549
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005 <	0.005 <	0.005 <	0.005	0.0005	0.005	0.005	0.005	0			38358	44549
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021 <	0.005 <	0.005 <	0.005	0.0021	0.005	0.005	0.005	0			38358	44549
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.126	0.126	0.126	0.126	0	0	0	0	0.125	100.8		38358	44549
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.05	1.05	1.05	1.05	0	0	0	0	1	105		38358	44549
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1	1	1	1	0	0	0	0	1	100		38358	44549
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.03	1.03	1.03	1.03	0	0	0	0	1	103		38358	44549
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.01	1.01	1.01	1.01	0	0	0	0	1	101		38358	44549
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.05	1.05	1.05	1.05	0	0	0	0	1	105		38358	44549
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1	1	1	1	0	0	0	0	1	100		38358	44549
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1	1	1	1	0	0	0	0	1	100		38358	44549
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.07	1.07	1.07	1.07	0	0	0	0	1	107		38358	44549

ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.09		1.09		1.09		1.09	0	0	0	0	1	109		38358	44549
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1		1		1		1	0	0	0	0	1	100		38358	44549
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38358	44549
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38358	44549
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.996		0.996		0.996		0.996	0	0	0	0	1	99.6		38358	44549
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.998		0.998		0.998		0.998	0	0	0	0	1	99.8		38358	44549
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.129		0.129		0.129		0.129	0	0	0	0	0.125	103.2		38358	44549
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38358	44549
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38358	44549
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38358	44549
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38358	44549
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38358	44549
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38358	44549
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38358	44549
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38358	44549
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.09		1.09		1.09		1.09	0	0	0	0	1	109		38358	44549
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00103		0.00103		0.00103		0.00103	3.36E-05	0.0002	0.0002	0.0002	0.001	103		38406	44599
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00102		0.00102		0.00102		0.00102	3.36E-05	0.0002	0.0002	0.0002	0.001	102	1	38406	44599
MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00096		0.00096		0.00096		0.00096	3.36E-05	0.0002	0.0002	0.0002	0.001	96		38406	44599
MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00098		0.00098		0.00098		0.00098	3.36E-05	0.0002	0.0002	0.0002	0.001	98	2.1	38406	44599
Method Bla	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			38406	44599
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00099		0.00099		0.00099		0.00099	3.36E-05	0.0002	0.0002	0.0002	0.001	99		38406	44599
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00101		0.00101		0.00101		0.00101	3.36E-05	0.0002	0.0002	0.0002	0.001	101		38406	44599
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12		0.12	0.0011	0.005	0.005	0.005	0.125	96		38395	44601
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.121		0.121		0.121		0.121	0.0011	0.005	0.005	0.005	0.125	96.8	0.8	38395	44601
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.447		0.447		0.447		0.447	0.0026	0.005	0.005	0.005	0.5	89.4		38395	44601
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.48		0.48		0.48		0.48	0.0026	0.005	0.005	0.005	0.5	96	7.1	38395	44601
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.974		0.974		0.974		0.974	0.0006	0.001	0.001	0.001	1	97.4		38395	44601
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.977		0.977		0.977		0.977	0.0006	0.001	0.001	0.001	1	97.7	0.3	38395	44601
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024		0.024		0.024		0.024	0.0011	0.002	0.002	0.002	0.025	96		38395	44601
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.023		0.023		0.023		0.023	0.0011	0.002	0.002	0.002	0.025	92	4.2	38395	44601
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.242		0.242		0.242		0.242	0.0004	0.001	0.001	0.001	0.25	96.8		38395	44601
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.24		0.24		0.24		0.24	0.0004	0.001	0.001	0.001	0.25	96	0.8	38395	44601
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.242		0.242		0.242		0.242	0.0004	0.001	0.001	0.001	0.25	96.8		38395	44601
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.241		0.241		0.241		0.241	0.0004	0.001	0.001	0.001	0.25	96.4	0.4	38395	44601
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.098		0.098		0.098		0.098	0.0005	0.001	0.001	0.001	0.1	98		38395	44601
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.098		0.098		0.098		0.098	0.0005	0.001	0.001	0.001	0.1	98	0	38395	44601
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.12		0.12		0.12		0.12	0.0009	0.005	0.005	0.005	0.125	96		38395	44601
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.119		0.119		0.119		0.119	0.0009	0.005	0.005	0.005	0.125	95.2	0.8	38395	44601
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.237		0.237		0.237		0.237	0.0013	0.005	0.005	0.005	0.25	94.8		38395	44601
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.234		0.234		0.234		0.234	0.0013	0.005	0.005	0.005	0.25	93.6	1.3	38395	44601
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.494		0.494		0.494		0.494	0.0036	0.005	0.005	0.005	0.5	98.8		38395	44601
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.48		0.48		0.48		0.48	0.0036	0.005	0.005	0.005	0.5	96	2.9	38395	44601
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.25		0.25		0.25		0.25	0.0047	0.006	0.006	0.006	0.25	100		38395	44601
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.253		0.253		0.253		0.253	0.0047	0.006	0.006	0.006	0.25	101.2	1.2	38395	44601
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.44		0.44		0.44		0.44	0.0066	0.01	0.01	0.01	0.5	88		38395	44601
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.423		0.423		0.423		0.423	0.0066	0.01	0.01	0.01	0.5	84.6	3.9	38395	44601
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.292		0.292		0.292		0.292	0.0032	0.025	0.025	0.025	0.3	97.3333		38395	44601
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.285		0.285		0.285		0.285	0.0032	0.025	0.025	0.025	0.3	95	2.4	38395	44601
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.508		0.508		0.508		0.508	0.0021	0.0021	0.0021	0.0021	0.5	101.6		38395	44601
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.501		0.501		0.501		0.501	0.0021	0.0021	0.0021	0.0021	0.5	100.2	1.4	38395	44601
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.248		0.248		0.248		0.248	0.0005	0.005	0.005	0.005	0.25	99.2		38395	44601
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.248		0.248		0.248		0.248	0.0005	0.005	0.005	0.005	0.25	99.2	0	38395	44601
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.237		0.237		0.237		0.237	0.0021	0.005	0.005	0.005	0.25	94.8		38395	44601
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.235		0.235		0.235		0.235	0.0021	0.005	0.005	0.005	0.25	94	0.8	38395	44601
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.111		0.111		0.111		0.111	0.0011	0.005	0.005	0.005	0.125	88.8		38395	44601
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.117		0.117		0.117		0.117	0.0011	0.005	0.005	0.005	0.125	93.6	5.3	38395	44601
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.477		0.477		0.477		0.477	0.0026	0.005	0.005	0.005	0.5	95.4		38395	44601
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.486		0.486		0.486		0.486	0.0026	0.005	0.005	0.005	0.5	97.2	1.9	38395	44601
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.937		0.937		0.937		0.937	0.0006	0.001	0.001	0.001	1	93.7		38395	44601
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.963		0.963		0.963		0.963	0.0006	0.001	0.001	0.001	1	96.3	2.7	38395	44601
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024		0.024		0.024		0.024	0.0011	0.002	0.002	0.002	0.025	96		38395	44601
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024		0.024		0.024		0.024	0.0011	0.002	0.002	0.002	0.025	96	0	38395	44601
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.225		0.225		0.225		0.225	0.0004	0.001	0.001	0.001	0.25	90		38395	44601
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.216		0.216		0.216		0.216	0.0004	0.001	0.001	0.001	0.25	86.4	4.1	38395	44601
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.215		0.215		0.215		0.215	0.0004	0.001	0.001	0.001	0.25	86		38395	44601
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.21		0.21		0.21		0.21	0.0004	0.001	0.001	0.001	0.25	84	2.4	38395	44601
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.095		0.095		0.095		0.095	0.0005	0.001	0.001	0.001	0.1	95		38395	44601
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.094		0.094		0.094		0.094	0.0005	0.001	0.001	0.001	0.1	94	1	38395	44601
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.115		0.115		0.115		0.115	0.0009	0.005	0.005	0.005	0.125	92		38395	44601
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116		0.116		0.116		0.116	0.0009	0.005	0.005	0.005	0.125	92.8	0.9	38395	44601
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.218		0.218		0.218		0.218	0.0013	0.005	0.005	0.005	0.25	87.2		38395	44601
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.218		0.218		0.218		0.218	0.0013	0.005	0.005	0.005	0.25	87.2	0	38395	44601
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.472		0.472		0.472		0.472	0.0036	0.005	0.005	0.005	0.5	94.4		38395	44601
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.484		0.484		0.484		0.484	0.0036	0.005	0.005	0.005	0.5	96.8	2.5	38395	44601
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.23		0.23		0.23		0.23	0.0047	0.006	0.006	0.006	0.25	92		38395	44601
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.239		0.239		0.239		0.239	0.0047	0.006	0.006	0.006	0.25	95.6	3.8	38395	44601
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.414		0.414		0.414		0.414	0.0066	0.01	0.01	0.01	0.5	82.8		38395	44601
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.398		0.398		0.398		0.398	0.0066	0.01	0.01	0.01	0.5	79.6	3.9	38395	44601
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.277		0.277		0.277		0.277	0.0032	0.025	0.025	0.025	0.3	92.3333		38395	44601
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.281		0.281		0.281		0.281	0.0032	0.025	0.025	0.025	0.3	93.6667	1.4	38395	44601
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.427		0.427		0.427		0.427	0.0021	0.0021	0.0021	0.0021	0.5	85.4		38395	44601
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.444		0.444		0.444		0.444	0.0021	0.0021	0.0021	0.0021	0.5	88.8	3.9	38395	44601
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.232		0.232		0.232		0.232	0.0005	0.005	0.005	0.005	0.25	92.8		38395	44601
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.232		0.232		0.232		0.232	0.0005	0.005	0.005	0.005	0.25	92.8	0	38395	44601
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.239		0.239		0.239		0.239	0.0021	0.005	0.005	0.005	0.25	95.6		38395	44601
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.223		0.223		0.223		0.223	0.0021	0.005	0.005	0.005	0.25	89.2	6.9	38395	44601
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38395	44601
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38395	44601
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	<	0.001	0.0006	0.001	0.001	0.001	0			38395	44601
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38395	44601
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38395	44601
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38395	44601
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0			38395	44601
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38395	44601
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38395	44601
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38395	44601
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38395	44601
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38395	44601
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38395	44601
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38395	44601
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0			38395	44601
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0			38395	44601
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.125		0.125		0.125		0.125	0	0	0	0	0.125	100		38395	44601
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38395	44601
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.998		0.998		0.998		0.998	0	0	0	0	1	99.8		38395	44601
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38395	44601
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.974		0.974		0.974		0.974	0	0	0	0	1	97.4		38395	44601
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38395	44601
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.988		0.988		0.988		0.988	0	0	0	0	1	98.8		38395	44601
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1		1		1		1	0	0	0	0	1	100		38395	44601
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38395	44601
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.993		0.993		0.993		0.993	0	0	0	0	1	99.3		38395	44601
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.07		1.07		1.07		1.07	0	0	0	0	1	107		38395	44601
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1		1		1		1	0	0	0	0	1	100		38395	44601
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.995		0.995		0.995		0.995	0	0	0	0	1	99.5		38395	44601
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38395	44601
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.979		0.979		0.979		0.979	0	0	0	0	1	97.9		38395	44601
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.974		0.974		0.974		0.974	0	0	0	0	1	97.4		38395	44601
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12		0.12	0	0	0	0	0.125	96		38395	44601
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.953		0.953		0.953		0.953	0	0	0	0	1	95.3		38395	44601
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.97		0.97		0.97		0.97	0	0	0	0	1	97		38395	44601
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.977		0.977		0.977		0.977	0	0	0	0	1	97.7		38395	44601
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.936		0.936		0.936		0.936	0	0	0	0	1	93.6		38395	44601
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.991		0.991		0.991		0.991	0	0	0	0	1	99.1		38395	44601
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.947		0.947		0.947		0.947	0	0	0	0	1	94.7		38395	44601
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.966		0.966		0.966		0.966	0	0	0	0	1	96.6		38395	44601
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1		1		1		1	0	0	0	0	1	100		38395	44601
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.966		0.966		0.966		0.966	0	0	0	0	1	96.6		38395	44601
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38395	44601
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.987		0.987		0.987		0.987	0	0	0	0	1	98.7		38395	44601
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.975		0.975		0.975		0.975	0	0	0	0	1	97.5		38395	44601
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.994		0.994		0.994		0.994	0	0	0	0	1	99.4		38395	44601

CCV (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2		0.948		0.948		0.948	0.948	0	0	0	0	1	94.8			38395	44601
CCV (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6		0.997		0.997		0.997	0.997	0	0	0	0	1	99.7			38395	44601
Duplicate (	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		262		262		262	262	5	0	5	5	0			8	38430	44619
Sample 14(	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		284		284		284	284	5	0	5	5	0	0	0	0	38430	44619
Method Bl	TDS	E 160.1	mg/L	1 no	Total Disso	N/A	<	5		0	<	5	5	5	0	5	5	0				38430	44619
ICV (1)	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		995		995		995	995	5	0	5	5	1000	99.5			38430	44619
CCV (1)	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		989		989		989	989	5	0	5	5	1000	98.9			38430	44619
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		790		790		790	790	0	0	0	0	0			0.4	38450	44652
Sample 14(	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		793		793		793	793	0	0	0	0	0	0	0	0	38450	44652
Method Bl	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		0		0		0	0					0				38450	44652
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495			38450	44652
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495			38450	44652
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		330		330		330	330	0	0	0	0	0			3.1	38451	44653
Sample 14(	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		320		320		320	320	0	0	0	0	0	0	0	0	38451	44653
Method Bl	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		0		0		0	0					0				38451	44653
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495			38451	44653
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495			38451	44653
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		319		319		319	319	0	0	0	0	0			0.3	38452	44654
Sample 14(	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		318		318		318	318	0	0	0	0	0	0	0	0	38452	44654
Method Bl	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		0		0		0	0					0				38452	44654
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		1410		1410		1410	1410					1413	99.7877			38452	44654
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1 no	Specific Co	N/A		1420		1420		1420	1420					1413	100.495			38452	44654
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A		7.49		7.49		7.49	7.49	0	0	0	0	0			0	38457	44659
Sample 14(	pH	E 150.1	s.u.	1 no	pH	N/A		7.49		7.49		7.49	7.49	0	0	0	0	0	0	0	0	38457	44659
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		7.01		7.01		7.01	7.01					7	100.143			38457	44659
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		6.97		6.97		6.97	6.97					7	99.5714			38457	44659
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A		7.7		7.7		7.7	7.7	0	0	0	0	0			0.1	38458	44660
Sample 14(	pH	E 150.1	s.u.	1 no	pH	N/A		7.71		7.71		7.71	7.71	0	0	0	0	0	0	0	0	38458	44660
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		7		7		7	7					7	100			38458	44660
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		6.95		6.95		6.95	6.95					7	99.2857			38458	44660
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A		7.85		7.85		7.85	7.85	0	0	0	0	0			0	38459	44661
Sample 14(	pH	E 150.1	s.u.	1 no	pH	N/A		7.85		7.85		7.85	7.85	0	0	0	0	0	0	0	0	38459	44661
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		7.01		7.01		7.01	7.01					7	100.143			38459	44661
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		6.96		6.96		6.96	6.96					7	99.4286			38459	44661
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			0	38469	44672
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0			0	38469	44672
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		86		86		86	86	4	4	4	4	0			2.3	38469	44672
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		86		86		86	86	2.38	4	4	4	0			2.3	38469	44672
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	0	38469	44672
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	0	38469	44672
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		88		88		88	88	4	4	4	4	0	0	0	0	38469	44672
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		88		88		88	88	2.38	4	4	4	0	0	0	0	38469	44672
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38469	44672
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38469	44672
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A	<	4	<	4	<	4	4	4	4	4	4	0				38469	44672
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A	<	2.38	<	4	<	4	4	2.38	4	4	4	0				38469	44672
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38469	44672
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A		244		244		244	244	1	1	1	1	0				38469	44672
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		6		6		6	6	4	4	4	4	0				38469	44672
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		250		250		250	250	2.38	4	4	4	250	100			38469	44672
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38469	44672
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A		240		240		240	240	1	1	1	1	0				38469	44672
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		6		6		6	6	4	4	4	4	0				38469	44672
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		246		246		246	246	2.38	4	4	4	250	98.4			38469	44672
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			0	38470	44673
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0			0	38470	44673
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		92		92		92	92	4	4	4	4	0			2.2	38470	44673
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		92		92		92	92	2.38	4	4	4	0			2.2	38470	44673
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	0	38470	44673
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	0	38470	44673
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		90		90		90	90	4	4	4	4	0	0	0	0	38470	44673
Sample 14(	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		90		90		90	90	2.38	4	4	4	0	0	0	0	38470	44673
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38470	44673
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38470	44673
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A	<	4	<	4	<	4	4	4	4	4	4	0				38470	44673
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A	<	2.38	<	4	<	4	4	2.38	4	4	4	0				38470	44673
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38470	44673
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A		236		236		236	236	1	1	1	1	0				38470	44673
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		6		6		6	6	4	4	4	4	0				38470	44673
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		242		242		242	242	2.38	4	4	4	250	96.8			38470	44673
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0				38470	44673
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Carbonate	N/A		240		240		240	240	1	1	1	1	0				38470	44673
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Bicarbonat	N/A		8		8		8	8	4	4	4	4	0				38470	44673
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1 no	Total Alkali	N/A		248		248		248	248	2.38	4	4	4	250	99.2			38470	44673
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A		7.62		7.62		7.62	7.62	0	0	0	0	0			0.1	38460	44676
Sample 14(	pH	E 150.1	s.u.	1 no	pH	N/A		7.61		7.61		7.61	7.61	0	0	0	0	0	0	0	0	38460	44676
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		6.99		6.99		6.99	6.99					7	99.8571			38460	44676
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A		6.95		6.95		6.95	6.95					7	99.2857			38460	44676
Duplicate (	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		498		498		498	498	5	0	5	5	0			5.4	38473	44677
Sample 14(	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		472		472		472	472	5	0	5	5	0	0	0	0	38473	44677
Method Bl	TDS	E 160.1	mg/L	1 no	Total Disso	N/A	<	5		0	<	5	5	5	0	5	5	0				38473	44677
ICV (1)	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		995		995		995	995	5	0	5	5	1000	99.5			38473	44677
CCV (1)	TDS	E 160.1	mg/L	1 no	Total Disso	N/A		1000		1000		1000	1000	5	0	5	5	1000	100			38473	44677
LCS (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4		0.117		0.117		0.117	0.117	0.0011	0.005	0.005	0.005	0.125	93.6			38484	44698
LCSD (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4		0.12		0.12		0.12	0.12	0.0011	0.005	0.005	0.005	0.125	96		2.5	38484	44698
LCS (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2		0.457		0.457		0.457	0.457	0.0026	0.005	0.005	0.005	0.5	91.4			38484	44698
LCSD (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2		0.467		0.467		0.467	0.467	0.0026	0.005	0.005	0.005	0.5	93.4	2.2	3.8	38484	44698
LCS (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3		0.944		0.944		0.944	0.944	0.0006	0.001	0.001	0.001	1	94.4			38484	44698
LCSD (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3		0.978		0.978		0.978	0.978	0.0006	0.001	0.001	0.001	1	97.8	3.5	3.5	38484	44698
LCS (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7		0.022		0.022		0.022	0.022	0.0011	0.002	0.002	0.002	0.025	88			38484	44698
LCSD (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7		0.024		0.024		0.024	0.024	0.0011	0.002	0.002	0.002	0.025	96	8.7	4.8	38484	44698
LCS (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9		0.235		0.235		0.235	0.235	0.0004	0.001	0.001	0.001	0.25	94			38484	44698
LCSD (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9		0.244		0.244		0.244	0.244	0.0004	0.001	0.001	0.001	0.25	97.6	3.8	3.8	38484	44698
LCS (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4		0.235		0.235		0.235	0.235	0.0004	0.001	0.001	0.001	0.25	94			38484	44698
LCSD (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4		0.244		0.244		0.244	0.244	0.0004	0.001	0.001	0.001	0.25	97.6	3.8	3.8	38484	44698
LCS (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3		0.094		0.094		0.094	0.094	0.0005	0.001	0.001	0.001	0.1	94			38484	44698
LCSD (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3		0.097		0.097		0.097	0.097	0.0005	0.001	0.001	0.001	0.1	97	3.1	3.1	38484	44698
LCS (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8		0.115		0.115		0.115	0.115	0.0009	0.005	0.005	0.005	0.125	92			38484	44698
LCSD (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8		0.118		0.118		0.118	0.118	0.0009	0.005	0.005	0.005	0.125	94.4	2.6	2.6	38484	44698
LCS (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0		0.23		0.23		0.23	0.23	0.0013	0.005	0.005	0.005	0.25	92			38484	44698
LCSD (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0		0.24		0.24		0.24	0.24	0.0013	0.005	0.005	0.005	0.25	96	4.2	3.8	38484	44698
LCS (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.455		0.455		0.455	0.455	0.0036	0.005	0.005	0.005	0.5	91			38484	44698
LCS (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.455		0.455		0.455	0.455	0.0036	0.005	0.005	0.005	0.5	91			38484	44698
LCSD (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.478		0.478		0.478	0.478	0.0036	0.005	0.005	0.005	0.5	95.6	4.9	3.8	38484	44698
LCSD (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.478		0.478		0.478	0.478	0.0036	0.005	0.005	0.005	0.5	95.6	4.9	4.9	38484	44698
LCS (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0		0.249		0.249		0.249	0.249	0.0047	0.006	0.006	0.006	0.25	99.6			38484	44698
LCSD (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0		0.251		0.251		0.251	0.251	0.0047	0.006	0.006	0.006	0.25	100.4	0.8	3.8	38484	44698
LCS (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2		0.461		0.461		0.461	0.461	0.0066	0.01	0.01	0.01	0.5	92.2			38484	44698
LCSD (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2		0.464		0.464		0.464	0.464	0.0066	0.01	0.01	0.01	0.5	92.8	0.6	3.8	38484	44698
LCS (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5		0.295		0.295		0.295	0.295	0.0032	0.025	0.025	0.025	0.3	98.3333			38484	44698
LCSD (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5		0.3		0.3		0.3	0.3	0.0032	0.025	0.025	0.025	0.3	100	1.7	3.8	38484	44698
LCS (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0		0.5		0.5		0.5	0.5	0.0021	0.0021	0.0021	0.0021	0.5	100			38484	44698
LCSD (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0		0.523		0.523		0.523	0.523	0.0021	0.0021	0.0021	0.0021	0.5	104.6	4.5	3.8	38484	44698
LCS (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2		0.238		0.238		0.238	0.238	0.0005	0.005	0.005	0.005	0.25	95.2			38484	44698
LCSD (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2		0.244		0.244		0.244	0.244	0.0005	0.005	0.005	0.005	0.25	97.6	2.5	3.8	38484	44698
LCS (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6		0.228		0.228		0.228	0.228	0.0021	0.005	0.005	0.005	0.25	91.2			38484	44698
LCSD (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6		0.234		0.234		0.234	0.234	0.0021	0.005	0.005	0.005	0.25	93.6	2.6	3.8	38484	44698
MS (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4		0.12		0.12		0.12	0.12	0.0011	0.005	0.005	0.005	0.125	96			38484	44698
MSD (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4		0.119		0.119		0.119	0.119	0.0011	0.005	0.005	0.005	0.125	95.2	0.8	3.8	38484	44698
MS (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2		0.485		0.485		0.485	0.485	0.0026	0.005	0.005	0.005	0.5	97			38484	44698
MSD (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2		0.475		0.475		0.475	0.475	0.0026	0.005	0.005	0.005	0.5	95	2.1	3.8	38484	44698
MS (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3		1.22		1.22		1.22	1.22	0.0006	0.001	0.001	0.001	1	95.2			38484	44698
MSD (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3		1.22		1.22		1.22	1.22	0.0006	0.001	0.001	0.001	1	95.2	0	3.8	38484	44698
MS (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7		0.023		0.023		0.023	0.023	0.0011	0.002	0.002	0.002	0.025	92			38484	44698
MSD (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7		0.023		0.023		0.023	0.023	0.0011	0.002	0.002	0.002	0.025	92	0	3.8	38484	44698
MS (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9		0.231		0.231		0.231	0.231	0.0004	0.001	0.001	0.001	0.25	92.4			38484	44698
MSD (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9		0.232		0.232		0.232	0.232	0.0004	0.001	0.001	0.001	0.25	92.8	0.4	3.8	38484	44698
MS (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4		0.23		0.23		0.23	0.23	0.0004	0.001	0.001	0.001	0.25	92			38484	44698
MSD (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4		0.231		0.231		0.231	0.231	0.0004	0.001	0.001	0.001	0.25	92.4	0.4	3.8	38484	44698
MS (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3		0.094		0.094		0.094	0.094	0.0005	0.001	0.001	0.001	0.1	93			38484	44698
MSD (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3		0.094		0.094		0.094	0.094	0.0005	0.001	0.001	0.001	0.1	93	0	3.8	38484	44698
MS (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8			38484	44698
MSD (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8		0.121		0.121		0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8	0	3.8	38484	44698
MS (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0		0.232		0.232		0.232	0.232	0.0013	0.005	0.005	0.005	0.25	92.8			38484	44698
MSD (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0		0.232		0.232		0.232	0.232	0.0013	0.005	0.005	0.005	0.25	92.8	0	3.8	38484	44698
MS (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.484		0.484		0.484	0.484	0.0036	0.005	0.005	0.005	0.5	96.8			38484	44698
MS (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.484		0.484		0.484	0.484	0.0036	0.005	0.005	0.005	0.5	96.8			38484	44698
MSD (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.478		0.478		0.478	0.478	0.0036	0.005	0.005	0.005	0.5	95.6	1.2	3.8	38484	44698
MSD (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.478		0.478		0.478	0.478	0.0036	0.005	0.005	0.005	0.5	95.6	1.2	3.8	38484	44698
MS (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0		0.243		0.243		0.243	0.243	0.0047	0.006	0.006	0.006	0.25	97.2			38484	44698

MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.258		0.258		0.258	0.258	0.0047	0.006	0.006	0.006	0.25	103.2	6	38484	44698
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.42		0.42		0.42	0.42	0.0066	0.01	0.01	0.01	0.5	84		38484	44698
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.437		0.437		0.437	0.437	0.0066	0.01	0.01	0.01	0.5	87.4	4	38484	44698
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.291		0.291		0.291	0.291	0.0032	0.025	0.025	0.025	0.3	97		38484	44698
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.288		0.288		0.288	0.288	0.0032	0.025	0.025	0.025	0.3	96	1	38484	44698
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.499		0.499		0.499	0.499	0.0021	0.0021	0.0021	0.0021	0.5	99.8		38484	44698
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.492		0.492		0.492	0.492	0.0021	0.0021	0.0021	0.0021	0.5	98.4	1.4	38484	44698
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.249		0.249		0.249	0.249	0.0005	0.005	0.005	0.005	0.25	99.6		38484	44698
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.238		0.238		0.238	0.238	0.0005	0.005	0.005	0.005	0.25	95.2	4.5	38484	44698
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.239		0.239		0.239	0.239	0.0021	0.005	0.005	0.005	0.25	95.6		38484	44698
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.24		0.24		0.24	0.24	0.0021	0.005	0.005	0.005	0.25	96	0.4	38484	44698
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	0.005	0.0011	0.005	0.005	0.005	0			38484	44698
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	0.005	0.0026	0.005	0.005	0.005	0			38484	44698
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	0.001	0.0006	0.001	0.001	0.001	0			38484	44698
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	0.002	0.0011	0.002	0.002	0.002	0			38484	44698
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38484	44698
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38484	44698
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			38484	44698
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			38484	44698
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			38484	44698
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			38484	44698
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			38484	44698
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			38484	44698
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			38484	44698
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			38484	44698
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			38484	44698
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			38484	44698
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.123		0.123		0.123	0.123	0	0	0	0	0.125	98.4		38484	44698
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.971		0.971		0.971	0.971	0	0	0	0	1	97.1		38484	44698
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.995		0.995		0.995	0.995	0	0	0	0	1	99.5		38484	44698
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.996		0.996		0.996	0.996	0	0	0	0	1	99.6		38484	44698
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.961		0.961		0.961	0.961	0	0	0	0	1	96.1		38484	44698
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38484	44698
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3		0.973		0.973		0.973	0.973	0	0	0	0	1	97.3		38484	44698
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.984		0.984		0.984	0.984	0	0	0	0	1	98.4		38484	44698
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.02		1.02		1.02	1.02	0	0	0	0	1	102		38484	44698
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.994		0.994		0.994	0.994	0	0	0	0	1	99.4		38484	44698
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.08		1.08		1.08	1.08	0	0	0	0	1	108		38484	44698
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38484	44698
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.997		0.997		0.997	0.997	0	0	0	0	1	99.7		38484	44698
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.989		0.989		0.989	0.989	0	0	0	0	1	98.9		38484	44698
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.971		0.971		0.971	0.971	0	0	0	0	1	97.1		38484	44698
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.963		0.963		0.963	0.963	0	0	0	0	1	96.3		38484	44698
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12	0.12	0	0	0	0	0.125	96		38484	44698
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.967		0.967		0.967	0.967	0	0	0	0	1	96.7		38484	44698
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.984		0.984		0.984	0.984	0	0	0	0	1	98.4		38484	44698
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.971		0.971		0.971	0.971	0	0	0	0	1	97.1		38484	44698
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.935		0.935		0.935	0.935	0	0	0	0	1	93.5		38484	44698
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.98		0.98		0.98	0.98	0	0	0	0	1	98		38484	44698
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3		0.945		0.945		0.945	0.945	0	0	0	0	1	94.5		38484	44698
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.964		0.964		0.964	0.964	0	0	0	0	1	96.4		38484	44698
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.994		0.994		0.994	0.994	0	0	0	0	1	99.4		38484	44698
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.956		0.956		0.956	0.956	0	0	0	0	1	95.6		38484	44698
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.05		1.05		1.05	1.05	0	0	0	0	1	105		38484	44698
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.965		0.965		0.965	0.965	0	0	0	0	1	96.5		38484	44698
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.958		0.958		0.958	0.958	0	0	0	0	1	95.8		38484	44698
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.98		0.98		0.98	0.98	0	0	0	0	1	98		38484	44698
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.948		0.948		0.948	0.948	0	0	0	0	1	94.8		38484	44698
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.935		0.935		0.935	0.935	0	0	0	0	1	93.5		38484	44698
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.117		0.117		0.117	0.117	0.0011	0.005	0.005	0.005	0.125	93.6		38484	44699
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12	0.12	0.0011	0.005	0.005	0.005	0.125	96	2.5	38484	44699
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.457		0.457		0.457	0.457	0.0026	0.005	0.005	0.005	0.5	91.4		38484	44699
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.467		0.467		0.467	0.467	0.0026	0.005	0.005	0.005	0.5	93.4	2.2	38484	44699
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.944		0.944		0.944	0.944	0.0006	0.001	0.001	0.001	1	94.4		38484	44699
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.978		0.978		0.978	0.978	0.0006	0.001	0.001	0.001	1	97.8	3.5	38484	44699
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.022		0.022		0.022	0.022	0.0011	0.002	0.002	0.002	0.025	88		38484	44699
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024		0.024		0.024	0.024	0.0011	0.002	0.002	0.002	0.025	96	8.7	38484	44699
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.235		0.235		0.235	0.235	0.0004	0.001	0.001	0.001	0.25	94		38484	44699
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.244		0.244		0.244	0.244	0.0004	0.001	0.001	0.001	0.25	97.6	3.8	38484	44699
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.235		0.235		0.235	0.235	0.0004	0.001	0.001	0.001	0.25	94		38484	44699
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.244		0.244		0.244	0.244	0.0004	0.001	0.001	0.001	0.25	97.6	3.8	38484	44699
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3		0.094		0.094		0.094	0.094	0.0005	0.001	0.001	0.001	0.1	94		38484	44699
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3		0.097		0.097		0.097	0.097	0.0005	0.001	0.001	0.001	0.1	97	3.1	38484	44699
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.115		0.115		0.115	0.115	0.0009	0.005	0.005	0.005	0.125	92		38484	44699
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.118		0.118		0.118	0.118	0.0009	0.005	0.005	0.005	0.125	94.4	2.6	38484	44699
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.23		0.23		0.23	0.23	0.0013	0.005	0.005	0.005	0.25	92		38484	44699
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.24		0.24		0.24	0.24	0.0013	0.005	0.005	0.005	0.25	96	4.2	38484	44699
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.455		0.455		0.455	0.455	0.0036	0.005	0.005	0.005	0.5	91		38484	44699
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.478		0.478		0.478	0.478	0.0036	0.005	0.005	0.005	0.5	95.6	4.9	38484	44699
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.249		0.249		0.249	0.249	0.0047	0.006	0.006	0.006	0.25	99.6		38484	44699
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.251		0.251		0.251	0.251	0.0047	0.006	0.006	0.006	0.25	100.4	0.8	38484	44699
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.461		0.461		0.461	0.461	0.0066	0.01	0.01	0.01	0.5	92.2		38484	44699
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.464		0.464		0.464	0.464	0.0066	0.01	0.01	0.01	0.5	92.8	0.6	38484	44699
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.295		0.295		0.295	0.295	0.0032	0.025	0.025	0.025	0.3	98.3333		38484	44699
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.3		0.3		0.3	0.3	0.0032	0.025	0.025	0.025	0.3	100	1.7	38484	44699
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.5		0.5		0.5	0.5	0.0021	0.0021	0.0021	0.0021	0.5	100		38484	44699
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.523		0.523		0.523	0.523	0.0021	0.0021	0.0021	0.0021	0.5	104.6	4.5	38484	44699
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.238		0.238		0.238	0.238	0.0005	0.005	0.005	0.005	0.25	95.2		38484	44699
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.244		0.244		0.244	0.244	0.0005	0.005	0.005	0.005	0.25	97.6	2.5	38484	44699
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.228		0.228		0.228	0.228	0.0021	0.005	0.005	0.005	0.25	91.2		38484	44699
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.234		0.234		0.234	0.234	0.0021	0.005	0.005	0.005	0.25	93.6	2.6	38484	44699
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.114		0.114		0.114	0.114	0.0011	0.005	0.005	0.005	0.125	91.2		38484	44699
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.118		0.118		0.118	0.118	0.0011	0.005	0.005	0.005	0.125	94.4	3.4	38484	44699
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.456		0.456		0.456	0.456	0.0026	0.005	0.005	0.005	0.5	91.2		38484	44699
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.448		0.448		0.448	0.448	0.0026	0.005	0.005	0.005	0.5	89.6	1.8	38484	44699
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.896		0.896		0.896	0.896	0.0006	0.001	0.001	0.001	1	87.8		38484	44699
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.967		0.967		0.967	0.967	0.0006	0.001	0.001	0.001	1	94.9	7.6	38484	44699
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.022		0.022		0.022	0.022	0.0011	0.002	0.002	0.002	0.025	88		38484	44699
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.023		0.023		0.023	0.023	0.0011	0.002	0.002	0.002	0.025	92	4.4	38484	44699
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.223		0.223		0.223	0.223	0.0004	0.001	0.001	0.001	0.25	89.2		38484	44699
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.226		0.226		0.226	0.226	0.0004	0.001	0.001	0.001	0.25	90.4	1.3	38484	44699
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.221		0.221		0.221	0.221	0.0004	0.001	0.001	0.001	0.25	88.4		38484	44699
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.231		0.231		0.231	0.231	0.0004	0.001	0.001	0.001	0.25	92.4	4.4	38484	44699
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3		0.094		0.094		0.094	0.094	0.0005	0.001	0.001	0.001	0.1	88		38484	44699
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3		0.1		0.1		0.1	0.1	0.0005	0.001	0.001	0.001	0.1	94	6.2	38484	44699
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.114		0.114		0.114	0.114	0.0009	0.005	0.005	0.005	0.125	91.2		38484	44699
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116		0.116		0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8	1.7	38484	44699
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.212		0.212		0.212	0.212	0.0013	0.005	0.005	0.005	0.25	84.8		38484	44699
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.227		0.227		0.227	0.227	0.0013	0.005	0.005	0.005	0.25	90.8	6.8	38484	44699
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.463		0.463		0.463	0.463	0.0036	0.005	0.005	0.005	0.5	92.6		38484	44699
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.464		0.464		0.464	0.464	0.0036	0.005	0.005	0.005	0.5	92.8	0.2	38484	44699
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.232		0.232		0.232	0.232	0.0047	0.006	0.006	0.006	0.25	92.8		38484	44699
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.226		0.226		0.226	0.226	0.0047	0.006	0.006	0.006	0.25	90.4	2.6	38484	44699
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.416		0.416		0.416	0.416	0.0066	0.01	0.01	0.01	0.5	83.2		38484	44699
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.411		0.411		0.411	0.411	0.0066	0.01	0.01	0.01	0.5	82.2	1.2	38484	44699
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.281		0.281		0.281	0.281	0.0032	0.025	0.025	0.025	0.3	93.6667		38484	44699
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.281		0.281		0.281	0.281	0.0032	0.025	0.025	0.025	0.3	93.6667	0	38484	44699
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.476		0.476		0.476	0.476	0.0021	0.0021	0.0021	0.0021	0.5	95.2		38484	44699
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.467		0.467		0.467	0.467	0.0021	0.0021	0.0021	0.0021	0.5	93.4	1.9	38484	44699
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.239		0.239		0.239	0.239	0.0005	0.005	0.005	0.005	0.25	92.4		38484	44699
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.246		0.246		0.246	0.246	0.0005	0.005	0.005	0.005	0.25	95.2	2.9	38484	44699
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.227		0.227		0.227	0.227	0.0021	0.005	0.005	0.005	0.25	88		38484	44699
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.234		0.234		0.234	0.234	0.0021	0.005	0.005	0.005	0.25	90.8	3	38484	44699
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	0.005	0.0011	0.005	0.005	0.005	0			38484	44699
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	0.005	0.0026	0.005	0.005	0.005	0			38484	44699
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	0.001	0.0006	0.001	0.001	0.001	0			38484	44699
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	0.002	0.0011	0.002	0.002	0.002	0			38484	44699
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38484	44699
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38484	44699
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chroi	7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			38484	44699
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			38484	44699
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			38484	44699
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			38484	44699
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			38484	44699
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			38484	44699
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			38484	44699
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			38484	44699
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			38484	44699
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			38484	44699
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.123		0.123		0.123	0.123	0	0	0	0	0.125	98.4		38484	44699

ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.971		0.971		0.971		0.971	0	0	0	0	1	97.1		38484	44699	
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.995		0.995		0.995		0.995	0	0	0	0	1	99.5		38484	44699	
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.996		0.996		0.996		0.996	0	0	0	0	1	99.6		38484	44699	
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.961		0.961		0.961		0.961	0	0	0	0	1	96.1		38484	44699	
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38484	44699	
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.973		0.973		0.973		0.973	0	0	0	0	1	97.3		38484	44699	
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.984		0.984		0.984		0.984	0	0	0	0	1	98.4		38484	44699	
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38484	44699	
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.994		0.994		0.994		0.994	0	0	0	0	1	99.4		38484	44699	
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38484	44699	
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38484	44699	
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.997		0.997		0.997		0.997	0	0	0	0	1	99.7		38484	44699	
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.989		0.989		0.989		0.989	0	0	0	0	1	98.9		38484	44699	
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.971		0.971		0.971		0.971	0	0	0	0	1	97.1		38484	44699	
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.963		0.963		0.963		0.963	0	0	0	0	1	96.3		38484	44699	
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.134		0.134		0.134		0.134	0	0	0	0	0.125	107.2		38484	44699	
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38484	44699	
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38484	44699	
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38484	44699	
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38484	44699	
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38484	44699	
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38484	44699	
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38484	44699	
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.09		1.09		1.09		1.09	0	0	0	0	1	109		38484	44699	
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38484	44699	
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38484	44699	
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38484	44699	
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38484	44699	
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.07		1.07		1.07		1.07	0	0	0	0	1	107		38484	44699	
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38484	44699	
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.07		1.07		1.07		1.07	0	0	0	0	1	107		38484	44699	
LCS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.118		0.118		0.118		0.118	0.0103	0.015	0.015	0.015	0.12	98.3333		38505	44721	
LCSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.123		0.123		0.123		0.123	0.0103	0.015	0.015	0.015	0.12	102.5	4.1	38505	44721	
MS (1)	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		1.41		1.41		1.41		1.41	0.0103	0.015	0.015	0.015	1.2	117.5		38505	44721	
MSD (1)	Total Cyani	SM 4500-C	mg/L	10	no	Total Cyani	57-12-5		0.259		0.259		0.259		0.259	0.0103	0.015	0.015	0.015	1.2	21.5833	137.9	38505	44721	
Method Bla	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0			38505	44721	
ICV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.126		0.126		0.126		0.126	0	0	0	0	0.12	105		38505	44721	
CCV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.113		0.113		0.113		0.113	0	0	0	0	0.12	94.1667		38505	44721	
LCS (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.118		0.118		0.118		0.118	0.000829	0.01	0.01	0.01	0.12	98.3333		38511	44723	
LCSD (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.123		0.123		0.123		0.123	0.000829	0.01	0.01	0.01	0.12	102.5	4.1	38511	44723	
Method Bla	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0			38511	44723	
ICV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.126		0.126		0.126		0.126	0.000829	0.01	0.01	0.01	0.12	105		38511	44723	
CCV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.113		0.113		0.113		0.113	0.000829	0.01	0.01	0.01	0.12	94.1667		38511	44723	
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00102		0.00102		0.00102		0.00102	3.36E-05	0.0002	0.0002	0.0002	0.001	102		38536	44755	
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00103		0.00103		0.00103		0.00103	3.36E-05	0.0002	0.0002	0.0002	0.001	103	1	38536	44755	
MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00105		0.00105		0.00105		0.00105	3.36E-05	0.0002	0.0002	0.0002	0.001	105		38536	44755	
MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00106		0.00106		0.00106		0.00106	3.36E-05	0.0002	0.0002	0.0002	0.001	106	0.9	38536	44755	
Method Bla	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05	<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002	0.0002	0			38536	44755	
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00098		0.00098		0.00098		0.00098	3.36E-05	0.0002	0.0002	0.0002	0.001	98		38536	44755	
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00105		0.00105		0.00105		0.00105	3.36E-05	0.0002	0.0002	0.0002	0.001	105		38536	44755	
Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A		7.7		7.7		7.7		7.7	0	0	0	0	0		0.3	38559	44784	
Sample 14	pH	E 150.1	s.u.	1	no	pH	N/A		7.68		7.68		7.68		7.68	0	0	0	0	0	0	0	38559	44784	
ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A		6.99		6.99		6.99		6.99					7	99.8571		38559	44784	
CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A		6.95		6.95		6.95		6.95					7	99.2857		38559	44784	
LCS (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.149		0.149		0.149		0.149	0.0124	0.1	0.1	0.1	0.16	93.125		38573	44795	
LCSD (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.141		0.141		0.141		0.141	0.0124	0.1	0.1	0.1	0.16	88.125	5.5	38573	44795	
MS (1)	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.51		3.51		3.51		3.51	0.0124	0.1	0.1	0.1	0.16	-412.5		38573	44795	Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under contro
MSD (1)	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			3.53		3.53		3.53		3.53	0.0124	0.1	0.1	0.1	0.16	-400	0.6	38573	44795	Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under contro
Method Bla	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		<	0.0124	<	0.1	<	0.1	<	0.1	0.0124	0.1	0.1	0.1	0			38573	44795	
ICV (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.154		0.154		0.154		0.154	0.0124	0.1	0.1	0.1	0.16	96.25		38573	44795	
CCV (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.175		0.175		0.175		0.175	0.0124	0.1	0.1	0.1	0.16	109.375		38573	44795	
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12		0.12	0.0011	0.005	0.005	0.005	0.125	96		38588	44819	
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12		0.12	0.0011	0.005	0.005	0.005	0.125	96	0	38588	44819	
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.486		0.486		0.486		0.486	0.0026	0.005	0.005	0.005	0.5	97.2		38588	44819	
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.489		0.489		0.489		0.489	0.0026	0.005	0.005	0.005	0.5	97.8	0.6	38588	44819	
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.975		0.975		0.975		0.975	0.0006	0.001	0.001	0.001	1	97.5		38588	44819	
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.988		0.988		0.988		0.988	0.0006	0.001	0.001	0.001	1	98.8	1.3	38588	44819	
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0235		0.0235		0.0235		0.0235	0.0011	0.002	0.002	0.002	0.025	94		38588	44819	
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0249		0.0249		0.0249		0.0249	0.0011	0.002	0.002	0.002	0.025	99.6	5.8	38588	44819	
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.244		0.244		0.244		0.244	0.0004	0.001	0.001	0.001	0.25	97.6		38588	44819	
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.245		0.245		0.245		0.245	0.0004	0.001	0.001	0.001	0.25	98	0.4	38588	44819	
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.25		0.25		0.25		0.25	0.0004	0.001	0.001	0.001	0.25	100		38588	44819	
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.252		0.252		0.252		0.252	0.0004	0.001	0.001	0.001	0.25	100.8	0.8	38588	44819	
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.098		0.098		0.098		0.098	0.0005	0.001	0.001	0.001	0.1	98		38588	44819	
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.098		0.098		0.098		0.098	0.0005	0.001	0.001	0.001	0.1	98	0	38588	44819	
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116		0.116		0.116		0.116	0.0009	0.005	0.005	0.005	0.125	92.8		38588	44819	
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.117		0.117		0.117		0.117	0.0009	0.005	0.005	0.005	0.125	93.6	0.8	38588	44819	
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.245		0.245		0.245		0.245	0.0013	0.005	0.005	0.005	0.25	98		38588	44819	
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.248		0.248		0.248		0.248	0.0013	0.005	0.005	0.005	0.25	99.2	1.2	38588	44819	
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.481		0.481		0.481		0.481	0.0036	0.005	0.005	0.005	0.5	96.2		38588	44819	
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.492		0.492		0.492		0.492	0.0036	0.005	0.005	0.005	0.5	98.4	2.3	38588	44819	
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.258		0.258		0.258		0.258	0.0047	0.006	0.006	0.006	0.25	103.2		38588	44819	
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.259		0.259		0.259		0.259	0.0047	0.006	0.006	0.006	0.25	103.6	0.4	38588	44819	
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.448		0.448		0.448		0.448	0.0066	0.01	0.01	0.01	0.5	89.6		38588	44819	
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.452		0.452		0.452		0.452	0.0066	0.01	0.01	0.01	0.5	90.4	0.9	38588	44819	
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.29		0.29		0.29		0.29	0.0032	0.025	0.025	0.025	0.3	96.6667		38588	44819	
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.297		0.297		0.297		0.297	0.0032	0.025	0.025	0.025	0.3	99	2.4	38588	44819	
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.51		0.51		0.51		0.51	0.0021	0.0021	0.0021	0.0021	0.5	102		38588	44819	
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.518		0.518		0.518		0.518	0.0021	0.0021	0.0021	0.0021	0.5	103.6	1.6	38588	44819	
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.225		0.225		0.225		0.225	0.0005	0.005	0.005	0.005	0.25	90		38588	44819	
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.226		0.226		0.226		0.226	0.0005	0.005	0.005	0.005	0.25	90.4	0.4	38588	44819	
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.235		0.235		0.235		0.235	0.0021	0.005	0.005	0.005	0.25	94		38588	44819	
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.236		0.236		0.236		0.236	0.0021	0.005	0.005	0.005	0.25	94.4	0.4	38588	44819	
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.116		0.116		0.116		0.116	0.0011	0.005	0.005	0.005	0.125	92.8		38588	44819	
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.12		0.12		0.12		0.12	0.0011	0.005	0.005	0.005	0.125	96	3.4	38588	44819	
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.481		0.481		0.481		0.481	0.0026	0.005	0.005	0.005	0.5	96.2		38588	44819	
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.476		0.476		0.476		0.476	0.0026	0.005	0.005	0.005	0.5	95.2	1	38588	44819	
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.985		0.985		0.985		0.985	0.0006	0.001	0.001	0.001	1	91.5		38588	44819	
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.03		1.03		1.03		1.03	0.0006	0.001	0.001	0.001	1	96	4.5	38588	44819	
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0234		0.0234		0.0234		0.0234	0.0011	0.002	0.002	0.002	0.025	93.6		38588	44819	
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.023		0.023		0.023		0.023	0.0011	0.002	0.002	0.002	0.025	92	1.7	38588	44819	
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.23		0.23		0.23		0.23	0.0004	0.001	0.001	0.001	0.25	92		38588	44819	
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.237		0.237		0.237		0.237	0.0004	0.001	0.001	0.001	0.25	94.8	3	38588	44819	
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.232		0.232		0.232		0.232	0.0004	0.001	0.001	0.001	0.25	92.8		38588	44819	
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.242		0.242		0.242		0.242	0.0004	0.001	0.001	0.001	0.25	96.8	4.2	38588	44819	
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.093		0.093		0.093		0.093	0.0005	0.001	0.001	0.001	0.1	93		38588	44819	
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.097		0.097		0.097		0.097	0.0005	0.001	0.001	0.001	0.1	97	4.2	38588	44819	
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.113		0.113		0.113		0.113	0.0009	0.005	0.005	0.005	0.125	90.4		38588	44819	
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.118		0.118		0.118		0.118	0.0009	0.005	0.005	0.005	0.125	94.4	4.3	38588	44819	
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.225		0.225		0.225		0.225	0.0013	0.005	0.005	0.005	0.25	90		38588	44819	
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.236		0.236		0.236		0.236	0.0013	0.005	0.005	0.005	0.25	94.4	4.8	38588	44819	
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.466		0.466		0.466		0.466	0.0036	0.005	0.005	0.005	0.5	93.2		38588	44819	
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.496		0.496		0.496		0.496	0.0036	0.005	0.005	0.005	0.5	99.2	6.2	38588	44819	
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.237		0.237		0.237		0.237	0.0047	0.006	0.006	0.006	0.25	94.8		38588	44819	
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.253		0.253		0.253		0.253	0.0047	0.006	0.006	0.006	0.25	101.2	6.5	38588	44819	
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.449		0.449		0.449		0.449	0.0066	0.01	0.01	0.01	0.5	89.8		38588	44819	
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.425		0.425		0.425		0.425	0.0066	0.01	0.01	0.01	0.5	85	5.5	38588	44819	
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.274		0.274		0.274		0.274	0.0032	0.025	0.025	0.025	0.3	91.3333		38588	44819	
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.287		0.287		0.287		0.287	0.0032	0.025	0.025	0.025	0.3	95.6667	4.6	38588	44819	
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.496		0.496		0.496		0.496	0.0021	0.0021	0.0021	0.0021	0.5	99.2		38588	44819	
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.481		0.481		0.481		0.481	0.0021	0.0021	0.0021	0.0021	0.5	96.2	3.1	38588	44819	
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.218		0.218		0.218		0.218	0.0005	0.005	0.005	0.005	0.25	87.2		38588	44819	
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.229		0.229		0.229		0.229	0.0005	0.005	0.005	0.005	0.25	91.6	4.9	38588	44819	
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.228		0.228		0.228		0.228	0.0021	0.005	0.005	0.005	0.25	88.4		38588	44819	
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.24		0.24		0.24		0.24	0.0021	0.005	0.005	0.005	0.25	93.2	5.1	38588	44819	
Method Bla	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38588	44819	
Method Bla	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38588	44819	
Method Bla	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	<	0.001	0.0006	0.001	0.001	0.001	0			38588	44819	
Method Bla	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38588	44819	
Method Bla	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38588	44819	
Method Bla	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38588	44819	
Method Bla	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0			38588	44819	
Method Bla	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38588	44819	
Method Bla	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38588	44819	
Method Bla	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38588	44819	
Method Bla	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38588	44819	
Method Bla	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38588	44819	
Method Bla	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38588	44819	
Method Bla	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38588	44819	
Method Bla	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0			38588	44819	

Method Blc	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0				38588	44819	
ICV (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4		0.123		0.123		0.123	0	0	0	0	0.125	98.4			38588	44819	
ICV (1)	As, Total	S 6010B	mg/L	1 no	Total Arsen	7440-38-2		0.994		0.994		0.994	0	0	0	0	1	99.4			38588	44819	
ICV (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3		0.989		0.989		0.989	0	0	0	0	1	98.9			38588	44819	
ICV (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7		0.985		0.985		0.985	0	0	0	0	1	98.5			38588	44819	
ICV (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadn	7440-43-9		0.96		0.96		0.96	0	0	0	0	1	96			38588	44819	
ICV (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4		0.969		0.969		0.969	0	0	0	0	1	96.9			38588	44819	
ICV (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3		0.96		0.96		0.96	0	0	0	0	1	96			38588	44819	
ICV (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8		0.973		0.973		0.973	0	0	0	0	1	97.3			38588	44819	
ICV (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0		1		1		1	0	0	0	0	1	100			38588	44819	
ICV (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.992		0.992		0.992	0	0	0	0	1	99.2			38588	44819	
ICV (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0		0.903		0.903		0.903	0	0	0	0	1	90.3			38588	44819	
ICV (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2		1.01		1.01		1.01	0	0	0	0	1	101			38588	44819	
ICV (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5		0.953		0.953		0.953	0	0	0	0	1	95.3			38588	44819	
ICV (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0		1.01		1.01		1.01	0	0	0	0	1	101			38588	44819	
ICV (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2		0.962		0.962		0.962	0	0	0	0	1	96.2			38588	44819	
ICV (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6		0.952		0.952		0.952	0	0	0	0	1	95.2			38588	44819	
CCV (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4		0.118		0.118		0.118	0	0	0	0	0.125	94.4			38588	44819	
CCV (1)	As, Total	S 6010B	mg/L	1 no	Total Arsen	7440-38-2		0.94		0.94		0.94	0	0	0	0	1	94			38588	44819	
CCV (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3		0.965		0.965		0.965	0	0	0	0	1	96.5			38588	44819	
CCV (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7		0.95		0.95		0.95	0	0	0	0	1	95			38588	44819	
CCV (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadn	7440-43-9		0.919		0.919		0.919	0	0	0	0	1	91.9			38588	44819	
CCV (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4		0.933		0.933		0.933	0	0	0	0	1	93.3			38588	44819	
CCV (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3		0.931		0.931		0.931	0	0	0	0	1	93.1			38588	44819	
CCV (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8		0.945		0.945		0.945	0	0	0	0	1	94.5			38588	44819	
CCV (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0		0.965		0.965		0.965	0	0	0	0	1	96.5			38588	44819	
CCV (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1		0.97		0.97		0.97	0	0	0	0	1	97			38588	44819	
CCV (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0		0.951		0.951		0.951	0	0	0	0	1	95.1			38588	44819	
CCV (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2		0.931		0.931		0.931	0	0	0	0	1	93.1			38588	44819	
CCV (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5		0.919		0.919		0.919	0	0	0	0	1	91.9			38588	44819	
CCV (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0		0.96		0.96		0.96	0	0	0	0	1	96			38588	44819	
CCV (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2		0.932		0.932		0.932	0	0	0	0	1	93.2			38588	44819	
CCV (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6		0.913		0.913		0.913	0	0	0	0	1	91.3			38588	44819	
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0.1711	2	2	2	12.5	94.4			38600	44824	
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0.1711	2	2	2	12.5	94.4		0	38600	44824	
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.41		2.41		2.41	0.0434	0.2	0.2	0.2	2.5	96.4			38600	44824	
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.41		2.41		2.41	0.0434	0.2	0.2	0.2	2.5	96.4		0	38600	44824	
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.2		12.2		12.2	0.1623	1	1	1	12.5	97.6			38600	44824	
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.2		12.2		12.2	0.1623	1	1	1	12.5	97.6		0	38600	44824	
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		89.6		89.6		89.6	0.1711	2	2	2	62.5	92.16			38600	44824	
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		89.8		89.8		89.8	0.1711	2	2	2	62.5	92.48		0.2	38600	44824	
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.2		12.2		12.2	0.0434	0.2	0.2	0.2	12.5	94.96			38600	44824	
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.2		12.2		12.2	0.0434	0.2	0.2	0.2	12.5	94.96		0	38600	44824	
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		99.4		99.4		99.4	0.1623	1	1	1	62.5	91.2			38600	44824	
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		99.5		99.5		99.5	0.1623	1	1	1	62.5	91.36		0.1	38600	44824	
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	<	0.171	<	2	<	2	0.1711	2	2	2	0				38600	44824	
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.0434	0.2	0.2	0.2	0				38600	44824	
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	<	0.162	<	1	<	1	0.1623	1	1	1	0				38600	44824	
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.7		11.7		11.7	0	0	0	0	12.5	93.6			38600	44824	
ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.36		2.36		2.36	0	0	0	0	2.5	94.4			38600	44824	
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.5		11.5		11.5	0	0	0	0	12.5	92			38600	44824	
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0	0	0	0	12.5	94.4			38600	44824	
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.38		2.38		2.38	0	0	0	0	2.5	95.2			38600	44824	
CCV (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		11.6		11.6		11.6	0	0	0	0	12.5	92.8			38600	44824	
MS (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6		0.00105		0.00105		0.00105	2.51E-05	0.0002	0.0002	0.0002	0.001	105			38590	44825	
LCSD (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6		0.00097		0.00097		0.00097	2.51E-05	0.0002	0.0002	0.0002	0.001	97		7.9	38590	44825	
MS (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6		0.00106		0.00106		0.00106	2.51E-05	0.0002	0.0002	0.0002	0.001	106			38590	44825	
MSD (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6		0.00104		0.00104		0.00104	2.51E-05	0.0002	0.0002	0.0002	0.001	104		1.9	38590	44825	
Method Blc	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	2.51E-05	0.0002	0.0002	0.0002	0				38590	44825	
ICV (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6		0.00097		0.00097		0.00097	2.51E-05	0.0002	0.0002	0.0002	0.001	97			38590	44825	
CCV (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc	7439-97-6		0.00101		0.00101		0.00101	2.51E-05	0.0002	0.0002	0.0002	0.001	101			38590	44825	
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2			38612	44835	
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2		0	38612	44835	
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.41		2.41		2.41	0.0434	0.2	0.2	0.2	2.5	96.4			38612	44835	
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.42		2.42		2.42	0.0434	0.2	0.2	0.2	2.5	96.8		0.4	38612	44835	
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.2		12.2		12.2	0.1623	1	1	1	12.5	97.6			38612	44835	
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.3		12.3		12.3	0.1623	1	1	1	12.5	98.4		0.8	38612	44835	
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		123		123		123	0.1711	2	2	2	62.5	94.72			38612	44835	
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		123		123		123	0.1711	2	2	2	62.5	94.72		0	38612	44835	
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.3		12.3		12.3	0.0434	0.2	0.2	0.2	12.5	95.28			38612	44835	
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.3		12.3		12.3	0.0434	0.2	0.2	0.2	12.5	95.28		0	38612	44835	
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		112		112		112	0.1623	1	1	1	62.5	92.16			38612	44835	
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		112		112		112	0.1623	1	1	1	62.5	92.16		0	38612	44835	
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	<	0.171	<	2	<	2	0.1711	2	2	2	0				38612	44835	
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.0434	0.2	0.2	0.2	0				38612	44835	
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	<	0.162	<	1	<	1	0.1623	1	1	1	0				38612	44835	
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0	0	0	0	12.5	94.4			38612	44835	
ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.38		2.38		2.38	0	0	0	0	2.5	95.2			38612	44835	
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.5		11.5		11.5	0	0	0	0	12.5	92			38612	44835	
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0	0	0	0	12.5	94.4			38612	44835	
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.38		2.38		2.38	0	0	0	0	2.5	95.2			38612	44835	
CCV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.6		11.6		11.6	0	0	0	0	12.5	92.8			38612	44835	
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2			38613	44836	
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2		0	38613	44836	
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.43		2.43		2.43	0.0434	0.2	0.2	0.2	2.5	97.2			38613	44836	
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.43		2.43		2.43	0.0434	0.2	0.2	0.2	2.5	97.2		0	38613	44836	
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.3		12.3		12.3	0.1623	1	1	1	12.5	98.4			38613	44836	
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.3		12.3		12.3	0.1623	1	1	1	12.5	98.4		0	38613	44836	
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		74.5		74.5		74.5	0.1711	2	2	2	62.5	94.56			38613	44836	
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		74.4		74.4		74.4	0.1711	2	2	2	62.5	94.4		0.1	38613	44836	
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.3		12.3		12.3	0.0434	0.2	0.2	0.2	12.5	95.2			38613	44836	
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.4		12.4		12.4	0.0434	0.2	0.2	0.2	12.5	96		0.8	38613	44836	
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		95.2		95.2		95.2	0.1623	1	1	1	62.5	94.24			38613	44836	
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		95		95		95	0.1623	1	1	1	62.5	93.92		0.2	38613	44836	
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	<	0.171	<	2	<	2	0.1711	2	2	2	0				38613	44836	
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.0434	0.2	0.2	0.2	0				38613	44836	
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	<	0.162	<	1	<	1	0.1623	1	1	1	0				38613	44836	
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0	0	0	0	12.5	94.4			38613	44836	
ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.39		2.39		2.39	0	0	0	0	2.5	95.6			38613	44836	
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.6		11.6		11.6	0	0	0	0	12.5	92.8			38613	44836	
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0	0	0	0	12.5	94.4			38613	44836	
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.4		2.4		2.4	0	0	0	0	2.5	96			38613	44836	
CCV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.6		11.6		11.6	0	0	0	0	12.5	92.8			38613	44836	
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		12		12		12	0.1711	2	2	2	12.5	96			38614	44837	
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2		0.8	38614	44837	
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.44		2.44		2.44	0.0434	0.2	0.2	0.2	2.5	97.6			38614	44837	
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.44		2.44		2.44	0.0434	0.2	0.2	0.2	2.5	97.6		0	38614	44837	
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.3		12.3		12.3	0.1623	1	1	1	12.5	98.4			38614	44837	
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.3		12.3		12.3	0.1623	1	1	1	12.5	98.4		0	38614	44837	
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		100		100		100	0.1711	2	2	2	62.5	95.84			38614	44837	
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		99.4		99.4		99.4	0.1711	2	2	2	62.5	94.88		0.6	38614	44837	
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.4		12.4		12.4	0.0434	0.2	0.2	0.2	12.5	96.48			38614	44837	
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.4		12.4		12.4	0.0434	0.2	0.2	0.2	12.5	96.48		0	38614	44837	
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		143		143		143	0.1623	1	1	1	62.5	92.8			38614	44837	
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		143		143		143	0.1623	1	1	1	62.5	92.8		0	38614	44837	
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	<	0.171	<	2	<	2	0.1711	2	2	2	0				38614	44837	
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.0434	0.2	0.2	0.2	0				38614	44837	
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	<	0.162	<	1	<	1	0.1623	1	1	1	0				38614	44837	
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.8		11.8		11.8	0	0	0	0	12.5	94.4			38614	44837	
ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.4		2.4		2.4	0	0	0	0	2.5	96			38614	44837	
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.6		11.6		11.6	0	0	0	0	12.5	92.8			38614	44837	
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0	0	0	0	12.5	95.2			38614	44837	
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.41		2.41		2.41	0	0	0	0	2.5	96.4			38614	44837	
CCV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		11.7		11.7		11.7	0	0	0	0	12.5	93.6			38614	44837	
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2			38615	44838	
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.9		11.9		11.9	0.1711	2	2	2	12.5	95.2		0	38615	44838	
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.42		2.42		2.42	0.0434	0.2	0.2	0.2	2.5	96.8			38615	44838	
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8		2.43		2.43		2.43	0.0434	0.2	0.2	0.2	2.5	97.2		0.4	38615	44838	
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.2		12.2		12.2	0.1623	1	1	1	12.5	97.6			38615	44838	
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8		12.3		12.3		12.3	0.1623	1	1	1	12.5	98.4		0.8	38615	44838	
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		70.4		70.4		70.4	0.1711	2	2	2	62.5	94.24			38615	44838	
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6		70.2		70.2		70.2	0.1711	2	2	2	62.5	93.92		0.3	38615	44838	
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.4		12.4		12.4	0.0434	0.2	0.2	0.2	12.5	95.84			38615	44838	
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8		12.4		12.4		12.4	0.0434	0.2	0.2	0.2	12.5	95.84		0	38615	44838	
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		104		104		104	0.1623	1	1	1	62.5	92.16			38615	44838	
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8		104		104		104	0.1623	1	1	1	62.5	92.16		0	38615	44838	
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	<	0.171	<	2	<	2	0.1711	2	2	2	0				38615	44838	
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	<	0.0434	<	0.2	<	0.2	0.0434	0.2	0.2	0.2	0				38615	44838	
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	<	0.162	<	1	<	1	0.1623	1	1	1	0				38615	44838	
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6		11.7		11.7		11.7	0	0	0	0	12.5	93.6			38615	44838	

ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.38	2.38	2.38	2.38	0	0	0	0	2.5	95.2		38615	44838
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	11.5	11.5	11.5	11.5	0	0	0	0	12.5	92		38615	44838
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	11.8	11.8	11.8	11.8	0	0	0	0	12.5	94.4		38615	44838
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.38	2.38	2.38	2.38	0	0	0	0	2.5	95.2		38615	44838
CCV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	11.6	11.6	11.6	11.6	0	0	0	0	12.5	92.8		38615	44838
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A	7.7	7.7	7.7	7.7	0	0	0	0	0		0.1	38616	44839
Sample 141	pH	E 150.1	s.u.	1 no	pH	N/A	7.69	7.69	7.69	7.69	0	0	0	0	0	0	0	38616	44839
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A	7.02	7.02	7.02	7.02					7	100.286		38616	44839
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A	6.96	6.96	6.96	6.96					7	99.4286		38616	44839
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A	7.84	7.84	7.84	7.84	0	0	0	0	0		0	38617	44840
Sample 141	pH	E 150.1	s.u.	1 no	pH	N/A	7.84	7.84	7.84	7.84	0	0	0	0	0	0	0	38617	44840
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A	7.01	7.01	7.01	7.01					7	100.143		38617	44840
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A	6.97	6.97	6.97	6.97					7	99.5714		38617	44840
Duplicate (	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	466	466	466	466	0	0	0	0	0		0.6	38619	44842
Sample 141	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	463	463	463	463	0	0	0	0	0	0	0	38619	44842
Method Blc	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	0	0	0	0					0			38619	44842
ICV (1)	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	1420	1420	1420	1420					1413	100.495		38619	44842
CCV (1)	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	1420	1420	1420	1420					1413	100.495		38619	44842
Duplicate (	pH	E 150.1	s.u.	1 no	pH	N/A	7.36	7.36	7.36	7.36	0	0	0	0	0		0.3	38647	44879
Sample 141	pH	E 150.1	s.u.	1 no	pH	N/A	7.38	7.38	7.38	7.38	0	0	0	0	0	0	0	38647	44879
ICV (1)	pH	E 150.1	s.u.	1 no	pH	N/A	7	7	7	7					7	100		38647	44879
CCV (1)	pH	E 150.1	s.u.	1 no	pH	N/A	6.96	6.96	6.96	6.96					7	99.4286		38647	44879
Duplicate (	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	330	330	330	330	0	0	0	0	0		0	38648	44880
Sample 141	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	330	330	330	330	0	0	0	0	0	0	0	38648	44880
Method Blc	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	0	0	0	0					0			38648	44880
ICV (1)	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	1420	1420	1420	1420					1413	100.495		38648	44880
CCV (1)	Conductivit	E 120.1	uMHOS/cr	1 no	Specific Co	N/A	1420	1420	1420	1420					1413	100.495		38648	44880
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	12	12	12	12	0.1711	2	2	2	12.5	96		38649	44881
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	12	12	12	12	0.1711	2	2	2	12.5	96	0	38649	44881
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.46	2.46	2.46	2.46	0.0434	0.2	0.2	0.2	2.5	98.4		38649	44881
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.43	2.43	2.43	2.43	0.0434	0.2	0.2	0.2	2.5	97.2	1.2	38649	44881
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	12.5	12.5	12.5	12.5	0.1623	1	1	1	12.5	100		38649	44881
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	12.4	12.4	12.4	12.4	0.1623	1	1	1	12.5	99.2	0.8	38649	44881
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6	72.9	72.9	72.9	72.9	0.1711	2	2	2	62.5	95.2		38649	44881
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6	72.9	72.9	72.9	72.9	0.1711	2	2	2	62.5	95.2	0	38649	44881
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8	12.5	12.5	12.5	12.5	0.0434	0.2	0.2	0.2	12.5	96.72		38649	44881
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8	12.5	12.5	12.5	12.5	0.0434	0.2	0.2	0.2	12.5	96.72	0	38649	44881
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8	105	105	105	105	0.1623	1	1	1	62.5	93.44		38649	44881
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8	105	105	105	105	0.1623	1	1	1	62.5	93.44	0	38649	44881
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	0.171 <	2 <	2 <	2	0.1711	2	2	2	0			38649	44881
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	0.0434 <	0.2 <	0.2 <	0.2	0.0434	0.2	0.2	0.2	0			38649	44881
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	0.162 <	1 <	1 <	1	0.1623	1	1	1	0			38649	44881
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	11.8	11.8	11.8	11.8	0	0	0	0	12.5	94.4		38649	44881
ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.4	2.4	2.4	2.4	0	0	0	0	2.5	96		38649	44881
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	11.6	11.6	11.6	11.6	0	0	0	0	12.5	92.8		38649	44881
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	11.9	11.9	11.9	11.9	0	0	0	0	12.5	95.2		38649	44881
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.4	2.4	2.4	2.4	0	0	0	0	2.5	96		38649	44881
CCV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	11.7	11.7	11.7	11.7	0	0	0	0	12.5	93.6		38651	44883
LCS (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	12	12	12	12	0.1711	2	2	2	12.5	96		38651	44883
LCSD (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	12	12	12	12	0.1711	2	2	2	12.5	96	0	38651	44883
LCS (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.44	2.44	2.44	2.44	0.0434	0.2	0.2	0.2	2.5	97.6		38651	44883
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.42	2.42	2.42	2.42	0.0434	0.2	0.2	0.2	2.5	96.8	0.8	38651	44883
LCS (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	12.4	12.4	12.4	12.4	0.1623	1	1	1	12.5	99.2		38651	44883
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	12.3	12.3	12.3	12.3	0.1623	1	1	1	12.5	98.4	0.8	38651	44883
MS (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6	117	117	117	117	0.1711	2	2	2	62.5	95.2		38651	44883
MSD (1)	Chloride (IC	E 300.0	mg/L	5 no	Chloride	16887-00-6	117	117	117	117	0.1711	2	2	2	62.5	95.2	0	38651	44883
MS (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8	12	12	12	12	0.0434	0.2	0.2	0.2	12.5	94.16		38651	44883
MSD (1)	Fluoride (IC	E 300.0	mg/L	5 no	Fluoride	16984-48-8	12	12	12	12	0.0434	0.2	0.2	0.2	12.5	94.16	0	38651	44883
MS (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8	207	207	207	207	0.1623	1	1	1	62.5	100.8		38651	44883
MSD (1)	SO4 (IC)	E 300.0	mg/L	5 no	Sulfate	14808-79-8	207	207	207	207	0.1623	1	1	1	62.5	100.8	0	38651	44883
Method Blc	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	0.171 <	2 <	2 <	2	0.1711	2	2	2	0			38651	44883
Method Blc	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	0.0434 <	0.2 <	0.2 <	0.2	0.0434	0.2	0.2	0.2	0			38651	44883
Method Blc	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	0.162 <	1 <	1 <	1	0.1623	1	1	1	0			38651	44883
ICV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	11.9	11.9	11.9	11.9	0	0	0	0	12.5	95.2		38651	44883
ICV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.4	2.4	2.4	2.4	0	0	0	0	2.5	96		38651	44883
ICV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	11.7	11.7	11.7	11.7	0	0	0	0	12.5	93.6		38651	44883
CCV (1)	Chloride (IC	E 300.0	mg/L	1 no	Chloride	16887-00-6	11.9	11.9	11.9	11.9	0	0	0	0	12.5	95.2		38651	44883
CCV (1)	Fluoride (IC	E 300.0	mg/L	1 no	Fluoride	16984-48-8	2.41	2.41	2.41	2.41	0	0	0	0	2.5	96.4		38651	44883
CCV (1)	SO4 (IC)	E 300.0	mg/L	1 no	Sulfate	14808-79-8	11.9	11.9	11.9	11.9	0	0	0	0	12.5	95.2		38651	44883
LCS (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4	0.127	0.127	0.127	0.127	0.0011	0.005	0.005	0.005	0.125	101.6		38637	44905
LCSD (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4	0.126	0.126	0.126	0.126	0.0011	0.005	0.005	0.005	0.125	100.8	0.8	38637	44905
LCS (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2	0.505	0.505	0.505	0.505	0.0026	0.005	0.005	0.005	0.5	101		38637	44905
LCSD (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2	0.494	0.494	0.494	0.494	0.0026	0.005	0.005	0.005	0.5	98.8	2.2	38637	44905
LCS (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3	1.02	1.02	1.02	1.02	0.0006	0.001	0.001	0.001	1	102		38637	44905
LCSD (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3	1.02	1.02	1.02	1.02	0.0006	0.001	0.001	0.001	1	102	0	38637	44905
LCS (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7	0.025	0.025	0.025	0.025	0.0011	0.002	0.002	0.002	0.025	100		38637	44905
LCSD (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7	0.0247	0.0247	0.0247	0.0247	0.0011	0.002	0.002	0.002	0.025	98.8	1.2	38637	44905
LCS (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9	0.252	0.252	0.252	0.252	0.0004	0.001	0.001	0.001	0.25	100.8		38637	44905
LCSD (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9	0.253	0.253	0.253	0.253	0.0004	0.001	0.001	0.001	0.25	101.2	0.4	38637	44905
LCS (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4	0.26	0.26	0.26	0.26	0.0004	0.001	0.001	0.001	0.25	104		38637	44905
LCSD (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4	0.262	0.262	0.262	0.262	0.0004	0.001	0.001	0.001	0.25	104.8	0.8	38637	44905
LCS (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3	0.103	0.103	0.103	0.103	0.0005	0.001	0.001	0.001	0.1	103		38637	44905
LCSD (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3	0.102	0.102	0.102	0.102	0.0005	0.001	0.001	0.001	0.1	102	1	38637	44905
LCS (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8	0.121	0.121	0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8		38637	44905
LCSD (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8	0.121	0.121	0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8	0	38637	44905
LCS (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0	0.256	0.256	0.256	0.256	0.0013	0.005	0.005	0.005	0.25	102.4		38637	44905
LCSD (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0	0.256	0.256	0.256	0.256	0.0013	0.005	0.005	0.005	0.25	102.4	0	38637	44905
LCS (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1	0.5	0.5	0.5	0.5	0.0036	0.005	0.005	0.005	0.5	100		38637	44905
LCSD (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1	0.498	0.498	0.498	0.498	0.0036	0.005	0.005	0.005	0.5	99.6	0.4	38637	44905
LCS (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0	0.253	0.253	0.253	0.253	0.0047	0.006	0.006	0.006	0.25	101.2		38637	44905
LCSD (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0	0.254	0.254	0.254	0.254	0.0047	0.006	0.006	0.006	0.25	101.6	0.4	38637	44905
LCS (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2	0.449	0.449	0.449	0.449	0.0066	0.01	0.01	0.01	0.5	89.8		38637	44905
LCSD (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2	0.455	0.455	0.455	0.455	0.0066	0.01	0.01	0.01	0.5	91	1.3	38637	44905
LCS (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5	0.311	0.311	0.311	0.311	0.0032	0.025	0.025	0.025	0.3	103.667		38637	44905
LCSD (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5	0.311	0.311	0.311	0.311	0.0032	0.025	0.025	0.025	0.3	103.667	0	38637	44905
LCS (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0	0.543	0.543	0.543	0.543	0.0021	0.0021	0.0021	0.0021	0.5	108.6		38637	44905
LCSD (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0	0.552	0.552	0.552	0.552	0.0021	0.0021	0.0021	0.0021	0.5	110.4	1.6	38637	44905
LCS (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2	0.238	0.238	0.238	0.238	0.0005	0.005	0.005	0.005	0.25	95.2		38637	44905
LCSD (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2	0.239	0.239	0.239	0.239	0.0005	0.005	0.005	0.005	0.25	95.6	0.4	38637	44905
LCS (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6	0.243	0.243	0.243	0.243	0.0021	0.005	0.005	0.005	0.25	97.2		38637	44905
LCSD (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6	0.243	0.243	0.243	0.243	0.0021	0.005	0.005	0.005	0.25	97.2	0	38637	44905
MS (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4	0.125	0.125	0.125	0.125	0.0011	0.005	0.005	0.005	0.125	100		38637	44905
MSD (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4	0.127	0.127	0.127	0.127	0.0011	0.005	0.005	0.005	0.125	101.6	1.6	38637	44905
MS (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2	0.509	0.509	0.509	0.509	0.0026	0.005	0.005	0.005	0.5	101.8		38637	44905
MSD (1)	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2	0.517	0.517	0.517	0.517	0.0026	0.005	0.005	0.005	0.5	103.4	1.6	38637	44905
MS (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3	1.02	1.02	1.02	1.02	0.0006	0.001	0.001	0.001	1	100		38637	44905
MSD (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3	1.02	1.02	1.02	1.02	0.0006	0.001	0.001	0.001	1	100	0	38637	44905
MS (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7	0.024	0.024	0.024	0.024	0.0011	0.002	0.002	0.002	0.025	96		38637	44905
MSD (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7	0.026	0.026	0.026	0.026	0.0011	0.002	0.002	0.002	0.025	104	8	38637	44905
MS (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9	0.252	0.252	0.252	0.252	0.0004	0.001	0.001	0.001	0.25	100.8		38637	44905
MSD (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9	0.253	0.253	0.253	0.253	0.0004	0.001	0.001	0.001	0.25	101.2	0.4	38637	44905
MS (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4	0.263	0.263	0.263	0.263	0.0004	0.001	0.001	0.001	0.25	105.2		38637	44905
MSD (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4	0.264	0.264	0.264	0.264	0.0004	0.001	0.001	0.001	0.25	105.6	0.4	38637	44905
MS (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3	0.101	0.101	0.101	0.101	0.0005	0.001	0.001	0.001	0.1	101		38637	44905
MSD (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3	0.101	0.101	0.101	0.101	0.0005	0.001	0.001	0.001	0.1	101	0	38637	44905
MS (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8	0.12	0.12	0.12	0.12	0.0009	0.005	0.005	0.005	0.125	96		38637	44905
MSD (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp	7440-50-8	0.121	0.121	0.121	0.121	0.0009	0.005	0.005	0.005	0.125	96.8	0.8	38637	44905
MS (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0	0.253	0.253	0.253	0.253	0.0013	0.005	0.005	0.005	0.25	101.2		38637	44905
MSD (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke	7440-02-0	0.266	0.266	0.266	0.266	0.0013	0.005	0.005	0.005	0.25	106.4	5	38637	44905
MS (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1	0.511	0.511	0.511	0.511	0.0036	0.005	0.005	0.005	0.5	102.2		38637	44905
MSD (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead	7439-92-1	0.514	0.514	0.514	0.514	0.0036	0.005	0.005	0.005	0.5	102.8	0.6	38637	44905
MS (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0	0.261	0.261	0.261	0.261	0.0047	0.006	0.006	0.006	0.25	104.4		38637	44905
MSD (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin	7440-36-0	0.258	0.258	0.258	0.258	0.0047	0.006	0.006	0.006	0.25	103.2	1.2	38637	44905
MS (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2	0.43	0.43	0.43	0.43	0.0066	0.01	0.01	0.01	0.5	86		38637	44905
MSD (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen	7782-49-2	0.433	0.433	0.433	0.433	0.0066	0.01	0.01	0.01	0.5	86.6	0.7	38637	44905
MS (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5	0.318	0.318	0.318	0.318	0.0032	0.025	0.025	0.025	0.3	106		38637	44905
MSD (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin	7440-31-5	0.312	0.312	0.312	0.312	0.0032	0.025	0.025	0.025	0.3	104	1.9	38637	44905
MS (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0	0.516	0.516	0.516	0.516	0.0021	0.0021	0.0021	0.0021	0.5	103.2		38637	44905
MSD (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli	7440-28-0	0.527	0.527	0.527	0.527	0.0021	0.0021	0.0021	0.0021	0.5	105.4	2.1	38637	44905
MS (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2	0.246	0.246	0.246	0.246	0.0005	0.005	0.005	0.005	0.25	98.4		38637	44905
MSD (1)	V, Total	S 6010B	mg/L	1 no	Total Vana	7440-62-2	0.249	0.249	0.249	0.249	0.0005	0.005	0.005	0.005	0.25	99.6	1.2	38637	44905
MS (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6	0.248	0.248	0.248	0.248	0.0021	0.005	0.005	0.005	0.25	84.8		38637	44905
MSD (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc	7440-66-6	0.248	0.248	0.248	0.248	0.0021	0.005	0.005	0.005	0.25	84.8	0	38637	44905
Method Blc	Ag, Total	S 6010B	mg/L	1 no	Total Silver	7440-22-4	0.0011 <	0.005 <	0.005 <	0.005	0.0011	0.005	0.005	0.005	0			38637	44905
Method Blc	As, Total	S 6010B	mg/L	1 no	Total Arser	7440-38-2	0.0026 <	0.005 <	0.005 <	0.005	0.0026	0.005	0.005	0.005	0			38637	44905
Method Blc	Ba, Total	S 6010B	mg/L	1 no	Total Bariu	7440-39-3	0.0006 <	0.001 <	0.001 <	0.001	0.0006	0.001	0.001	0.001	0			38637	44905
Method Blc	Be, Total	S 6010B	mg/L	1 no	Total Beryl	7440-41-7	0.0011 <	0.002 <	0.002 <	0.002	0.0011	0.002	0.002	0.002	0			38637	44905
Method Blc	Cd, Total	S 6010B	mg/L	1 no	Total Cadm	7440-43-9	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38637	44905
Method Blc	Co, Total	S 6010B	mg/L	1 no	Total Cobal	7440-48-4	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38637	44905
Method Blc	Cr, Total	S 6010B	mg/L	1 no	Total Chro	7440-47-3	0.0005 <	0.001 <	0.001 <	0.001	0.0005	0.001	0.001	0.001	0			38637	44905

Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			38637	44905
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			38637	44905
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			38637	44905
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			38637	44905
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			38637	44905
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			38637	44905
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			38637	44905
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			38637	44905
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			38637	44905
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.126		0.126		0.126	0.126	0	0	0	0	0.125	100.8		38637	44905
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38637	44905
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.995		0.995		0.995	0.995	0	0	0	0	1	99.5		38637	44905
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38637	44905
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.982		0.982		0.982	0.982	0	0	0	0	1	98.2		38637	44905
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.985		0.985		0.985	0.985	0	0	0	0	1	98.5		38637	44905
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.977		0.977		0.977	0.977	0	0	0	0	1	97.7		38637	44905
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.988		0.988		0.988	0.988	0	0	0	0	1	98.8		38637	44905
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.02		1.02		1.02	1.02	0	0	0	0	1	102		38637	44905
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.996		0.996		0.996	0.996	0	0	0	0	1	99.6		38637	44905
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.901		0.901		0.901	0.901	0	0	0	0	1	90.1		38637	44905
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.992		0.992		0.992	0.992	0	0	0	0	1	99.2		38637	44905
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.989		0.989		0.989	0.989	0	0	0	0	1	98.9		38637	44905
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.02		1.02		1.02	1.02	0	0	0	0	1	102		38637	44905
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.98		0.98		0.98	0.98	0	0	0	0	1	98		38637	44905
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.969		0.969		0.969	0.969	0	0	0	0	1	96.9		38637	44905
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.117		0.117		0.117	0.117	0	0	0	0	0.125	93.6		38637	44905
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.927		0.927		0.927	0.927	0	0	0	0	1	92.7		38637	44905
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.926		0.926		0.926	0.926	0	0	0	0	1	92.6		38637	44905
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.922		0.922		0.922	0.922	0	0	0	0	1	92.2		38637	44905
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.905		0.905		0.905	0.905	0	0	0	0	1	90.5		38637	44905
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.907		0.907		0.907	0.907	0	0	0	0	1	90.7		38637	44905
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.902		0.902		0.902	0.902	0	0	0	0	1	90.2		38637	44905
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.905		0.905		0.905	0.905	0	0	0	0	1	90.5		38637	44905
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.945		0.945		0.945	0.945	0	0	0	0	1	94.5		38637	44905
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.926		0.926		0.926	0.926	0	0	0	0	1	92.6		38637	44905
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.914		0.914		0.914	0.914	0	0	0	0	1	91.4		38637	44905
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.904		0.904		0.904	0.904	0	0	0	0	1	90.4		38637	44905
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.91		0.91		0.91	0.91	0	0	0	0	1	91		38637	44905
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.938		0.938		0.938	0.938	0	0	0	0	1	93.8		38637	44905
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.916		0.916		0.916	0.916	0	0	0	0	1	91.6		38637	44905
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.918		0.918		0.918	0.918	0	0	0	0	1	91.8		38637	44905
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0		0	38688	44930
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0		0	38688	44930
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		74		74		74	74	4	4	4	4	0		2.7	38688	44930
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		74		74		74	74	2.38	4	4	4	0		2.7	38688	44930
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	38688	44930
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	38688	44930
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		72		72		72	72	4	4	4	4	0	0	0	38688	44930
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		72		72		72	72	2.38	4	4	4	0	0	0	38688	44930
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38688	44930
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38688	44930
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A	<	4	<	4	<	4	4	4	4	4	4	0			38688	44930
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A	<	2.38	<	4	<	4	4	2.38	4	4	4	0			38688	44930
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38688	44930
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		240		240		240	240	1	1	1	1	0			38688	44930
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		8		8		8	8	4	4	4	4	0			38688	44930
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		248		248		248	248	2.38	4	4	4	250	99.2		38688	44930
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			38688	44930
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		228		228		228	228	1	1	1	1	0			38688	44930
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		12		12		12	12	4	4	4	4	0			38688	44930
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		240		240		240	240	2.38	4	4	4	250	96		38688	44930
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.7		4.7		4.7	4.7	0.56	1	1	1	5	94		38721	44963
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.84		4.84		4.84	4.84	0.56	1	1	1	5	96.8	2.9	38721	44963
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.7		4.7		4.7	4.7	0.56	1	1	1	5	94		38721	44963
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.84		4.84		4.84	4.84	0.56	1	1	1	5	96.8	2.9	38721	44963
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	1	0.56	1	1	1	0			38721	44963
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		5.57		5.57		5.57	5.57	0.56	1	1	1	5	111.4		38721	44963
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.84		4.84		4.84	4.84	0.56	1	1	1	5	96.8		38721	44963
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.96		4.96		4.96	4.96	0.56	1	1	1	5	99.2		38722	44964
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.76		4.76		4.76	4.76	0.56	1	1	1	5	95.2	4.1	38722	44964
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.73		4.73		4.73	4.73	0.56	1	1	1	5	94.6		38722	44964
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.31		4.31		4.31	4.31	0.56	1	1	1	5	86.2	9.3	38722	44964
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	1	0.56	1	1	1	0			38722	44964
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		5.1		5.1		5.1	5.1	0.56	1	1	1	5	102		38722	44964
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.45		4.45		4.45	4.45	0.56	1	1	1	5	89		38722	44964
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.84		4.84		4.84	4.84	0.56	1	1	1	5	96.8		38723	44965
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.65		4.65		4.65	4.65	0.56	1	1	1	5	93	4	38723	44965
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.12		4.12		4.12	4.12	0.56	1	1	1	5	82.4		38723	44965
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.4		4.4		4.4	4.4	0.56	1	1	1	5	88	6.6	38723	44965
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	1	0.56	1	1	1	0			38723	44965
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.45		4.45		4.45	4.45	0.56	1	1	1	5	89		38723	44965
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		5.15		5.15		5.15	5.15	0.56	1	1	1	5	103		38723	44965
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00102		0.00102		0.00102	0.00102	2.51E-05	0.0002	0.0002	0.0002	0.001	102		38738	44979
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00095		0.00095		0.00095	0.00095	2.51E-05	0.0002	0.0002	0.0002	0.001	95	7.1	38738	44979
MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00105		0.00105		0.00105	0.00105	2.51E-05	0.0002	0.0002	0.0002	0.001	105		38738	44979
MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00103		0.00103		0.00103	0.00103	2.51E-05	0.0002	0.0002	0.0002	0.001	103	1.9	38738	44979
Method Bl	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38738	44979
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.0002	0.001	94		38738	44979
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00099		0.00099		0.00099	0.00099	2.51E-05	0.0002	0.0002	0.0002	0.001	99		38738	44979
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.127		0.127		0.127	0.127	0.0011	0.005	0.005	0.005	0.125	101.6		38732	45003
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.128		0.128		0.128	0.128	0.0011	0.005	0.005	0.005	0.125	102.4	0.8	38732	45003
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.505		0.505		0.505	0.505	0.0026	0.005	0.005	0.005	0.5	101		38732	45003
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.515		0.515		0.515	0.515	0.0026	0.005	0.005	0.005	0.5	103	2	38732	45003
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.03		1.03		1.03	1.03	0.0006	0.001	0.001	0.001	1	103		38732	45003
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.05		1.05		1.05	1.05	0.0006	0.001	0.001	0.001	1	105	1.9	38732	45003
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0254		0.0254		0.0254	0.0254	0.0011	0.002	0.002	0.002	0.025	101.6		38732	45003
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0256		0.0256		0.0256	0.0256	0.0011	0.002	0.002	0.002	0.025	102.4	0.8	38732	45003
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.26		0.26		0.26	0.26	0.0004	0.001	0.001	0.001	0.25	104		38732	45003
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.264		0.264		0.264	0.264	0.0004	0.001	0.001	0.001	0.25	105.6	1.5	38732	45003
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.268		0.268		0.268	0.268	0.0004	0.001	0.001	0.001	0.25	107.2		38732	45003
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.273		0.273		0.273	0.273	0.0004	0.001	0.001	0.001	0.25	109.2	1.8	38732	45003
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.104		0.104		0.104	0.104	0.0005	0.001	0.001	0.001	0.1	104		38732	45003
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.106		0.106		0.106	0.106	0.0005	0.001	0.001	0.001	0.1	106	1.9	38732	45003
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.123		0.123		0.123	0.123	0.0009	0.005	0.005	0.005	0.125	98.4		38732	45003
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.125		0.125		0.125	0.125	0.0009	0.005	0.005	0.005	0.125	100	1.6	38732	45003
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.264		0.264		0.264	0.264	0.0013	0.005	0.005	0.005	0.25	105.6		38732	45003
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.269		0.269		0.269	0.269	0.0013	0.005	0.005	0.005	0.25	107.6	1.9	38732	45003
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.508		0.508		0.508	0.508	0.0036	0.005	0.005	0.005	0.5	101.6		38732	45003
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.499		0.499		0.499	0.499	0.0036	0.005	0.005	0.005	0.5	99.8	1.8	38732	45003
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.254		0.254		0.254	0.254	0.0047	0.006	0.006	0.006	0.25	101.6		38732	45003
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.269		0.269		0.269	0.269	0.0047	0.006	0.006	0.006	0.25	107.6	5.7	38732	45003
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.462		0.462		0.462	0.462	0.0066	0.01	0.01	0.01	0.5	92.4		38732	45003
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.49		0.49		0.49	0.49	0.0066	0.01	0.01	0.01	0.5	98	5.9	38732	45003
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.318		0.318		0.318	0.318	0.0032	0.025	0.025	0.025	0.3	106		38732	45003
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.323		0.323		0.323	0.323	0.0032	0.025	0.025	0.025	0.3	107.667	1.6	38732	45003
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.535		0.535		0.535	0.535	0.0021	0.0021	0.0021	0.0021	0.5	107		38732	45003
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.558		0.558		0.558	0.558	0.0021	0.0021	0.0021	0.0021	0.5	111.6	4.2	38732	45003
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.234		0.234		0.234	0.234	0.0005	0.005	0.005	0.005	0.25	93.6		38732	45003
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.236		0.236		0.236	0.236	0.0005	0.005	0.005	0.005	0.25	94.4	0.8	38732	45003
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.252		0.252		0.252	0.252	0.0021	0.005	0.005	0.005	0.25	100.8		38732	45003
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.256		0.256		0.256	0.256	0.0021	0.005	0.005	0.005	0.25	102.4	1.6	38732	45003
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.118		0.118		0.118	0.118	0.0011	0.005	0.005	0.005	0.125	94.4		38732	45003
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.123		0.123		0.123	0.123	0.0011	0.005	0.005	0.005	0.125	98.4	4.1	38732	45003
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.464		0.464		0.464	0.464	0.0026	0.005	0.005	0.005	0.5	92.8		38732	45003
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.467		0.467		0.467	0.467	0.0026	0.005	0.005	0.005	0.5	93.4	0.6	38732	45003
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.835		0.835		0.835	0.835	0.0006	0.001	0.001	0.001	1	83.5		38732	45003
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.869		0.869		0.869	0.869	0.0006	0.001	0.001	0.001	1	86.9	4	38732	45003
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.02		0.02		0.02	0.02	0.0011	0.002	0.002	0.002	0.025	80		38732	45003
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0195		0.0195		0.0195	0.0195	0.0011	0.002	0.002	0.002	0.025	78	2.5	38732	45003
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.195		0.195		0.195	0.195	0.0004	0.001	0.001	0.001	0.25	78		38732	45003
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.198		0.198		0.198	0.198	0.0004	0.001	0.001	0.001	0.25	79.2	1.5	38732	45003
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.191		0.191		0.191	0.191	0.0004	0.001	0.001	0.001	0.25	76.4		38732	45003
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.201		0.201		0.201	0.201	0.0004	0.001	0.001	0.001	0.25	80.4	5.1	38732	45003
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.086		0.086		0.086	0.086	0.0005	0.001	0.001	0.001	0.1	86		38732	45003
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.088		0.088		0.088	0.088	0.0005	0.001	0.001	0.001	0.1	88	2.3	38732	45003
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.111		0.111		0.111	0.111	0.0009	0.005	0.005	0.005	0.125	85.6		38732	45003
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.118		0.118		0.118	0.118	0.0009	0.005	0.005	0.005	0.125	91.2	6.1	38732	45003
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.184		0.184		0.184	0.184	0.0013	0.005	0.005	0.005	0.25	73.6		38732	45003
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.196		0.196		0.196	0.196	0.0013	0.005	0.005	0.005	0.25	78.4	6.3	38732	45003
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.454		0.454		0.454	0.454	0.0036	0.005	0.005	0.005	0.5	90.8		38732	45003

MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.486		0.486		0.486		0.486	0.0036	0.005	0.005	0.005	0.5	97.2	6.8	38732	45003	
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.228		0.228		0.228		0.228	0.0047	0.006	0.006	0.006	0.25	91.2		38732	45003	
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.222		0.222		0.222		0.222	0.0047	0.006	0.006	0.006	0.25	88.8	2.7	38732	45003	
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.437		0.437		0.437		0.437	0.0066	0.01	0.01	0.01	0.5	87.4		38732	45003	
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.446		0.446		0.446		0.446	0.0066	0.01	0.01	0.01	0.5	89.2	2	38732	45003	
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.252		0.252		0.252		0.252	0.0032	0.025	0.025	0.025	0.3	84		38732	45003	
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.256		0.256		0.256		0.256	0.0032	0.025	0.025	0.025	0.3	85.3333	1.6	38732	45003	
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.396		0.396		0.396		0.396	0.0021	0.0021	0.0021	0.0021	0.5	79.2		38732	45003	
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.409		0.409		0.409		0.409	0.0021	0.0021	0.0021	0.0021	0.5	81.8	3.2	38732	45003	
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.188		0.188		0.188		0.188	0.0005	0.005	0.005	0.005	0.25	75.2		38732	45003	
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.199		0.199		0.199		0.199	0.0005	0.005	0.005	0.005	0.25	79.6	5.7	38732	45003	
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.227		0.227		0.227		0.227	0.0021	0.005	0.005	0.005	0.25	90.8		38732	45003	
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.228		0.228		0.228		0.228	0.0021	0.005	0.005	0.005	0.25	91.2	0.4	38732	45003	
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	<	0.005	0.0011	0.005	0.005	0.005	0			38732	45003	
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	<	0.005	0.0026	0.005	0.005	0.005	0			38732	45003	
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	<	0.001	0.0006	0.001	0.001	0.001	0			38732	45003	
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	<	0.002	0.0011	0.002	0.002	0.002	0			38732	45003	
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38732	45003	
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	<	0.001	0.0004	0.001	0.001	0.001	0			38732	45003	
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	<	0.001	0.0005	0.001	0.001	0.001	0			38732	45003	
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005	0.005	0			38732	45003	
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	<	0.005	0.0013	0.005	0.005	0.005	0			38732	45003	
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	<	0.005	0.0036	0.005	0.005	0.005	0			38732	45003	
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	<	0.006	0.0047	0.006	0.006	0.006	0			38732	45003	
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	<	0.01	0.0066	0.01	0.01	0.01	0			38732	45003	
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	<	0.025	0.0032	0.025	0.025	0.025	0			38732	45003	
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0			38732	45003	
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	<	0.005	0.0005	0.005	0.005	0.005	0			38732	45003	
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	<	0.005	0.0021	0.005	0.005	0.005	0			38732	45003	
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.126		0.126		0.126		0.126	0	0	0	0	0.125	100.8		38732	45003	
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38732	45003	
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38732	45003	
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38732	45003	
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38732	45003	
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38732	45003	
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38732	45003	
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38732	45003	
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38732	45003	
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38732	45003	
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.95		0.95		0.95		0.95	0	0	0	0	1	95		38732	45003	
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.07		1.07		1.07		1.07	0	0	0	0	1	107		38732	45003	
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38732	45003	
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.04		1.04		1.04		1.04	0	0	0	0	1	104		38732	45003	
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		1		1		1		1	0	0	0	0	1	100		38732	45003	
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1		1		1		1	0	0	0	0	1	100		38732	45003	
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.127		0.127		0.127		0.127	0	0	0	0	0.125	101.6		38732	45003	
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38732	45003	
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.07		1.07		1.07		1.07	0	0	0	0	1	107		38732	45003	
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.02		1.02		1.02		1.02	0	0	0	0	1	102		38732	45003	
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38732	45003	
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38732	45003	
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.05		1.05		1.05		1.05	0	0	0	0	1	105		38732	45003	
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38732	45003	
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38732	45003	
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38732	45003	
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.01		1.01		1.01		1.01	0	0	0	0	1	101		38732	45003	
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38732	45003	
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38732	45003	
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.03		1.03		1.03		1.03	0	0	0	0	1	103		38732	45003	
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		1.06		1.06		1.06		1.06	0	0	0	0	1	106		38732	45003	
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.08		1.08		1.08		1.08	0	0	0	0	1	108		38732	45003	
LCS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.124		0.124		0.124		0.124	0.0103	0.015	0.015	0.015	0.12	103.333		38775	45025	
LCSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.121		0.121		0.121		0.121	0.0103	0.015	0.015	0.015	0.12	100.833	2.4	38775	45025	
MS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.119		0.119		0.119		0.119	0.0103	0.015	0.015	0.015	0.12	99.1667		38775	45025	
MSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.109		0.109		0.109		0.109	0.0103	0.015	0.015	0.015	0.12	90.8333	8.8	38775	45025	
Method Bl	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0			38775	45025	
ICV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.124		0.124		0.124		0.124	0	0	0	0	0.12	103.333		38775	45025	
CCV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.121		0.121		0.121		0.121	0	0	0	0	0.12	100.833		38775	45025	
LCS (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.124		0.124		0.124		0.124	0.000829	0.01	0.01	0.01	0.12	103.333		38776	45026	
LCSD (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.121		0.121		0.121		0.121	0.000829	0.01	0.01	0.01	0.12	100.833	2.4	38776	45026	
Method Bl	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0			38776	45026	
ICV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.124		0.124		0.124		0.124	0.000829	0.01	0.01	0.01	0.12	103.333		38776	45026	
CCV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.121		0.121		0.121		0.121	0.000829	0.01	0.01	0.01	0.12	100.833		38776	45026	
LCS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.126		0.126		0.126		0.126	0.0103	0.015	0.015	0.015	0.12	105		38777	45027	
LCSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.124		0.124		0.124		0.124	0.0103	0.015	0.015	0.015	0.12	103.333	1.6	38777	45027	
MS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.094		0.094		0.094		0.094	0.0103	0.015	0.015	0.015	0.12	78.3333		38777	45027	
MSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.107		0.107		0.107		0.107	0.0103	0.015	0.015	0.015	0.12	89.1667	12.9	38777	45027	
Method Bl	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5	<	0.0103	<	0.015	<	0.015	<	0.015	0.0103	0.015	0.015	0.015	0			38777	45027	
ICV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.121		0.121		0.121		0.121	0	0	0	0	0.12	100.833		38777	45027	
CCV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyani	57-12-5		0.127		0.127		0.127		0.127	0	0	0	0	0.12	105.833		38777	45027	
LCS (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.126		0.126		0.126		0.126	0.000829	0.01	0.01	0.01	0.12	105		38778	45028	
LCSD (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.124		0.124		0.124		0.124	0.000829	0.01	0.01	0.01	0.12	103.333	1.6	38778	45028	
Method Bl	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829	<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01	0.01	0			38778	45028	
ICV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.121		0.121		0.121		0.121	0.000829	0.01	0.01	0.01	0.12	100.833		38778	45028	
CCV (1)	Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.127		0.127		0.127		0.127	0.000829	0.01	0.01	0.01	0.12	105.833		38778	45028	
Duplicate (	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		198		198		198		198	5	0	5	5	0		11.4	38787	45039	
Sample 147	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		222		222		222		222	5	0	5	5	0	0	0	38787	45039	
Method Bl	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	<	5		0	<	5	<	5	5		5	5	0			38787	45039	
ICV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		998		998		998		998	5	0	5	5	1000	99.8		38787	45039	
CCV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		996		996		996		996	5	0	5	5	1000	99.6		38787	45039	
Duplicate (	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		298		298		298		298	5	0	5	5	0		0.7	38788	45040	
Sample 148	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		296		296		296		296	5	0	5	5	0	0	0	38788	45040	
Method Bl	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	<	5		0	<	5	<	5	5		5	5	0			38788	45040	
ICV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		989		989		989		989	5	0	5	5	1000	98.9		38788	45040	
CCV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		1020		1020		1020		1020	5	0	5	5	1000	102		38788	45040	
Duplicate (	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		562		562		562		562	5	0	5	5	0		5.9	38789	45041	
Sample 148	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		530		530		530		530	5	0	5	5	0	0	0	38789	45041	
Method Bl	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	<	5		0	<	5	<	5	5		5	5	0			38789	45041	
ICV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		979		979		979		979	5	0	5	5	1000	97.9		38789	45041	
CCV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A		976		976		976		976	5	0	5	5	1000	97.6		38789	45041	
LCS (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.157		0.157		0.157		0.157	0.0124	0.1	0.1	0.1	0.16	98.125		38790	45042	
LCSD (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.139		0.139		0.139		0.139	0.0124	0.1	0.1	0.1	0.16	86.875	12.2	38790	45042	
MS (1)	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			5.9		5.9		5.9		5.9	0.0124	0.1	0.1	0.1	0.16	-12.5		38790	45042	Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under contro
MSD (1)	Nitrate and	E 353.3	mg/L	25	no	Nitrate and Nitrite as N			5.7		5.7		5.7		5.7	0.0124	0.1	0.1	0.1	0.16	-137.5	3.4	38790	45042	Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under contro
Method Bl	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		<	0.0124	<	0.1	<	0.1	<	0.1	0.0124	0.1	0.1	0.1	0			38790	45042	
ICV (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.152		0.152		0.152		0.152	0.0124	0.1	0.1	0.1	0.16	95		38790	45042	
CCV (1)	Nitrate and	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.173		0.173		0.173		0.173	0.0124	0.1	0.1	0.1	0.16	108.125		38790	45042	
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.65		4.65		4.65		4.65	0.56	1	1	1	5	93		38814	45070	
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.9		4.9		4.9		4.9	0.56	1	1	1	5	98	5.2	38814	45070	
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		6.78		6.78		6.78		6.78	0.56	1	1	1	5	135.6		38814	45070	Matrix spikes were above curve. Use LCS/LCSD to show method in control. (special
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		5.82		5.82		5.82		5.82	0.56	1	1	1	5	116.4	15.2	38814	45070	Matrix spikes were above curve. Use LCS/LCSD to show method in control. (special
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	<	1	0.56	1	1	1	0			38814	45070	
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.54		4.54		4.54		4.54	0.56	1	1	1	5	90.8		38814	45070	
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		5.24		5.24		5.24		5.24	0.56	1	1	1	5	104.8		38814	45070	
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.133		0.133		0.133		0.133	0.0011	0.005	0.005	0.005	0.125	106.4		38883	45169	
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.134		0.134		0.134		0.134	0.0011	0.005	0.005	0.005	0.125	107.2	0.7	38883	45169	
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.505		0.505		0.505		0.505	0.0026	0.005	0.005	0.005	0.5	101		38883	45169	
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.537		0.537		0.537		0.537	0.0026	0.005	0.005	0.005	0.5	107.4	6.1	38883	45169	
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.1		1.1		1.1		1.1	0.0006	0.001	0.001	0.001	1	110		38883	45169	
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.1		1.1		1.1		1.1	0.0006	0.001	0.001	0.001	1	110	0	38883	45169	
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.025		0.025		0.025		0.025	0.0011	0.002	0.002	0.002	0.025	100		38883	45169	
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.026		0.026		0.026		0.026	0.0011	0.002	0.002	0.002	0.025	104	3.9	38883	45169	
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.278		0.278		0.278		0.278	0.0004	0.001	0.001	0.001	0.25	111.2		38883	45169	
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.277		0.277		0.277		0.277	0.0004	0.001	0.001	0.001	0.25	110.8	0.4	38883	45169	
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.279		0.279		0.279		0.279	0.0004	0.001	0.001	0.001	0.25	111.6		38883	45169	
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.282		0.282		0.282		0.282	0.0004	0.001	0.001	0.001	0.25	112.8	1.1	38883	45169	
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.112		0.112		0.112		0.112	0.0005	0.001	0.001	0.001	0.1	112		38883	45169	
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.111		0.111		0.111		0.111	0.0005	0.001	0.001	0.001	0.1	111	0.9	38883	45169	
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.131		0.131		0.131		0.131	0.0009	0.005	0.005	0.005	0.125	104.8		38883	45169	
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.131		0.131		0.131		0.131	0.0009	0.005	0.005	0.005	0.125	104.8	0	38883	45169	
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.27		0.27		0.27		0.27	0.0013	0.005	0.005	0.005	0.25	108		38883	45169	
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.277		0.277		0.277		0.277	0.0013	0.005	0.005	0.005	0.25	110.8	2.6	38883	45169	
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.526		0.526		0.526		0.526	0.0036	0.005	0.005	0.005	0.5	105.2		38883	45169	
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.535		0.535		0.535		0.535	0.0036	0.005	0.005	0.005	0.5	107	1.7	38883	45169	
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.278		0.278		0.278		0.278	0.0047	0.006	0.006	0.006	0.25	111.2		38883	45169	
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.269		0.269		0.269		0.269	0.0047	0.006	0.006	0.006	0.25	107.6	3.3	38883	45169	
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.46		0.46		0.46		0.46	0.0066	0.01	0.01	0.01	0.5	92		38883	45169	
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.477		0.477		0.477		0.477	0.0066	0.01	0.01	0.01	0.5	95.4	3.6	38883	45169	
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.339		0.339		0.339		0.339	0.0032	0.025	0.025	0.025	0.3	113		38883	45169	
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.327		0.327		0.327		0.327	0.0032	0.025	0.025	0.025	0.3	109	3.6	38883	45169	

LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli 7440-28-0		0.509		0.509		0.509	0.509	0.0021	0.0021	0.0021	0.5	101.8			38883	45169			
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli 7440-28-0		0.513		0.513		0.513	0.513	0.0021	0.0021	0.0021	0.5	102.6	0.8		38883	45169			
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana 7440-62-2		0.256		0.256		0.256	0.256	0.0005	0.005	0.005	0.25	102.4			38883	45169			
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana 7440-62-2		0.257		0.257		0.257	0.257	0.0005	0.005	0.005	0.25	102.8	0.4		38883	45169			
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc 7440-66-6		0.261		0.261		0.261	0.261	0.0021	0.005	0.005	0.25	104.4			38883	45169			
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc 7440-66-6		0.261		0.261		0.261	0.261	0.0021	0.005	0.005	0.25	104.4	0		38883	45169			
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver 7440-22-4	<	0.0011	<	0.005	<	0.005	0.005	0.0011	0.005	0.005	0.005	0			38883	45169			
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser 7440-38-2	<	0.0026	<	0.005	<	0.005	0.005	0.0026	0.005	0.005	0.005	0			38883	45169			
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu 7440-39-3	<	0.0006	<	0.001	<	0.001	0.001	0.0006	0.001	0.001	0.001	0			38883	45169			
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl 7440-41-7	<	0.0011	<	0.002	<	0.002	0.002	0.0011	0.002	0.002	0.002	0			38883	45169			
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm 7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38883	45169			
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal 7440-48-4	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			38883	45169			
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chro 7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			38883	45169			
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp 7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			38883	45169			
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke 7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			38883	45169			
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead 7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			38883	45169			
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin 7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			38883	45169			
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen 7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			38883	45169			
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin 7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			38883	45169			
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli 7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			38883	45169			
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana 7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			38883	45169			
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc 7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			38883	45169			
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver 7440-22-4		0.122		0.122		0.122	0.122	0	0	0	0.125	97.6			38883	45169			
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser 7440-38-2		0.988		0.988		0.988	0.988	0	0	0	1	98.8			38883	45169			
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu 7440-39-3		0.991		0.991		0.991	0.991	0	0	0	1	99.1			38883	45169			
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl 7440-41-7		0.993		0.993		0.993	0.993	0	0	0	1	99.3			38883	45169			
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm 7440-43-9		0.955		0.955		0.955	0.955	0	0	0	1	95.5			38883	45169			
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal 7440-48-4		0.999		0.999		0.999	0.999	0	0	0	1	99.9			38883	45169			
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chro 7440-47-3		0.962		0.962		0.962	0.962	0	0	0	1	96.2			38883	45169			
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp 7440-50-8		0.975		0.975		0.975	0.975	0	0	0	1	97.5			38883	45169			
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke 7440-02-0		1.02		1.02		1.02	1.02	0	0	0	1	102			38883	45169			
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead 7439-92-1		1		1		1	1	0	0	0	1	100			38883	45169			
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin 7440-36-0		1.08		1.08		1.08	1.08	0	0	0	1	108			38883	45169			
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen 7782-49-2		0.976		0.976		0.976	0.976	0	0	0	1	97.6			38883	45169			
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin 7440-31-5		0.977		0.977		0.977	0.977	0	0	0	1	97.7			38883	45169			
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli 7440-28-0		0.981		0.981		0.981	0.981	0	0	0	1	98.1			38883	45169			
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana 7440-62-2		0.957		0.957		0.957	0.957	0	0	0	1	95.7			38883	45169			
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc 7440-66-6		0.996		0.996		0.996	0.996	0	0	0	1	99.6			38883	45169			
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver 7440-22-4		0.135		0.135		0.135	0.135	0	0	0	0.125	108			38883	45169			
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser 7440-38-2		1.08		1.08		1.08	1.08	0	0	0	1	108			38883	45169			
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu 7440-39-3		1.07		1.07		1.07	1.07	0	0	0	1	107			38883	45169			
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl 7440-41-7		1.1		1.1		1.1	1.1	0	0	0	1	110			38883	45169			
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm 7440-43-9		1.05		1.05		1.05	1.05	0	0	0	1	105			38883	45169			
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal 7440-48-4		1.1		1.1		1.1	1.1	0	0	0	1	110			38883	45169			
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chro 7440-47-3		1.06		1.06		1.06	1.06	0	0	0	1	106			38883	45169			
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp 7440-50-8		1.07		1.07		1.07	1.07	0	0	0	1	107			38883	45169			
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke 7440-02-0		1.1		1.1		1.1	1.1	0	0	0	1	110			38883	45169			
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead 7439-92-1		1.07		1.07		1.07	1.07	0	0	0	1	107			38883	45169			
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin 7440-36-0		1.03		1.03		1.03	1.03	0	0	0	1	103			38883	45169			
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen 7782-49-2		1.09		1.09		1.09	1.09	0	0	0	1	109			38883	45169			
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin 7440-31-5		1.07		1.07		1.07	1.07	0	0	0	1	107			38883	45169			
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli 7440-28-0		1.08		1.08		1.08	1.08	0	0	0	1	108			38883	45169			
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana 7440-62-2		1.06		1.06		1.06	1.06	0	0	0	1	106			38883	45169			
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc 7440-66-6		1.04		1.04		1.04	1.04	0	0	0	1	104			38883	45169			
Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A	7.73		7.73		7.73	7.73	0	0	0	0		0.2		38901	45171			
Sample 146	pH	E 150.1	s.u.	1	no	pH	N/A	7.75		7.75		7.75	7.75	0	0	0	0	0	0		38901	45171			
ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	7.02		7.02		7.02	7.02				7	100.286			38901	45171			
CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.98		6.98		6.98	6.98				7	99.7143			38901	45171			
Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A	7.11		7.11		7.11	7.11	0	0	0	0		0		38902	45172			
Sample 147	pH	E 150.1	s.u.	1	no	pH	N/A	7.11		7.11		7.11	7.11	0	0	0	0	0	0		38902	45172			
ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	7.01		7.01		7.01	7.01				7	100.143			38902	45172			
CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.98		6.98		6.98	6.98				7	99.7143			38902	45172			
Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A	7.92		7.92		7.92	7.92	0	0	0	0		0.5		38907	45177			
Sample 147	pH	E 150.1	s.u.	1	no	pH	N/A	7.88		7.88		7.88	7.88	0	0	0	0	0	0		38907	45177			
ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	7		7		7	7				7	100			38907	45177			
CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.96		6.96		6.96	6.96				7	99.4286			38907	45177			
LCS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.127		0.127		0.127	0.127	0.0103	0.015	0.015	0.015	0.12	105.833			38931	45202			
LCSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.113		0.113		0.113	0.113	0.0103	0.015	0.015	0.015	0.12	94.1667	11.7		38931	45202			
MS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.06		0.06		0.06	0.06	0.0103	0.015	0.015	0.015	0.12	50			38931	45202			
MSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.044		0.044		0.044	0.044	0.0103	0.015	0.015	0.015	0.12	36.6667	30.8		38931	45202			
Method Bl	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5	<	0.0103	<	0.015	<	0.015	0.015	0.0103	0.015	0.015	0.015	0			38931	45202			
ICV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.125		0.125		0.125	0.125	0	0	0	0	0.12	104.167			38931	45202			
CCV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.115		0.115		0.115	0.115	0	0	0	0	0.12	95.8333			38931	45202			
LCS (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.127		0.127		0.127	0.127	0.000829	0.01	0.01	0.01	0.12	105.833			38934	45204			
LCSD (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.113		0.113		0.113	0.113	0.000829	0.01	0.01	0.01	0.12	94.1667	11.7		38934	45204			
Method Bl	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5	<	0.000829	<	0.01	<	0.01	0.01	0.000829	0.01	0.01	0.01	0			38934	45204			
ICV (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.125		0.125		0.125	0.125	0.000829	0.01	0.01	0.01	0.12	104.167			38934	45204			
CCV (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.115		0.115		0.115	0.115	0.000829	0.01	0.01	0.01	0.12	95.8333			38934	45204			
Duplicate (	pH	E 150.1	s.u.	1	no	pH	N/A	7.64		7.64		7.64	7.64	0	0	0	0		0.5		38956	45232			
Sample 147	pH	E 150.1	s.u.	1	no	pH	N/A	7.68		7.68		7.68	7.68	0	0	0	0	0	0		38956	45232			
ICV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	7.02		7.02		7.02	7.02				7	100.286			38956	45232			
CCV (1)	pH	E 150.1	s.u.	1	no	pH	N/A	6.98		6.98		6.98	6.98				7	99.7143			38956	45232			
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	491		491		491	491	0	0	0	0		1.8		38958	45235			
Sample 146	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	482		482		482	482	0	0	0	0	0	0		38958	45235			
Method Bl	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	0		0		0	0				0				38958	45235			
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1410		1410		1410	1410				1413	99.7877			38958	45235			
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1420		1420		1420	1420				1413	100.495			38958	45235			
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	341		341		341	341	0	0	0	0		1.5		38959	45236			
Sample 147	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	336		336		336	336	0	0	0	0	0	0		38959	45236			
Method Bl	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	0		0		0	0				0				38959	45236			
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1410		1410		1410	1410				1413	99.7877			38959	45236			
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1410		1410		1410	1410				1413	99.7877			38959	45236			
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	319		319		319	319	0	0	0	0		0		38960	45237			
Sample 147	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	319		319		319	319	0	0	0	0	0	0		38960	45237			
Method Bl	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	0		0		0	0				0				38960	45237			
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1410		1410		1410	1410				1413	99.7877			38960	45237			
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1420		1420		1420	1420				1413	100.495			38960	45237			
Duplicate (	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	489		489		489	489	0	0	0	0		4.2		38963	45242			
Sample 147	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	469		469		469	469	0	0	0	0	0	0		38963	45242			
Method Bl	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	0		0		0	0				0				38963	45242			
ICV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1410		1410		1410	1410				1413	99.7877			38963	45242			
CCV (1)	Conductivit	E 120.1	uMHOS/cm	1	no	Specific Co	N/A	1410		1410		1410	1410				1413	99.7877			38963	45242			
Duplicate (	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	342		342		342	342	5	0	5	5	0	1.8		38966	45245			
Sample 144	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	336		336		336	336	5	0	5	5	0	0	0	38966	45245			
Method Bl	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	5	<	0	<	5	5	5	5	5	5	0			38966	45245			
ICV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	994		994		994	994	5	0	5	5	1000	99.4		38966	45245			
CCV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	989		989		989	989	5	0	5	5	1000	98.9		38966	45245			
Method Bl	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	5	<	0	<	5	5	5	5	5	5	0			38971	45248			
ICV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	1010		1010		1010	1010	5	0	5	5	1000	101.4		38971	45248			
CCV (1)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	1000		1000		1000	1000	5	0	5	5	1000	100.4		38971	45248			
CCV (2)	TDS	E 160.1	mg/L	1	no	Total Disso	N/A	1000		1000		1000	1000	5	0	5	5	1000	100.5		38971	45248			
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.001	94			38967	45249			
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00095		0.00095		0.00095	0.00095	2.51E-05	0.0002	0.0002	0.001	95	1		38967	45249			
MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00098		0.00098		0.00098	0.00098	2.51E-05	0.0002	0.0002	0.001	98			38967	45249			
MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00098		0.00098		0.00098	0.00098	2.51E-05	0.0002	0.0002	0.001	98	0		38967	45249			
Method Bl	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	2.51E-05	<	0.0002	<	0.0002	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38967	45249			
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.001	94			38967	45249			
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00097		0.00097		0.00097	0.00097	2.51E-05	0.0002	0.0002	0.001	97			38967	45249			
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.001	94			38967	45252			
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00095		0.00095		0.00095	0.00095	2.51E-05	0.0002	0.0002	0.001	95	1		38967	45252			
Method Bl	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	2.51E-05	<	0.0002	<	0.0002	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38967	45252			
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.001	94			38967	45252			
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00099		0.00099		0.00099	0.00099	2.51E-05	0.0002	0.0002	0.001	99			38967	45252			
LCS (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.126		0.126		0.126	0.126	0.0103	0.015	0.015	0.12	105			39048	45332			
LCSD (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.12		0.12		0.12	0.12	0.0103	0.015	0.015	0.12	100	4.9		39048	45332			
Method Bl	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5	<	0.0103	<	0.015	<	0.015	0.015	0.0103	0.015	0.015	0.015	0			39048	45332			
ICV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.132		0.132		0.132	0.132	0	0	0	0	0.12	110			39048	45332			
CCV (1)	Total Cyani	SM 4500-C	mg/L	1	no	Total Cyan 57-12-5		0.128		0.128		0.128	0.128	0	0	0	0	0.12	106.667			39048	45332			
LCS (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.126		0.126		0.126	0.126	0.000829	0.01	0.01	0.01	0.12	105			39050	45334			
LCSD (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.12		0.12		0.12	0.12	0.000829	0.01	0.01	0.01	0.12	100	4.9		39050	45334			
Method Bl	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5	<	0.000829	<	0.01	<	0.01	0.01	0.000829	0.01	0.01	0.01	0			39050	45334			
ICV (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.132		0.132		0.132	0.132	0.000829	0.01	0.01	0.01	0.12	110			39050	45334			
CCV (1)	Amenable (	SM 4500-C	mg/L	1	no	Amenable- 57-12-5		0.128		0.128		0.128	0.128	0.000829	0.01	0.01	0.01	0.12	106.667			39050	45334			
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.96		4.96		4.96	4.96	0.56	1	1	1	5	99.2			39078	45366			
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.51		4.51		4.51	4.51	0.56	1	1	1	5	90.2	9.5		39078	45366			
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.26		4.26		4.26	4.26	0.56	1	1	1	5	85.2			39078	45366			
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.87		4.87		4.87	4.87	0.56	1	1	1	5	97.4	13.4		39078	45366			
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	0.56	<	1	<	1	1	0.56	1	1	1	0			39078	45366			
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.45		4.45		4.45	4.45	0.56	1	1	1	5	89			39078	45366			
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	4.9		4.9		4.9	4.9	0.56	1	1	1	5	98			39078	45366			

LCS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.042	0.042	0.042	0.042	0.005	0.01	0.01	0.01	0.05	84		39070	45374
LCSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.048	0.048	0.048	0.048	0.005	0.01	0.01	0.01	0.05	96	13.3	39070	45374
MS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.053	0.053	0.053	0.053	0.005	0.01	0.01	0.01	0.05	106		39070	45374
MSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.059	0.059	0.059	0.059	0.005	0.01	0.01	0.01	0.05	118	10.7	39070	45374
Method Bla	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39070	45374
ICV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.096	0.096	0.096	0.096	0.005	0.01	0.01	0.01	0.1	96		39070	45374
CCV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.106	0.106	0.106	0.106	0.005	0.01	0.01	0.01	0.1	106		39070	45374
LCS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.046	0.046	0.046	0.046	0.005	0.01	0.01	0.01	0.05	92		39071	45375
LCSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.053	0.053	0.053	0.053	0.005	0.01	0.01	0.01	0.05	106	14.1	39071	45375
MS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.055	0.055	0.055	0.055	0.005	0.01	0.01	0.01	0.05	110		39071	45375
MSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.048	0.048	0.048	0.048	0.005	0.01	0.01	0.01	0.05	96	13.6	39071	45375
Method Bla	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39071	45375
ICV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.105	0.105	0.105	0.105	0.005	0.01	0.01	0.01	0.1	105		39071	45375
CCV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.098	0.098	0.098	0.098	0.005	0.01	0.01	0.01	0.1	98		39071	45375
LCS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.046	0.046	0.046	0.046	0.005	0.01	0.01	0.01	0.05	92		39072	45376
LCSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.055	0.055	0.055	0.055	0.005	0.01	0.01	0.01	0.05	110	17.8	39072	45376
MS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.051	0.051	0.051	0.051	0.005	0.01	0.01	0.01	0.05	102		39072	45376
MSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.06	0.06	0.06	0.06	0.005	0.01	0.01	0.01	0.05	120	16.2	39072	45376
Method Bla	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39072	45376
ICV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.107	0.107	0.107	0.107	0.005	0.01	0.01	0.01	0.1	107		39072	45376
CCV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.101	0.101	0.101	0.101	0.005	0.01	0.01	0.01	0.1	101		39072	45376
LCS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.044	0.044	0.044	0.044	0.005	0.01	0.01	0.01	0.05	88		39073	45377
LCSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.042	0.042	0.042	0.042	0.005	0.01	0.01	0.01	0.05	84	4.6	39073	45377
MS (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.05	0.05	0.05	0.05	0.005	0.01	0.01	0.01	0.05	100		39073	45377
MSD (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.042	0.042	0.042	0.042	0.005	0.01	0.01	0.01	0.05	84	17.4	39073	45377
Method Bla	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide		<	0.005 <	0.01 <	0.01 <	0.01	0.005	0.01	0.01	0.01	0			39073	45377
ICV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.108	0.108	0.108	0.108	0.005	0.01	0.01	0.01	0.1	108		39073	45377
CCV (1)	Free Cyanic	E 9213	mg/L	1	no	Free Cyanide			0.104	0.104	0.104	0.104	0.005	0.01	0.01	0.01	0.1	104		39073	45377
LCS (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.5	11.5	11.5	11.5	0.172	0.5	0.5	0.5	12.5	92		39090	45380
LCSD (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.5	11.5	11.5	11.5	0.172	0.5	0.5	0.5	12.5	92	0	39090	45380
LCS (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36	2.36	2.36	2.36	0.0119	0.2	0.2	0.2	2.5	94.4		39090	45380
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.37	2.37	2.37	2.37	0.0119	0.2	0.2	0.2	2.5	94.8	0.4	39090	45380
LCS (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.3	11.3	11.3	11.3	0.777	1	1	1	12.5	90.4		39090	45380
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.2	11.2	11.2	11.2	0.777	1	1	1	12.5	89.6	0.9	39090	45380
MS (1)	Chloride (IC	E 300.0	mg/L	50	no	Chloride	16887-00-6		1900	1900	1900	1900	0.172	0.5	0.5	0.5	625	98.3584		39090	45380
MSD (1)	Chloride (IC	E 300.0	mg/L	50	no	Chloride	16887-00-6		1900	1900	1900	1900	0.172	0.5	0.5	0.5	625	98.3584	0	39090	45380
MS (1)	Fluoride (IC	E 300.0	mg/L	50	no	Fluoride	16984-48-8		128	128	128	128	0.119	0.2	0.2	0.2	125	102.4		39090	45380
MSD (1)	Fluoride (IC	E 300.0	mg/L	50	no	Fluoride	16984-48-8		132	132	132	132	0.119	0.2	0.2	0.2	125	105.6	3.1	39090	45380
MS (1)	SO4 (IC)	E 300.0	mg/L	50	no	Sulfate	14808-79-8		591	591	591	591	0.777	1	1	1	625	91.4417		39090	45380
MSD (1)	SO4 (IC)	E 300.0	mg/L	50	no	Sulfate	14808-79-8		578	578	578	578	0.777	1	1	1	625	89.3617	2.2	39090	45380
Method Bla	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	<	0.172 <	0.5 <	0.5 <	0.5	0.172	0.5	0.5	0.5	0			39090	45380
Method Bla	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	<	0.119 <	0.2 <	0.2 <	0.2	0.119	0.2	0.2	0.2	0			39090	45380
Method Bla	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	<	0.777 <	1 <	1 <	1	0.777	1	1	1	0			39090	45380
ICV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.2	11.2	11.2	11.2	0.0181	0.5	0.5	0.5	12.5	89.6		39090	45380
ICV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.27	2.27	2.27	2.27	0.0119	0.2	0.2	0.2	2.5	90.8		39090	45380
ICV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.2	11.2	11.2	11.2	0	0	0	0	12.5	89.6		39090	45380
CCV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.4	11.4	11.4	11.4	0.0181	0.5	0.5	0.5	12.5	91.2		39090	45380
CCV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36	2.36	2.36	2.36	0.0119	0.2	0.2	0.2	2.5	94.4		39090	45380
CCV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.3	11.3	11.3	11.3	0	0	0	0	12.5	90.4		39090	45380
LCS (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.4	11.4	11.4	11.4	0.172	0.5	0.5	0.5	12.5	91.2		39094	45385
LCSD (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.4	11.4	11.4	11.4	0.172	0.5	0.5	0.5	12.5	91.2	0	39094	45385
LCS (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36	2.36	2.36	2.36	0.0119	0.2	0.2	0.2	2.5	94.4		39094	45385
LCSD (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36	2.36	2.36	2.36	0.0119	0.2	0.2	0.2	2.5	94.4	0	39094	45385
LCS (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.3	11.3	11.3	11.3	0.777	1	1	1	12.5	90.4		39094	45385
LCSD (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.2	11.2	11.2	11.2	0.777	1	1	1	12.5	89.6	0.9	39094	45385
MS (1)	Chloride (IC	E 300.0	mg/L	50	no	Chloride	16887-00-6		1110	1110	1110	1110	0.172	0.5	0.5	0.5	625	102.776		39094	45385
MSD (1)	Chloride (IC	E 300.0	mg/L	50	no	Chloride	16887-00-6		1110	1110	1110	1110	0.172	0.5	0.5	0.5	625	102.776	0	39094	45385
MS (1)	Fluoride (IC	E 300.0	mg/L	50	no	Fluoride	16984-48-8		121	121	121	121	0.119	0.2	0.2	0.2	125	96.8		39094	45385
MSD (1)	Fluoride (IC	E 300.0	mg/L	50	no	Fluoride	16984-48-8		123	123	123	123	0.119	0.2	0.2	0.2	125	98.4	1.6	39094	45385
MS (1)	SO4 (IC)	E 300.0	mg/L	50	no	Sulfate	14808-79-8		1130	1130	1130	1130	0.777	1	1	1	625	87.8626		39094	45385
MSD (1)	SO4 (IC)	E 300.0	mg/L	50	no	Sulfate	14808-79-8		1120	1120	1120	1120	0.777	1	1	1	625	86.2626	0.9	39094	45385
Method Bla	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	<	0.172 <	0.5 <	0.5 <	0.5	0.172	0.5	0.5	0.5	0			39094	45385
Method Bla	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	<	0.119 <	0.2 <	0.2 <	0.2	0.119	0.2	0.2	0.2	0			39094	45385
Method Bla	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	<	0.777 <	1 <	1 <	1	0.777	1	1	1	0			39094	45385
ICV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.4	11.4	11.4	11.4	0.0181	0.5	0.5	0.5	12.5	91.2		39094	45385
ICV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36	2.36	2.36	2.36	0.0119	0.2	0.2	0.2	2.5	94.4		39094	45385
ICV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.3	11.3	11.3	11.3	0	0	0	0	12.5	90.4		39094	45385
CCV (1)	Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.2	11.2	11.2	11.2	0.0181	0.5	0.5	0.5	12.5	89.6		39094	45385
CCV (1)	Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.27	2.27	2.27	2.27	0.0119	0.2	0.2	0.2	2.5	90.8		39094	45385
CCV (1)	SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.2	11.2	11.2	11.2	0	0	0	0	12.5	89.6		39094	45385
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.116	0.116	0.116	0.116	0.0011	0.005	0.005	0.005	0.125	92.8		38928	45520
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.116	0.116	0.116	0.116	0.0011	0.005	0.005	0.005	0.125	92.8	0	38928	45520
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.446	0.446	0.446	0.446	0.0026	0.005	0.005	0.005	0.5	89.2		38928	45520
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.459	0.459	0.459	0.459	0.0026	0.005	0.005	0.005	0.5	91.8	2.9	38928	45520
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.941	0.941	0.941	0.941	0.0006	0.001	0.001	0.001	1	94.1		38928	45520
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.934	0.934	0.934	0.934	0.0006	0.001	0.001	0.001	1	93.4	0.7	38928	45520
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0234	0.0234	0.0234	0.0234	0.0011	0.002	0.002	0.002	0.025	93.6		38928	45520
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.024	0.024	0.024	0.024	0.0011	0.002	0.002	0.002	0.025	96	2.5	38928	45520
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.229	0.229	0.229	0.229	0.0004	0.001	0.001	0.001	0.25	91.6		38928	45520
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.23	0.23	0.23	0.23	0.0004	0.001	0.001	0.001	0.25	92	0.4	38928	45520
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.234	0.234	0.234	0.234	0.0004	0.001	0.001	0.001	0.25	93.6		38928	45520
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.232	0.232	0.232	0.232	0.0004	0.001	0.001	0.001	0.25	92.8	0.8	38928	45520
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.094	0.094	0.094	0.094	0.0005	0.001	0.001	0.001	0.1	94		38928	45520
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.094	0.094	0.094	0.094	0.0005	0.001	0.001	0.001	0.1	94	0	38928	45520
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116	0.116	0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8		38928	45520
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116	0.116	0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8	0	38928	45520
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.23	0.23	0.23	0.23	0.0013	0.005	0.005	0.005	0.25	92		38928	45520
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.23	0.23	0.23	0.23	0.0013	0.005	0.005	0.005	0.25	92	0	38928	45520
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.45	0.45	0.45	0.45	0.0036	0.005	0.005	0.005	0.5	90		38928	45520
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.465	0.465	0.465	0.465	0.0036	0.005	0.005	0.005	0.5	93	3.3	38928	45520
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.248	0.248	0.248	0.248	0.0047	0.006	0.006	0.006	0.25	99.2		38928	45520
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.243	0.243	0.243	0.243	0.0047	0.006	0.006	0.006	0.25	97.2	2	38928	45520
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.423	0.423	0.423	0.423	0.0066	0.01	0.01	0.01	0.5	84.6		38928	45520
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.431	0.431	0.431	0.431	0.0066	0.01	0.01	0.01	0.5	86.2	1.9	38928	45520
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.291	0.291	0.291	0.291	0.0032	0.025	0.025	0.025	0.3	97		38928	45520
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.293	0.293	0.293	0.293	0.0032	0.025	0.025	0.025	0.3	97.6667	0.7	38928	45520
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.504	0.504	0.504	0.504	0.0021	0.0021	0.0021	0.0021	0.5	100.8		38928	45520
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.497	0.497	0.497	0.497	0.0021	0.0021	0.0021	0.0021	0.5	99.4	1.4	38928	45520
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.231	0.231	0.231	0.231	0.0005	0.005	0.005	0.005	0.25	92.4		38928	45520
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.218	0.218	0.218	0.218	0.0005	0.005	0.005	0.005	0.25	87.2	5.8	38928	45520
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.217	0.217	0.217	0.217	0.0021	0.005	0.005	0.005	0.25	86.8		38928	45520
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.218	0.218	0.218	0.218	0.0021	0.005	0.005	0.005	0.25	87.2	0.4	38928	45520
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.117	0.117	0.117	0.117	0.0011	0.005	0.005	0.005	0.125	93.6		38928	45520
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.118	0.118	0.118	0.118	0.0011	0.005	0.005	0.005	0.125	94.4	0.8	38928	45520
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.451	0.451	0.451	0.451	0.0026	0.005	0.005	0.005	0.5	90.2		38928	45520
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.442	0.442	0.442	0.442	0.0026	0.005	0.005	0.005	0.5	88.4	2	38928	45520
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.946	0.946	0.946	0.946	0.0006	0.001	0.001	0.001	1	89.4		38928	45520
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.959	0.959	0.959	0.959	0.0006	0.001	0.001	0.001	1	90.7	1.4	38928	45520
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0224	0.0224	0.0224	0.0224	0.0011	0.002	0.002	0.002	0.025	89.6		38928	45520
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0242	0.0242	0.0242	0.0242	0.0011	0.002	0.002	0.002	0.025	96.8	7.7	38928	45520
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.22	0.22	0.22	0.22	0.0004	0.001	0.001	0.001	0.25	88		38928	45520
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.222	0.222	0.222	0.222	0.0004	0.001	0.001	0.001	0.25	88.8	0.9	38928	45520
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.222	0.222	0.222	0.222	0.0004	0.001	0.001	0.001	0.25	88.8		38928	45520
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.221	0.221	0.221	0.221	0.0004	0.001	0.001	0.001	0.25	88.4	0.4	38928	45520
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.093	0.093	0.093	0.093	0.0005	0.001	0.001	0.001	0.1	93		38928	45520
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.094	0.094	0.094	0.094	0.0005	0.001	0.001	0.001	0.1	94	1.1	38928	45520
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116	0.116	0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8		38928	45520
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.116	0.116	0.116	0.116	0.0009	0.005	0.005	0.005	0.125	92.8	0	38928	45520
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.219	0.219	0.219	0.219	0.0013	0.005	0.005	0.005	0.25	87.6		38928	45520
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.222	0.222	0.222	0.222	0.0013	0.005	0.005	0.005	0.25	88.8	1.4	38928	45520
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.424	0.424	0.424	0.424	0.0036	0.005	0.005	0.005	0.5	84.8		38928	45520
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.429	0.429	0.429	0.429	0.0036	0.005	0.005	0.005	0.5	85.8	1.2	38928	45520
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.235	0.235	0.235	0.235	0.0047	0.006	0.006	0.006	0.25	94		38928	45520
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.223	0.223	0.223	0.223	0.0047	0.006	0.006	0.006	0.25	89.2	5.2	38928	45520
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.434	0.434	0.434	0.434	0.0066	0.01	0.01	0.01	0.5	86.8		38928	45520
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.442	0.442	0.442	0.442	0.0066	0.01	0.01	0.01	0.5	88.4	1.8	38928	45520
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.272	0.272	0.272	0.272	0.0032	0.025	0.025	0.025	0.3	90.6667		38928	45520
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.273	0.273	0.273	0.273	0.0032	0.025	0.025	0.025	0.3	91	0.4	38928	45520
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.481	0.481	0.481	0.481	0.0021	0.0021	0.0021	0.0021	0.5	96.2		38928	45520
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.458	0.458	0.458	0.458	0.0021	0.0021	0.0021	0.0021	0.5	91.6	4.9	38928	45520
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.225	0.225	0.225	0.225	0.0005	0.005	0.005	0.005	0.25	86.4		38928	45520
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.225	0.225	0.225	0.225	0.0005	0.005	0.005	0.005	0.25	86.4	0	38928	45520
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.223	0.223	0.223	0.223	0.0021	0.005	0.005	0.005	0.25	89.2		38928	45520
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.223	0.223	0.223	0.223	0.0021	0.005	0.005	0.005	0.25	89.2	0	38928	45520
Method Bla	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011 <	0.005 <	0.005 <	0.005	0.0011	0.005	0.005	0.005	0			38928	45520
Method Bla	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026 <	0.005 <	0.005 <	0.005	0.0026	0.005	0.005	0.005	0			38928	45520
Method Bla	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006 <	0.001 <	0.001 <	0.001	0.0006	0.001	0.001	0.001	0			38928	45520
Method Bla	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011 <	0.002 <	0.002 <	0.002	0.0011	0.002	0.002	0.002	0			38928	45520
Method Bla	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38928	45520
Method Bla	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004 <	0.001 <	0.001 <	0.001	0.0004	0.001	0.001	0.001	0			38928	45520

Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			38928	45520		
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			38928	45520		
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			38928	45520		
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			38928	45520		
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			38928	45520		
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			38928	45520		
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			38928	45520		
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			38928	45520		
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			38928	45520		
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			38928	45520		
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.119		0.119		0.119	0.119	0	0	0	0	0.125	95.2		38928	45520		
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.985		0.985		0.985	0.985	0	0	0	0	1	98.5		38928	45520		
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.975		0.975		0.975	0.975	0	0	0	0	1	97.5		38928	45520		
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.977		0.977		0.977	0.977	0	0	0	0	1	97.7		38928	45520		
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.958		0.958		0.958	0.958	0	0	0	0	1	95.8		38928	45520		
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.973		0.973		0.973	0.973	0	0	0	0	1	97.3		38928	45520		
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.956		0.956		0.956	0.956	0	0	0	0	1	95.6		38928	45520		
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.962		0.962		0.962	0.962	0	0	0	0	1	96.2		38928	45520		
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.996		0.996		0.996	0.996	0	0	0	0	1	99.6		38928	45520		
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.956		0.956		0.956	0.956	0	0	0	0	1	95.6		38928	45520		
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.05		1.05		1.05	1.05	0	0	0	0	1	105		38928	45520		
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.973		0.973		0.973	0.973	0	0	0	0	1	97.3		38928	45520		
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.962		0.962		0.962	0.962	0	0	0	0	1	96.2		38928	45520		
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1		1		1	1	0	0	0	0	1	100		38928	45520		
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.949		0.949		0.949	0.949	0	0	0	0	1	94.9		38928	45520		
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.02		1.02		1.02	1.02	0	0	0	0	1	102		38928	45520		
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.122		0.122		0.122	0.122	0	0	0	0	0.125	97.6		38928	45520		
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.98		0.98		0.98	0.98	0	0	0	0	1	98		38928	45520		
CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.997		0.997		0.997	0.997	0	0	0	0	1	99.7		38928	45520		
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.99		0.99		0.99	0.99	0	0	0	0	1	99		38928	45520		
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.959		0.959		0.959	0.959	0	0	0	0	1	95.9		38928	45520		
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.988		0.988		0.988	0.988	0	0	0	0	1	98.8		38928	45520		
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.964		0.964		0.964	0.964	0	0	0	0	1	96.4		38928	45520		
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.978		0.978		0.978	0.978	0	0	0	0	1	97.8		38928	45520		
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.01		1.01		1.01	1.01	0	0	0	0	1	101		38928	45520		
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.969		0.969		0.969	0.969	0	0	0	0	1	96.9		38928	45520		
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.04		1.04		1.04	1.04	0	0	0	0	1	104		38928	45520		
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.98		0.98		0.98	0.98	0	0	0	0	1	98		38928	45520		
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.983		0.983		0.983	0.983	0	0	0	0	1	98.3		38928	45520		
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.04		1.04		1.04	1.04	0	0	0	0	1	104		38928	45520		
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.962		0.962		0.962	0.962	0	0	0	0	1	96.2		38928	45520		
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.952		0.952		0.952	0.952	0	0	0	0	1	95.2		38928	45520		
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.128		0.128		0.128	0.128	0.0011	0.005	0.005	0.005	0.125	102.4		39027	45604	RR	#########
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.125		0.125		0.125	0.125	0.0011	0.005	0.005	0.005	0.125	100	2.4	39027	45604	RR	#########
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.519		0.519		0.519	0.519	0.0026	0.005	0.005	0.005	0.5	103.8		39027	45604	RR	#########
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.497		0.497		0.497	0.497	0.0026	0.005	0.005	0.005	0.5	99.4	4.3	39027	45604	RR	#########
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.06		1.06		1.06	1.06	0.0006	0.001	0.001	0.001	1	106		39027	45604	RR	#########
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.02		1.02		1.02	1.02	0.0006	0.001	0.001	0.001	1	102	3.8	39027	45604	RR	#########
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.0247		0.0247		0.0247	0.0247	0.0011	0.002	0.002	0.002	0.025	98.8		39027	45604	RR	#########
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.025		0.025		0.025	0.025	0.0011	0.002	0.002	0.002	0.025	100	1.2	39027	45604	RR	#########
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.269		0.269		0.269	0.269	0.0004	0.001	0.001	0.001	0.25	107.6		39027	45604	RR	#########
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.267		0.267		0.267	0.267	0.0004	0.001	0.001	0.001	0.25	106.8	0.7	39027	45604	RR	#########
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.27		0.27		0.27	0.27	0.0004	0.001	0.001	0.001	0.25	108		39027	45604	RR	#########
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.266		0.266		0.266	0.266	0.0004	0.001	0.001	0.001	0.25	106.4	1.5	39027	45604	RR	#########
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.108		0.108		0.108	0.108	0.0005	0.001	0.001	0.001	0.1	108		39027	45604	RR	#########
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.106		0.106		0.106	0.106	0.0005	0.001	0.001	0.001	0.1	106	1.9	39027	45604	RR	#########
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.126		0.126		0.126	0.126	0.0009	0.005	0.005	0.005	0.125	100.8		39027	45604	RR	#########
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.127		0.127		0.127	0.127	0.0009	0.005	0.005	0.005	0.125	101.6	0.8	39027	45604	RR	#########
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.263		0.263		0.263	0.263	0.0013	0.005	0.005	0.005	0.25	105.2		39027	45604	RR	#########
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.264		0.264		0.264	0.264	0.0013	0.005	0.005	0.005	0.25	105.6	0.4	39027	45604	RR	#########
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.503		0.503		0.503	0.503	0.0036	0.005	0.005	0.005	0.5	100.6		39027	45604	RR	#########
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.493		0.493		0.493	0.493	0.0036	0.005	0.005	0.005	0.5	98.6	2	39027	45604	RR	#########
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.247		0.247		0.247	0.247	0.0047	0.006	0.006	0.006	0.25	98.8		39027	45604	RR	#########
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.246		0.246		0.246	0.246	0.0047	0.006	0.006	0.006	0.25	98.4	0.4	39027	45604	RR	#########
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.458		0.458		0.458	0.458	0.0066	0.01	0.01	0.01	0.5	91.6		39027	45604	RR	#########
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.443		0.443		0.443	0.443	0.0066	0.01	0.01	0.01	0.5	88.6	3.3	39027	45604	RR	#########
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.328		0.328		0.328	0.328	0.0032	0.025	0.025	0.025	0.3	109.333		39027	45604	RR	#########
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.316		0.316		0.316	0.316	0.0032	0.025	0.025	0.025	0.3	105.333	3.7	39027	45604	RR	#########
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.544		0.544		0.544	0.544	0.0021	0.0021	0.0021	0.0021	0.5	108.8		39027	45604	RR	#########
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.546		0.546		0.546	0.546	0.0021	0.0021	0.0021	0.0021	0.5	109.2	0.4	39027	45604	RR	#########
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.255		0.255		0.255	0.255	0.0005	0.005	0.005	0.005	0.25	102		39027	45604	RR	#########
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.252		0.252		0.252	0.252	0.0005	0.005	0.005	0.005	0.25	100.8	1.2	39027	45604	RR	#########
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.253		0.253		0.253	0.253	0.0021	0.005	0.005	0.005	0.25	101.2		39027	45604	RR	#########
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.252		0.252		0.252	0.252	0.0021	0.005	0.005	0.005	0.25	100.8	0.4	39027	45604	RR	#########
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.13		0.13		0.13	0.13	0.0011	0.005	0.005	0.005	0.125	104		39027	45604	RR	#########
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.128		0.128		0.128	0.128	0.0011	0.005	0.005	0.005	0.125	102.4	1.6	39027	45604	RR	#########
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.5		0.5		0.5	0.5	0.0026	0.005	0.005	0.005	0.5	100		39027	45604	RR	#########
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.494		0.494		0.494	0.494	0.0026	0.005	0.005	0.005	0.5	98.8	1.2	39027	45604	RR	#########
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.11		1.11		1.11	1.11	0.0006	0.001	0.001	0.001	1	104.4		39027	45604	RR	#########
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.09		1.09		1.09	1.09	0.0006	0.001	0.001	0.001	1	102.4	1.8	39027	45604	RR	#########
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.026		0.026		0.026	0.026	0.0011	0.002	0.002	0.002	0.025	104		39027	45604	RR	#########
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.026		0.026		0.026	0.026	0.0011	0.002	0.002	0.002	0.025	104	0	39027	45604	RR	#########
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.272		0.272		0.272	0.272	0.0004	0.001	0.001	0.001	0.25	108.8		39027	45604	RR	#########
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.263		0.263		0.263	0.263	0.0004	0.001	0.001	0.001	0.25	105.2	3.4	39027	45604	RR	#########
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.26		0.26		0.26	0.26	0.0004	0.001	0.001	0.001	0.25	104		39027	45604	RR	#########
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.27		0.27		0.27	0.27	0.0004	0.001	0.001	0.001	0.25	108	3.8	39027	45604	RR	#########
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.109		0.109		0.109	0.109	0.0005	0.001	0.001	0.001	0.1	109		39027	45604	RR	#########
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.108		0.108		0.108	0.108	0.0005	0.001	0.001	0.001	0.1	108	0.9	39027	45604	RR	#########
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.132		0.132		0.132	0.132	0.0009	0.005	0.005	0.005	0.125	105.6		39027	45604	RR	#########
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.131		0.131		0.131	0.131	0.0009	0.005	0.005	0.005	0.125	104.8	0.8	39027	45604	RR	#########
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.269		0.269		0.269	0.269	0.0013	0.005	0.005	0.005	0.25	107.6		39027	45604	RR	#########
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.259		0.259		0.259	0.259	0.0013	0.005	0.005	0.005	0.25	103.6	3.8	39027	45604	RR	#########
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.506		0.506		0.506	0.506	0.0036	0.005	0.005	0.005	0.5	101.2		39027	45604	RR	#########
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.528		0.528		0.528	0.528	0.0036	0.005	0.005	0.005	0.5	105.6	4.2	39027	45604	RR	#########
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.246		0.246		0.246	0.246	0.0047	0.006	0.006	0.006	0.25	98.4		39027	45604	RR	#########
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.256		0.256		0.256	0.256	0.0047	0.006	0.006	0.006	0.25	102.4	4	39027	45604	RR	#########
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.484		0.484		0.484	0.484	0.0066	0.01	0.01	0.01	0.5	96.8		39027	45604	RR	#########
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.481		0.481		0.481	0.481	0.0066	0.01	0.01	0.01	0.5	96.2	0.6	39027	45604	RR	#########
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.328		0.328		0.328	0.328	0.0032	0.025	0.025	0.025	0.3	109.333		39027	45604	RR	#########
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.329		0.329		0.329	0.329	0.0032	0.025	0.025	0.025	0.3	109.667	0.3	39027	45604	RR	#########
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.54		0.54		0.54	0.54	0.0021	0.0021	0.0021	0.0021	0.5	108		39027	45604	RR	#########
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.523		0.523		0.523	0.523	0.0021	0.0021	0.0021	0.0021	0.5	104.6	3.2	39027	45604	RR	#########
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.253		0.253		0.253	0.253	0.0005	0.005	0.005	0.005	0.25	101.2		39027	45604	RR	#########
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.253		0.253		0.253	0.253	0.0005	0.005	0.005	0.005	0.25	101.2	0	39027	45604	RR	#########
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.287		0.287		0.287	0.287	0.0021	0.005	0.005	0.005	0.25	104.4		39027	45604	RR	#########
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.287		0.287		0.287	0.287	0.0021	0.005	0.005	0.005	0.25	104.4	0	39027	45604	RR	#########
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	0.005	0.0011	0.005	0.005	0.005	0			39027	45604	RR	#########
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	0.005	0.0026	0.005	0.005	0.005	0			39027	45604	RR	#########
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	0.001	0.0006	0.001	0.001	0.001	0			39027	45604	RR	#########
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	0.002	0.0011	0.002	0.002	0.002	0			39027	45604	RR	#########
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			39027	45604	RR	#########
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			39027	45604	RR	#########
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			39027	45604	RR	#########
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			39027	45604	RR	#########
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			39027	45604	RR	#########
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			39027	45604	RR	#########
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			39027	45604	RR	#########
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			39027	45604	RR	#########
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			39027	45604	RR	#########
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			39027	45604	RR	#########
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			39027	45604	RR	#########
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			39027	45604	RR	#########
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.123		0.123		0.123	0.123	0	0	0	0	0.125	98.4		39027	45604	RR	#########
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1		1		1	1	0	0	0	0	1	100		39027	45604	RR	#########
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.99		0.99		0.99	0.99	0	0	0	0	1	99		39027	45604	RR	#########
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1		1		1	1	0	0	0	0	1	100		39027	45604	RR	#########
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.974		0.974		0.974	0.974	0	0	0	0	1	97.4		39027	45604	RR	#########
ICV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.01		1.01		1.01	1.01	0	0	0	0	1	101		39027	45604	RR	#########
ICV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.974		0.974		0.974	0.974	0	0	0	0	1	97.4		39027	45604	RR	#########
ICV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.981		0.981		0.981	0.981	0	0	0	0	1	98.1		39027	45604	RR	#########
ICV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.03		1.03		1.03	1.03	0	0	0	0	1	103		39027	45604	RR	#########
ICV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.02		1.02		1.02	1.02	0	0	0	0	1	102		39027	45604	RR	#########
ICV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.08		1.08		1.08	1.08	0	0	0	0	1	108		39027	45604	RR	#########
ICV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.988		0.988		0.988	0.988	0	0	0	0	1	98.8		39027	45604	RR	#########
ICV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.01		1.01		1.01	1.01	0	0	0	0	1	101		39027	45604	RR	#########
ICV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.02		1.02		1.02	1.02	0	0	0	0	1	102		39027	45604	RR	#########
ICV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.97		0.97		0.97	0.97	0	0	0	0	1	97		39027	45604	RR	#########
ICV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.963		0.963		0.963	0.963	0	0	0	0	1	96.3		39027	45604	RR	#########
CCV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.128		0.128		0.128	0.128	0	0	0	0	0.125	102.4		39027	45604	RR	#########
CCV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		1.04		1.04		1.04	1.04	0	0	0	0	1	104		39027	45604	RR	#########

CCV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.01		1.01		1.01	1.01	0	0	0	0	1	101		39027	45604	RR	#########
CCV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		1.04		1.04		1.04	1.04	0	0	0	0	1	104		39027	45604	RR	#########
CCV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		1.03		1.03		1.03	1.03	0	0	0	0	1	103		39027	45604	RR	#########
CCV (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		1.06		1.06		1.06	1.06	0	0	0	0	1	106		39027	45604	RR	#########
CCV (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		1.01		1.01		1.01	1.01	0	0	0	0	1	101		39027	45604	RR	#########
CCV (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		1.01		1.01		1.01	1.01	0	0	0	0	1	101		39027	45604	RR	#########
CCV (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		1.08		1.08		1.08	1.08	0	0	0	0	1	108		39027	45604	RR	#########
CCV (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		1.02		1.02		1.02	1.02	0	0	0	0	1	102		39027	45604	RR	#########
CCV (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		1.03		1.03		1.03	1.03	0	0	0	0	1	103		39027	45604	RR	#########
CCV (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		1.03		1.03		1.03	1.03	0	0	0	0	1	103		39027	45604	RR	#########
CCV (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		1.06		1.06		1.06	1.06	0	0	0	0	1	106		39027	45604	RR	#########
CCV (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		1.06		1.06		1.06	1.06	0	0	0	0	1	106		39027	45604	RR	#########
CCV (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.998		0.998		0.998	0.998	0	0	0	0	1	99.8		39027	45604	RR	#########
CCV (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		1.01		1.01		1.01	1.01	0	0	0	0	1	101		39027	45604	RR	#########
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0		0	39323	45670		
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0		0	39323	45670		
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		76		76		76	76	4	4	4	4	0		2.6	39323	45670		
Duplicate (	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		76		76		76	76	2.38	4	4	4	0		2.6	39323	45670		
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	39323	45670		
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0	0	0	39323	45670		
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		78		78		78	78	4	4	4	4	0	0	0	39323	45670		
Sample 14	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		78		78		78	78	2.38	4	4	4	0	0	0	39323	45670		
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			39323	45670		
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A	<	1	<	1	<	1	1	1	1	1	1	0			39323	45670		
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A	<	4	<	4	<	4	4	4	4	4	4	0			39323	45670		
Method Bl	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A	<	2.38	<	4	<	4	4	2.38	4	4	4	0			39323	45670		
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			39323	45670		
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		236		236		236	236	1	1	1	1	0			39323	45670		
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		8		8		8	8	4	4	4	4	0			39323	45670		
ICV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		244		244		244	244	2.38	4	4	4	250	97.6		39323	45670		
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Hydroxide	N/A	<	1	<	1	<	1	1	1	1	1	1	0			39323	45670		
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Carbonate	N/A		232		232		232	232	1	1	1	1	0			39323	45670		
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Bicarbonat	N/A		12		12		12	12	4	4	4	4	0			39323	45670		
CCV (1)	Alkalinity	E 310.1	mg/L as Ca	1	no	Total Alkali	N/A		244		244		244	244	2.38	4	4	4	250	97.6		39323	45670		
LCS (1)	Nitrate anc	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.151		0.151		0.151	0.151	0.0124	0.1	0.1	0.1	0.16	94.375		39367	45727		
LCSD (1)	Nitrate anc	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.179		0.179		0.179	0.179	0.0124	0.1	0.1	0.1	0.16	111.875	17	39367	45727		
MS (1)	Nitrate anc	E 353.3	mg/L	50	no	Nitrate and Nitrite as N			16		16		16	16	0.0124	0.1	0.1	0.1	8	31.25		39367	45727		
MSD (1)	Nitrate anc	E 353.3	mg/L	50	no	Nitrate and Nitrite as N			15.5		15.5		15.5	15.5	0.0124	0.1	0.1	0.1	8	25	3.2	39367	45727		
Method Bl	Nitrate anc	E 353.3	mg/L	1	no	Nitrate and Nitrite as N		<	0.0124	<	0.1	<	0.1	0.1	0.0124	0.1	0.1	0.1	0			39367	45727		
ICV (1)	Nitrate anc	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.164		0.164		0.164	0.164	0.0124	0.1	0.1	0.1	0.16	102.5		39367	45727		
CCV (1)	Nitrate anc	E 353.3	mg/L	1	no	Nitrate and Nitrite as N			0.157		0.157		0.157	0.157	0.0124	0.1	0.1	0.1	0.16	98.125		39367	45727		
LCS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		5.18		5.18		5.18	5.18	0.56	1	1	1	5	103.6		39416	45784		
LCSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.62		4.62		4.62	4.62	0.56	1	1	1	5	92.4	11.4	39416	45784		
MS (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.98		4.98		4.98	4.98	0.56	1	1	1	5	99.6		39416	45784		
MSD (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.98		4.98		4.98	4.98	0.56	1	1	1	5	99.6	0	39416	45784		
Method Bl	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7	<	0.56	<	1	<	1	1	0.56	1	1	1	0			39416	45784		
ICV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.87		4.87		4.87	4.87	0.56	1	1	1	5	97.4		39416	45784		
CCV (1)	Ammonia	SM 4500-N	mg/L	1	no	Ammonia-I	7664-41-7		4.76		4.76		4.76	4.76	0.56	1	1	1	5	95.2		39416	45784		
LCS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.0002	0.001	94		39349	46143		
LCSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00095		0.00095		0.00095	0.00095	2.51E-05	0.0002	0.0002	0.0002	0.001	95	1	39349	46143		
MS (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00101		0.00101		0.00101	0.00101	2.51E-05	0.0002	0.0002	0.0002	0.001	101		39349	46143		
MSD (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00106		0.00106		0.00106	0.00106	2.51E-05	0.0002	0.0002	0.0002	0.001	106	4.8	39349	46143		
Method Bl	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.51E-05	<	0.0002	<	0.0002	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			39349	46143		
ICV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00094		0.00094		0.00094	0.00094	2.51E-05	0.0002	0.0002	0.0002	0.001	94		39349	46143		
CCV (1)	Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00099		0.00099		0.00099	0.00099	2.51E-05	0.0002	0.0002	0.0002	0.001	99		39349	46143		
LCS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.133		0.133		0.133	0.133	0.0011	0.005	0.005	0.005	0.125	106.4		39348	46145		
LCSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.134		0.134		0.134	0.134	0.0011	0.005	0.005	0.005	0.125	107.2	0.7	39348	46145		
LCS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.505		0.505		0.505	0.505	0.0026	0.005	0.005	0.005	0.5	101		39348	46145		
LCSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.537		0.537		0.537	0.537	0.0026	0.005	0.005	0.005	0.5	107.4	6.1	39348	46145		
LCS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.1		1.1		1.1	1.1	0.0006	0.001	0.001	0.001	1	110		39348	46145		
LCSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.1		1.1		1.1	1.1	0.0006	0.001	0.001	0.001	1	110	0	39348	46145		
LCS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.025		0.025		0.025	0.025	0.0011	0.002	0.002	0.002	0.025	100		39348	46145		
LCSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.026		0.026		0.026	0.026	0.0011	0.002	0.002	0.002	0.025	104	3.9	39348	46145		
LCS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.278		0.278		0.278	0.278	0.0004	0.001	0.001	0.001	0.25	111.2		39348	46145		
LCSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.277		0.277		0.277	0.277	0.0004	0.001	0.001	0.001	0.25	110.8	0.4	39348	46145		
LCS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.279		0.279		0.279	0.279	0.0004	0.001	0.001	0.001	0.25	111.6		39348	46145		
LCSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.282		0.282		0.282	0.282	0.0004	0.001	0.001	0.001	0.25	112.8	1.1	39348	46145		
LCS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.112		0.112		0.112	0.112	0.0005	0.001	0.001	0.001	0.1	112		39348	46145		
LCSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.111		0.111		0.111	0.111	0.0005	0.001	0.001	0.001	0.1	111	0.9	39348	46145		
LCS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.131		0.131		0.131	0.131	0.0009	0.005	0.005	0.005	0.125	104.8		39348	46145		
LCSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.131		0.131		0.131	0.131	0.0009	0.005	0.005	0.005	0.125	104.8	0	39348	46145		
LCS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.27		0.27		0.27	0.27	0.0013	0.005	0.005	0.005	0.25	108		39348	46145		
LCSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.277		0.277		0.277	0.277	0.0013	0.005	0.005	0.005	0.25	110.8	2.6	39348	46145		
LCS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.526		0.526		0.526	0.526	0.0036	0.005	0.005	0.005	0.5	105.2		39348	46145		
LCSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.535		0.535		0.535	0.535	0.0036	0.005	0.005	0.005	0.5	107	1.7	39348	46145		
LCS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.278		0.278		0.278	0.278	0.0047	0.006	0.006	0.006	0.25	111.2		39348	46145		
LCSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.269		0.269		0.269	0.269	0.0047	0.006	0.006	0.006	0.25	107.6	3.3	39348	46145		
LCS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.46		0.46		0.46	0.46	0.0066	0.01	0.01	0.01	0.5	92		39348	46145		
LCSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.477		0.477		0.477	0.477	0.0066	0.01	0.01	0.01	0.5	95.4	3.6	39348	46145		
LCS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.339		0.339		0.339	0.339	0.0032	0.025	0.025	0.025	0.3	113		39348	46145		
LCSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.327		0.327		0.327	0.327	0.0032	0.025	0.025	0.025	0.3	109	3.6	39348	46145		
LCS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.509		0.509		0.509	0.509	0.0021	0.0021	0.0021	0.0021	0.5	101.8		39348	46145		
LCSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.513		0.513		0.513	0.513	0.0021	0.0021	0.0021	0.0021	0.5	102.6	0.8	39348	46145		
LCS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.256		0.256		0.256	0.256	0.0005	0.005	0.005	0.005	0.25	102.4		39348	46145		
LCSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.257		0.257		0.257	0.257	0.0005	0.005	0.005	0.005	0.25	102.8	0.4	39348	46145		
LCS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.261		0.261		0.261	0.261	0.0021	0.005	0.005	0.005	0.25	104.4		39348	46145		
LCSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.261		0.261		0.261	0.261	0.0021	0.005	0.005	0.005	0.25	104.4	0	39348	46145		
MS (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.132		0.132		0.132	0.132	0.0011	0.005	0.005	0.005	0.125	105.6		39348	46145		
MSD (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.134		0.134		0.134	0.134	0.0011	0.005	0.005	0.005	0.125	107.2	1.5	39348	46145		
MS (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.541		0.541		0.541	0.541	0.0026	0.005	0.005	0.005	0.5	108.2		39348	46145		
MSD (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.53		0.53		0.53	0.53	0.0026	0.005	0.005	0.005	0.5	106	2	39348	46145		
MS (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.15		1.15		1.15	1.15	0.0006	0.001	0.001	0.001	1	107.7		39348	46145		
MSD (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		1.18		1.18		1.18	1.18	0.0006	0.001	0.001	0.001	1	110.7	2.6	39348	46145		
MS (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.027		0.027		0.027	0.027	0.0011	0.002	0.002	0.002	0.025	108		39348	46145		
MSD (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.026		0.026		0.026	0.026	0.0011	0.002	0.002	0.002	0.025	104	3.8	39348	46145		
MS (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.273		0.273		0.273	0.273	0.0004	0.001	0.001	0.001	0.25	109.2		39348	46145		
MSD (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.279		0.279		0.279	0.279	0.0004	0.001	0.001	0.001	0.25	111.6	2.2	39348	46145		
MS (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.274		0.274		0.274	0.274	0.0004	0.001	0.001	0.001	0.25	109.6		39348	46145		
MSD (1)	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4		0.278		0.278		0.278	0.278	0.0004	0.001	0.001	0.001	0.25	111.2	1.4	39348	46145		
MS (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.112		0.112		0.112	0.112	0.0005	0.001	0.001	0.001	0.1	112		39348	46145		
MSD (1)	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3		0.114		0.114		0.114	0.114	0.0005	0.001	0.001	0.001	0.1	114	1.8	39348	46145		
MS (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.133		0.133		0.133	0.133	0.0009	0.005	0.005	0.005	0.125	106.4		39348	46145		
MSD (1)	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8		0.135		0.135		0.135	0.135	0.0009	0.005	0.005	0.005	0.125	108	1.5	39348	46145		
MS (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.271		0.271		0.271	0.271	0.0013	0.005	0.005	0.005	0.25	108.4		39348	46145		
MSD (1)	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0		0.276		0.276		0.276	0.276	0.0013	0.005	0.005	0.005	0.25	110.4	1.8	39348	46145		
MS (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.496		0.496		0.496	0.496	0.0036	0.005	0.005	0.005	0.5	99.2		39348	46145		
MSD (1)	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1		0.516		0.516		0.516	0.516	0.0036	0.005	0.005	0.005	0.5	103.2	4	39348	46145		
MS (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.267		0.267		0.267	0.267	0.0047	0.006	0.006	0.006	0.25	106.8		39348	46145		
MSD (1)	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0		0.268		0.268		0.268	0.268	0.0047	0.006	0.006	0.006	0.25	107.2	0.4	39348	46145		
MS (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.495		0.495		0.495	0.495	0.0066	0.01	0.01	0.01	0.5	99		39348	46145		
MSD (1)	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2		0.496		0.496		0.496	0.496	0.0066	0.01	0.01	0.01	0.5	99.2	0.2	39348	46145		
MS (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.323		0.323		0.323	0.323	0.0032	0.025	0.025	0.025	0.3	107.667		39348	46145		
MSD (1)	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5		0.333		0.333		0.333	0.333	0.0032	0.025	0.025	0.025	0.3	111	3	39348	46145		
MS (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.562		0.562		0.562	0.562	0.0021	0.0021	0.0021	0.0021	0.5	112.4		39348	46145		
MSD (1)	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0		0.589		0.589		0.589	0.589	0.0021	0.0021	0.0021	0.0021	0.5	117.8	4.7	39348	46145		
MS (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.262		0.262		0.262	0.262	0.0005	0.005	0.005	0.005	0.25	102.4		39348	46145		
MSD (1)	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2		0.269		0.269		0.269	0.269	0.0005	0.005	0.005	0.005	0.25	105.2	2.6	39348	46145		
MS (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.26		0.26		0.26	0.26	0.0021	0.005	0.005	0.005	0.25	102.4		39348	46145		
MSD (1)	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6		0.266		0.266		0.266	0.266	0.0021	0.005	0.005	0.005	0.25	104.8	2.3	39348	46145		
Method Bl	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4	<	0.0011	<	0.005	<	0.005	0.005	0.0011	0.005	0.005	0.005	0			39348	46145		
Method Bl	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2	<	0.0026	<	0.005	<	0.005	0.005	0.0026	0.005	0.005	0.005	0			39348	46145		
Method Bl	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3	<	0.0006	<	0.001	<	0.001	0.001	0.0006	0.001	0.001	0.001	0			39348	46145		
Method Bl	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7	<	0.0011	<	0.002	<	0.002	0.002	0.0011	0.002	0.002	0.002	0			39348	46145		
Method Bl	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			39348	46145		
Method Bl	Co, Total	S 6010B	mg/L	1	no	Total Cobal	7440-48-4	<	0.0004	<	0.001	<	0.001	0.001	0.0004	0.001	0.001	0.001	0			39348	46145		
Method Bl	Cr, Total	S 6010B	mg/L	1	no	Total Chror	7440-47-3	<	0.0005	<	0.001	<	0.001	0.001	0.0005	0.001	0.001	0.001	0			39348	46145		
Method Bl	Cu, Total	S 6010B	mg/L	1	no	Total Copp	7440-50-8	<	0.0009	<	0.005	<	0.005	0.005	0.0009	0.005	0.005	0.005	0			39348	46145		
Method Bl	Ni, Total	S 6010B	mg/L	1	no	Total Nicke	7440-02-0	<	0.0013	<	0.005	<	0.005	0.005	0.0013	0.005	0.005	0.005	0			39348	46145		
Method Bl	Pb, Total	S 6010B	mg/L	1	no	Total Lead	7439-92-1	<	0.0036	<	0.005	<	0.005	0.005	0.0036	0.005	0.005	0.005	0			39348	46145		
Method Bl	Sb, Total	S 6010B	mg/L	1	no	Total Antin	7440-36-0	<	0.0047	<	0.006	<	0.006	0.006	0.0047	0.006	0.006	0.006	0			39348	46145		
Method Bl	Se, Total	S 6010B	mg/L	1	no	Total Selen	7782-49-2	<	0.0066	<	0.01	<	0.01	0.01	0.0066	0.01	0.01	0.01	0			39348	46145		
Method Bl	Sn, Total	S 6010B	mg/L	1	no	Total Tin	7440-31-5	<	0.0032	<	0.025	<	0.025	0.025	0.0032	0.025	0.025	0.025	0			39348	46145		
Method Bl	Tl, Total	S 6010B	mg/L	1	no	Total Thalli	7440-28-0	<	0.0021	<	0.0021	<	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0			39348	46145		
Method Bl	V, Total	S 6010B	mg/L	1	no	Total Vana	7440-62-2	<	0.0005	<	0.005	<	0.005	0.005	0.0005	0.005	0.005	0.005	0			39348	46145		
Method Bl	Zn, Total	S 6010B	mg/L	1	no	Total Zinc	7440-66-6	<	0.0021	<	0.005	<	0.005	0.005	0.0021	0.005	0.005	0.005	0			39348	46145		
ICV (1)	Ag, Total	S 6010B	mg/L	1	no	Total Silver	7440-22-4		0.122		0.122		0.122	0.122	0	0	0	0	0.125	97.6		39348	46145		
ICV (1)	As, Total	S 6010B	mg/L	1	no	Total Arser	7440-38-2		0.988		0.988		0.988	0.988	0	0	0	0	1	98.8		39348	46145		
ICV (1)	Ba, Total	S 6010B	mg/L	1	no	Total Bariu	7440-39-3		0.991		0.991		0.991	0.991	0	0	0	0	1	99.1		39348	46145		
ICV (1)	Be, Total	S 6010B	mg/L	1	no	Total Beryl	7440-41-7		0.993		0.993		0.993	0.993	0	0	0	0	1	99.3		39348	46145		
ICV (1)	Cd, Total	S 6010B	mg/L	1	no	Total Cadm	7440-43-9		0.955		0.955		0.955	0.955	0	0	0	0	1	95.5		39348	46145		

ICV (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal 7440-48-4	0.999	0.999	0.999	0.999	0	0	0	0	1	99.9		39348	46145
ICV (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chroi 7440-47-3	0.962	0.962	0.962	0.962	0	0	0	0	1	96.2		39348	46145
ICV (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp 7440-50-8	0.975	0.975	0.975	0.975	0	0	0	0	1	97.5		39348	46145
ICV (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke 7440-02-0	1.02	1.02	1.02	1.02	0	0	0	0	1	102		39348	46145
ICV (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead 7439-92-1	1	1	1	1	0	0	0	0	1	100		39348	46145
ICV (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin 7440-36-0	1.03	1.03	1.03	1.03	0	0	0	0	1	103		39348	46145
ICV (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen 7782-49-2	0.976	0.976	0.976	0.976	0	0	0	0	1	97.6		39348	46145
ICV (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin 7440-31-5	0.977	0.977	0.977	0.977	0	0	0	0	1	97.7		39348	46145
ICV (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli 7440-28-0	0.981	0.981	0.981	0.981	0	0	0	0	1	98.1		39348	46145
ICV (1)	V, Total	S 6010B	mg/L	1 no	Total Vana 7440-62-2	0.957	0.957	0.957	0.957	0	0	0	0	1	95.7		39348	46145
ICV (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc 7440-66-6	0.996	0.996	0.996	0.996	0	0	0	0	1	99.6		39348	46145
CCV (1)	Ag, Total	S 6010B	mg/L	1 no	Total Silver 7440-22-4	0.135	0.135	0.135	0.135	0	0	0	0	0.125	108		39348	46145
CCV (1)	As, Total	S 6010B	mg/L	1 no	Total Arser 7440-38-2	1.08	1.08	1.08	1.08	0	0	0	0	1	108		39348	46145
CCV (1)	Ba, Total	S 6010B	mg/L	1 no	Total Bariu 7440-39-3	1.07	1.07	1.07	1.07	0	0	0	0	1	107		39348	46145
CCV (1)	Be, Total	S 6010B	mg/L	1 no	Total Beryl 7440-41-7	1.1	1.1	1.1	1.1	0	0	0	0	1	110		39348	46145
CCV (1)	Cd, Total	S 6010B	mg/L	1 no	Total Cadm 7440-43-9	1.05	1.05	1.05	1.05	0	0	0	0	1	105		39348	46145
CCV (1)	Co, Total	S 6010B	mg/L	1 no	Total Cobal 7440-48-4	1.1	1.1	1.1	1.1	0	0	0	0	1	110		39348	46145
CCV (1)	Cr, Total	S 6010B	mg/L	1 no	Total Chroi 7440-47-3	1.06	1.06	1.06	1.06	0	0	0	0	1	106		39348	46145
CCV (1)	Cu, Total	S 6010B	mg/L	1 no	Total Copp 7440-50-8	1.07	1.07	1.07	1.07	0	0	0	0	1	107		39348	46145
CCV (1)	Ni, Total	S 6010B	mg/L	1 no	Total Nicke 7440-02-0	1.1	1.1	1.1	1.1	0	0	0	0	1	110		39348	46145
CCV (1)	Pb, Total	S 6010B	mg/L	1 no	Total Lead 7439-92-1	1.07	1.07	1.07	1.07	0	0	0	0	1	107		39348	46145
CCV (1)	Sb, Total	S 6010B	mg/L	1 no	Total Antin 7440-36-0	1.03	1.03	1.03	1.03	0	0	0	0	1	103		39348	46145
CCV (1)	Se, Total	S 6010B	mg/L	1 no	Total Selen 7782-49-2	1.09	1.09	1.09	1.09	0	0	0	0	1	109		39348	46145
CCV (1)	Sn, Total	S 6010B	mg/L	1 no	Total Tin 7440-31-5	1.07	1.07	1.07	1.07	0	0	0	0	1	107		39348	46145
CCV (1)	Tl, Total	S 6010B	mg/L	1 no	Total Thalli 7440-28-0	1.08	1.08	1.08	1.08	0	0	0	0	1	108		39348	46145
CCV (1)	V, Total	S 6010B	mg/L	1 no	Total Vana 7440-62-2	1.06	1.06	1.06	1.06	0	0	0	0	1	106		39348	46145
CCV (1)	Zn, Total	S 6010B	mg/L	1 no	Total Zinc 7440-66-6	1.04	1.04	1.04	1.04	0	0	0	0	1	104		39348	46145
LCS (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	0.00103	0.00103	0.00103	0.00103	2.51E-05	0.0002	0.0002	0.0002	0.001	103		38103	46146
LCSD (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	0.00105	0.00105	0.00105	0.00105	2.51E-05	0.0002	0.0002	0.0002	0.001	105	1.9	38103	46146
MS (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	0.00104	0.00104	0.00104	0.00104	2.51E-05	0.0002	0.0002	0.0002	0.001	104		38103	46146
MSD (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	0.00104	0.00104	0.00104	0.00104	2.51E-05	0.0002	0.0002	0.0002	0.001	104	0	38103	46146
Method Bl	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	< 2.51E-05	< 0.0002	< 0.0002	0.0002	2.51E-05	0.0002	0.0002	0.0002	0			38103	46146
ICV (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	0.00099	0.00099	0.00099	0.00099	2.51E-05	0.0002	0.0002	0.0002	0.001	99		38103	46146
CCV (1)	Hg, Total	S 7470A	mg/L	1 no	Total Merc 7439-97-6	0.00102	0.00102	0.00102	0.00102	2.51E-05	0.0002	0.0002	0.0002	0.001	102		38103	46146

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 4, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TDS	E 160.1

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44265	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38129	Sample Preparation:	2007-12-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**184**		mg/L	1	5.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44265	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38129	Sample Preparation:	2007-12-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**566**		mg/L	1	5.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44265	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38129	Sample Preparation:	2007-12-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**350**		mg/L	1	5.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44619	Date Analyzed:	2007-12-31	Analyzed By:	MD
Prep Batch:	38430	Sample Preparation:	2007-12-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**434**		mg/L	1	5.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44619	Date Analyzed:	2007-12-31	Analyzed By:	MD
Prep Batch:	38430	Sample Preparation:	2007-12-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**284**		mg/L	1	5.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**490**		mg/L	1	5.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**472**		mg/L	1	5.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**458**		mg/L	1	5.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**342**		mg/L	1	5.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**422**		mg/L	1	5.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**272**		mg/L	1	5.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**222**		mg/L	1	5.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**266**		mg/L	1	5.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**226**		mg/L	1	5.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**272**		mg/L	1	5.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**108**		mg/L	1	5.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**342**		mg/L	1	5.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	Sample Preparation:	2008-01-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**254**		mg/L	1	5.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45040	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38788	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**296**		mg/L	1	5.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45040	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38788	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**424**		mg/L	1	5.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45040	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38788	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**420**		mg/L	1	5.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45041	Date Analyzed:	2008-01-21	Analyzed By:	MD
Prep Batch:	38789	Sample Preparation:	2008-01-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**218**		mg/L	1	5.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45041	Date Analyzed:	2008-01-21	Analyzed By:	MD
Prep Batch:	38789	Sample Preparation:	2008-01-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1180**		mg/L	1	5.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45041	Date Analyzed:	2008-01-21	Analyzed By:	MD
Prep Batch:	38789	Sample Preparation:	2008-01-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**530**		mg/L	1	5.00

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45245	Date Analyzed:	2008-01-28	Analyzed By:	MD
Prep Batch:	38966	Sample Preparation:	2008-01-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**336**		mg/L	1	5.00

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45245	Date Analyzed:	2008-01-28	Analyzed By:	MD
Prep Batch:	38966	Sample Preparation:	2008-01-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**240**		mg/L	1	5.00

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45248	Date Analyzed:	2008-01-30	Analyzed By:	JG
Prep Batch:	38971	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**198**		mg/L	1	5.00

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45248	Date Analyzed:	2008-01-30	Analyzed By:	JG
Prep Batch:	38971	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**192**		mg/L	1	5.00

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	45248	Date Analyzed:	2008-01-30	Analyzed By:	JG
Prep Batch:	38971	Sample Preparation:	2008-01-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**320**		mg/L	1	5.00

Method Blank (1) QC Batch: 44265

QC Batch:	44265	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38129	QC Preparation:	2007-12-21	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 44619

QC Batch:	44619	Date Analyzed:	2007-12-31	Analyzed By:	MD
Prep Batch:	38430	QC Preparation:	2007-12-31	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 44677

QC Batch:	44677	Date Analyzed:	2007-01-09	Analyzed By:	MD
Prep Batch:	38473	QC Preparation:	2008-01-09	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 45039

QC Batch:	45039	Date Analyzed:	2008-01-14	Analyzed By:	JG
Prep Batch:	38787	QC Preparation:	2008-01-14	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 45040

QC Batch:	45040	Date Analyzed:	2008-01-18	Analyzed By:	MD
Prep Batch:	38788	QC Preparation:	2008-01-18	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 45041

QC Batch:	45041	Date Analyzed:	2008-01-21	Analyzed By:	MD
Prep Batch:	38789	QC Preparation:	2008-01-21	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 45245

QC Batch:	45245	Date Analyzed:	2008-01-28	Analyzed By:	MD
Prep Batch:	38966	QC Preparation:	2008-01-28	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 45248

QC Batch:	45248	Date Analyzed:	2008-01-30	Analyzed By:	JG
Prep Batch:	38971	QC Preparation:	2008-01-30	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Duplicates (1)

QC Batch:	44265	Date Analyzed:	2007-12-21	Analyzed By:	MD
Prep Batch:	38129	QC Preparation:	2007-12-21	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	248	244	mg/L	1	2	20

Duplicates (1)

QC Batch:	44619	Date Analyzed:	2007-12-31	Analyzed By:	MD
Prep Batch:	38430	QC Preparation:	2007-12-31	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	262	284	mg/L	1	8	20

Duplicates (1)

QC Batch: 44677 Date Analyzed: 2007-01-09 Analyzed By: MD
Prep Batch: 38473 QC Preparation: 2008-01-09 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	498	472	mg/L	1	5	20

Duplicates (1)

QC Batch: 45039 Date Analyzed: 2008-01-14 Analyzed By: JG
Prep Batch: 38787 QC Preparation: 2008-01-14 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	198	222	mg/L	1	11	20

Duplicates (1)

QC Batch: 45040 Date Analyzed: 2008-01-18 Analyzed By: MD
Prep Batch: 38788 QC Preparation: 2008-01-18 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	298	296	mg/L	1	1	20

Duplicates (1)

QC Batch: 45041 Date Analyzed: 2008-01-21 Analyzed By: MD
Prep Batch: 38789 QC Preparation: 2008-01-21 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	562	530	mg/L	1	6	20

Duplicates (1)

QC Batch: 45245 Date Analyzed: 2008-01-28 Analyzed By: MD
Prep Batch: 38966 QC Preparation: 2008-01-28 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	342	336	mg/L	1	2	20

Standard (ICV-1)

QC Batch: 44265 Date Analyzed: 2007-12-21 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	997	100	92 - 107	2007-12-21

Standard (CCV-1)

QC Batch: 44265 Date Analyzed: 2007-12-21 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	990	99	92 - 107	2007-12-21

Standard (ICV-1)

QC Batch: 44619 Date Analyzed: 2007-12-31 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	995	100	92 - 107	2007-12-31

Standard (CCV-1)

QC Batch: 44619 Date Analyzed: 2007-12-31 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	989	99	92 - 107	2007-12-31

Standard (ICV-1)

QC Batch: 44677 Date Analyzed: 2007-01-09 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	995	100	92 - 107	2007-01-09

Standard (CCV-1)

QC Batch: 44677 Date Analyzed: 2007-01-09 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	92 - 107	2007-01-09

Standard (ICV-1)

QC Batch: 45039 Date Analyzed: 2008-01-14 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	998	100	92 - 107	2008-01-14

Standard (CCV-1)

QC Batch: 45039 Date Analyzed: 2008-01-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	996	100	92 - 107	2008-01-14

Standard (ICV-1)

QC Batch: 45040 Date Analyzed: 2008-01-18 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	989	99	92 - 107	2008-01-18

Standard (CCV-1)

QC Batch: 45040 Date Analyzed: 2008-01-18 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	92 - 107	2008-01-18

Standard (ICV-1)

QC Batch: 45041 Date Analyzed: 2008-01-21 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	979	98	92 - 107	2008-01-21

Standard (CCV-1)

QC Batch: 45041 Date Analyzed: 2008-01-21 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	976	98	92 - 107	2008-01-21

Standard (ICV-1)

QC Batch: 45245 Date Analyzed: 2008-01-28 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	994	99	92 - 107	2008-01-28

Standard (CCV-1)

QC Batch: 45245 Date Analyzed: 2008-01-28 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	989	99	92 - 107	2008-01-28

Standard (ICV-1)

QC Batch: 45248 Date Analyzed: 2008-01-30 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	92 - 107	2008-01-30

Standard (CCV-1)

QC Batch: 45248 Date Analyzed: 2008-01-30 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	92 - 107	2008-01-30

Standard (CCV-2)

QC Batch: 45248 Date Analyzed: 2008-01-30 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	92 - 107	2008-01-30

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Total Cyanide	SM 4500-CN C,E

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44121	Date Analyzed:	2007-12-21	Analyzed By:	MM
Prep Batch:	38020	Sample Preparation:	2007-12-21	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.354**	mg/L	10	0.0150

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.241**	mg/L	1	0.0150

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.258**	mg/L	1	0.0150

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0320**	mg/L	1	0.0150

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.257**	mg/L	1	0.0150

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.246**	mg/L	10	0.0150

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.413**	mg/L	10	0.0150

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.149**	mg/L	1	0.0150

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	Sample Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.396**	mg/L	2	0.0150

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.248**	mg/L	1	0.0150

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.0990**	mg/L	1	0.0150

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.182**	mg/L	10	0.0150

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.174**	mg/L	10	0.0150

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.342**	mg/L	10	0.0150

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	Sample Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.334**	mg/L	10	0.0150

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	Sample Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.483**	mg/L	10	0.0150

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45202	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38931	Sample Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.116**	mg/L	1	0.0150

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45202	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38931	Sample Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45202	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38931	Sample Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45332	Date Analyzed:	2008-02-06	Analyzed By:	MM
Prep Batch:	39048	Sample Preparation:	2008-02-06	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	45332	Date Analyzed:	2008-02-06	Analyzed By:	MM
Prep Batch:	39048	Sample Preparation:	2008-02-06	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0150	mg/L	1	0.0150

Method Blank (1) QC Batch: 44121

QC Batch:	44121	Date Analyzed:	2007-12-21	Analyzed By:	MM
Prep Batch:	38020	QC Preparation:	2007-12-21	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.0103	mg/L	0.015

Method Blank (1) QC Batch: 44721

QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	QC Preparation:	2008-01-15	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.0103	mg/L	0.015

Method Blank (1) QC Batch: 45025

QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	QC Preparation:	2008-01-24	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.0103	mg/L	0.015

Method Blank (1) QC Batch: 45027

QC Batch:	45027	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38777	QC Preparation:	2008-01-25	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.0103	mg/L	0.015

Method Blank (1) QC Batch: 45202

QC Batch:	45202	Date Analyzed:	2008-01-30	Analyzed By:	MM
Prep Batch:	38931	QC Preparation:	2008-01-30	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.0103	mg/L	0.015

Method Blank (1) QC Batch: 45332

QC Batch:	45332	Date Analyzed:	2008-02-06	Analyzed By:	MM
Prep Batch:	39048	QC Preparation:	2008-02-06	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.0103	mg/L	0.015

Laboratory Control Spike (LCS-1)

QC Batch:	44121	Date Analyzed:	2007-12-21	Analyzed By:	MM
Prep Batch:	38020	QC Preparation:	2007-12-21	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.115	mg/L	1	0.120	<0.0103	96	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.118	mg/L	1	0.120	<0.0103	98	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	44721	Date Analyzed:	2008-01-15	Analyzed By:	MM
Prep Batch:	38505	QC Preparation:	2008-01-15	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.118	mg/L	1	0.120	<0.0103	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.123	mg/L	1	0.120	<0.0103	102	80 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	45025	Date Analyzed:	2008-01-25	Analyzed By:	MM
Prep Batch:	38775	QC Preparation:	2008-01-24	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.124	mg/L	1	0.120	<0.0103	103	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.121	mg/L	1	0.120	<0.0103	101	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45027 Date Analyzed: 2008-01-25 Analyzed By: MM
Prep Batch: 38777 QC Preparation: 2008-01-25 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.126	mg/L	1	0.120	<0.0103	105	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.124	mg/L	1	0.120	<0.0103	103	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45202 Date Analyzed: 2008-01-30 Analyzed By: MM
Prep Batch: 38931 QC Preparation: 2008-01-30 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.127	mg/L	1	0.120	<0.0103	106	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.113	mg/L	1	0.120	<0.0103	94	80 - 120	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45332 Date Analyzed: 2008-02-06 Analyzed By: MM
Prep Batch: 39048 QC Preparation: 2008-02-06 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.126	mg/L	1	0.120	<0.0103	105	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.120	mg/L	1	0.120	<0.0103	100	80 - 120	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145481

QC Batch: 44121 | Date Analyzed: 2007-12-21 | Analyzed By: MM
Prep Batch: 38020 | QC Preparation: 2007-12-21 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.121	mg/L	1	0.120	<0.0103	101	29.4 - 147

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.114	mg/L	1	0.120	<0.0103	95	29.4 - 147	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147478

QC Batch: 44721 | Date Analyzed: 2008-01-15 | Analyzed By: MM
Prep Batch: 38505 | QC Preparation: 2008-01-15 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	1.41	mg/L	10	1.20	<0.103	118	29.4 - 147

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide [1]	0.259	mg/L	10	1.20	<0.103	22	29.4 - 147	138	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample:

QC Batch: 45025 | Date Analyzed: 2008-01-25 | Analyzed By: MM
Prep Batch: 38775 | QC Preparation: 2008-01-24 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.119	mg/L	1	0.120	<0.0103	99	29.4 - 147

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.109	mg/L	1	0.120	<0.0103	91	29.4 - 147	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 147540

QC Batch: 45027 | Date Analyzed: 2008-01-25 | Analyzed By: MM
Prep Batch: 38777 | QC Preparation: 2008-01-25 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0940	mg/L	1	0.120	<0.0103	78	29.4 - 147

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.107	mg/L	1	0.120	<0.0103	89	29.4 - 147	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 45202 | Date Analyzed: 2008-01-30 | Analyzed By: MM
Prep Batch: 38931 | QC Preparation: 2008-01-30 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0600	mg/L	1	0.120	<0.0103	50	29.4 - 147

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0440	mg/L	1	0.120	<0.0103	37	29.4 - 147	31	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 44121 | Date Analyzed: 2007-12-21 | Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.123	102	85 - 115	2007-12-21

Standard (CCV-1)

QC Batch: 44121 | Date Analyzed: 2007-12-21 | Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.124	103	85 - 115	2007-12-21

Standard (ICV-1)

QC Batch: 44721 Date Analyzed: 2008-01-15 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.126	105	85 - 115	2008-01-15

Standard (CCV-1)

QC Batch: 44721 Date Analyzed: 2008-01-15 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.113	94	85 - 115	2008-01-15

Standard (ICV-1)

QC Batch: 45025 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.124	103	85 - 115	2008-01-25

Standard (CCV-1)

QC Batch: 45025 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.121	101	85 - 115	2008-01-25

Standard (ICV-1)

QC Batch: 45027 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.121	101	85 - 115	2008-01-25

Standard (CCV-1)

QC Batch: 45027 Date Analyzed: 2008-01-25 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.127	106	85 - 115	2008-01-25

Standard (ICV-1)

QC Batch: 45202 Date Analyzed: 2008-01-30 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.125	104	85 - 115	2008-01-30

Standard (CCV-1)

QC Batch: 45202 Date Analyzed: 2008-01-30 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.115	96	85 - 115	2008-01-30

Standard (ICV-1)

QC Batch: 45332 Date Analyzed: 2008-02-06 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.132	110	85 - 115	2008-02-06

Standard (CCV-1)

QC Batch: 45332 Date Analyzed: 2008-02-06 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.128	107	85 - 115	2008-02-06

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 63 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (IC)	E 300.0
Fluoride (IC)	E 300.0
SO4 (IC)	E 300.0

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44165	Date Analyzed:	2007-12-18	Analyzed By:	JR
Prep Batch:	38053	Sample Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**18.0**	mg/L	2	2.00

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44165	Date Analyzed:	2007-12-18	Analyzed By:	JR
Prep Batch:	38053	Sample Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.410**	mg/L	1	0.200

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44165	Date Analyzed:	2007-12-18	Analyzed By:	JR
Prep Batch:	38053	Sample Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**48.8**	mg/L	5	1.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	Sample Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**85.4**	mg/L	10	2.00

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	Sample Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.250**	mg/L	1	0.200

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	Sample Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**141**	mg/L	10	1.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	Sample Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**53.3**	mg/L	2	2.00

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	Sample Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.220**	mg/L	1	0.200

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	Sample Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**75.5**	mg/L	2	1.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**59.5**	mg/L	5	2.00

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.370**	mg/L	1	0.200

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**106**	mg/L	5	1.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**37.6**	mg/L	5	2.00

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**4.09**	mg/L	2	0.200

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	Sample Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**51.1**	mg/L	5	1.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**49.4**	mg/L	2	2.00

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.260**	mg/L	1	0.200

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**124**	mg/L	5	1.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**76.4**	mg/L	5	2.00

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.300**	mg/L	1	0.200

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**136**	mg/L	5	1.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**54.0**	mg/L	5	2.00

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.260**	mg/L	1	0.200

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**117**	mg/L	5	1.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**63.8**	mg/L	5	2.00

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.390**	mg/L	1	0.200

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**54.4**	mg/L	5	1.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**54.2**	mg/L	5	2.00

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.260**	mg/L	1	0.200

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**118**	mg/L	5	1.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**32.0**	mg/L	2	2.00

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.330**	mg/L	1	0.200

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	Sample Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**42.4**	mg/L	2	1.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**15.4**	mg/L	2	2.00

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.400**	mg/L	1	0.200

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**36.3**	mg/L	2	1.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**30.0**	mg/L	2	2.00

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.390**	mg/L	1	0.200

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**50.4**	mg/L	5	1.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12.0**	mg/L	1	2.00

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.400**	mg/L	1	0.200

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**33.3**	mg/L	2	1.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11.6**	mg/L	1	2.00

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**0.420**	mg/L	1	0.200

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**46.6**	mg/L	5	1.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**11.5**	mg/L	1	2.00

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.420**	mg/L	1	0.200

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**46.4**	mg/L	5	1.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44837	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38614	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**40.1**	mg/L	5	2.00

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44837	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38614	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.340**	mg/L	1	0.200

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44837	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38614	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**85.0**	mg/L	5	1.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44837	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38614	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**23.0**	mg/L	2	2.00

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44837	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38614	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.270**	mg/L	1	0.200

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44837	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38614	Sample Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**33.1**	mg/L	2	1.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**38.1**	mg/L	2	2.00

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.330**	mg/L	1	0.200

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	Sample Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**63.4**	mg/L	5	1.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**68.2**	mg/L	5	2.00

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.300**	mg/L	1	0.200

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**105**	mg/L	5	1.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**68.2**	mg/L	5	2.00

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.300**	mg/L	1	0.200

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**105**	mg/L	5	1.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**13.4**	mg/L	1	2.00

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.410**	mg/L	1	0.200

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	Sample Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**46.6**	mg/L	5	1.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**193**	mg/L	10	2.00

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.320**	mg/L	1	0.200

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**419**	mg/L	10	1.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**57.5**	mg/L	5	2.00

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**0.230**	mg/L	1	0.200

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	Sample Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**144**	mg/L	10	1.00

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**30.6**	mg/L	5	0.500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**1.95**	mg/L	5	0.200

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**7810**	mg/L	1000	1.00

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**18.1**	mg/L	5	0.500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		<1.00	mg/L	5	0.200

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**55.4**	mg/L	5	1.00

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**14.6**	mg/L	5	0.500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		<1.00	mg/L	5	0.200

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**45.2**	mg/L	5	1.00

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**15.8**	mg/L	5	0.500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.00**	mg/L	5	0.200

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**30.9**	mg/L	5	1.00

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45385	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39094	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**41.3**	mg/L	5	0.500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45385	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39094	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		<1.00	mg/L	5	0.200

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	45385	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39094	Sample Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**50.6**	mg/L	5	1.00

Method Blank (1) QC Batch: 44165

QC Batch:	44165	Date Analyzed:	2007-12-18	Analyzed By:	JR
Prep Batch:	38053	QC Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44165

QC Batch:	44165	Date Analyzed:	2007-12-18	Analyzed By:	JR
Prep Batch:	38053	QC Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44165

QC Batch:	44165	Date Analyzed:	2007-12-18	Analyzed By:	JR
Prep Batch:	38053	QC Preparation:	2007-12-18	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44166

QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	QC Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44166

QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	QC Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44166

QC Batch:	44166	Date Analyzed:	2007-12-19	Analyzed By:	JR
Prep Batch:	38054	QC Preparation:	2007-12-19	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44420

QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	QC Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44420

QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	QC Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44420

QC Batch:	44420	Date Analyzed:	2007-12-28	Analyzed By:	JR
Prep Batch:	38258	QC Preparation:	2007-12-28	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44824

QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	QC Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44824

QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	QC Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44824

QC Batch:	44824	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38600	QC Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44835

QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	QC Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44835

QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	QC Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44835

QC Batch:	44835	Date Analyzed:	2008-01-09	Analyzed By:	JR
Prep Batch:	38612	QC Preparation:	2008-01-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44836

QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	QC Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44836

QC Batch:	44836	Date Analyzed:	2008-01-11	Analyzed By:	JR
Prep Batch:	38613	QC Preparation:	2008-01-11	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44836

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44837

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44837

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44837

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44838

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR
Prep Batch: 38615 QC Preparation: 2008-01-15 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44838

QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	QC Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44838

QC Batch:	44838	Date Analyzed:	2008-01-15	Analyzed By:	JR
Prep Batch:	38615	QC Preparation:	2008-01-15	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44881

QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	QC Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44881

QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	QC Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44881

QC Batch:	44881	Date Analyzed:	2008-01-17	Analyzed By:	JR
Prep Batch:	38649	QC Preparation:	2008-01-17	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 44883

QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	QC Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 44883

QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	QC Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 44883

QC Batch:	44883	Date Analyzed:	2008-01-18	Analyzed By:	JR
Prep Batch:	38651	QC Preparation:	2008-01-18	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 45380

QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	QC Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5

Method Blank (1) QC Batch: 45380

QC Batch:	45380	Date Analyzed:	2008-02-07	Analyzed By:	ER
Prep Batch:	39090	QC Preparation:	2008-02-07	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.119	mg/L	0.2

Method Blank (1) QC Batch: 45380

QC Batch: 45380 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39090 | QC Preparation: 2008-02-07 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.777	mg/L	1

Method Blank (1) QC Batch: 45385

QC Batch: 45385 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39094 | QC Preparation: 2008-02-07 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5

Method Blank (1) QC Batch: 45385

QC Batch: 45385 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39094 | QC Preparation: 2008-02-07 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.119	mg/L	0.2

Method Blank (1) QC Batch: 45385

QC Batch: 45385 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39094 | QC Preparation: 2008-02-07 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.777	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch: 44165 | Date Analyzed: 2007-12-18 | Analyzed By: JR
Prep Batch: 38053 | QC Preparation: 2007-12-18 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR
Prep Batch: 38053 QC Preparation: 2007-12-18 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR
Prep Batch: 38053 QC Preparation: 2007-12-18 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR
Prep Batch: 38054 QC Preparation: 2007-12-19 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR
Prep Batch: 38054 QC Preparation: 2007-12-19 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR
Prep Batch: 38054 QC Preparation: 2007-12-19 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38258 QC Preparation: 2007-12-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38258 QC Preparation: 2007-12-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.43	mg/L	1	2.50	<0.0434	97	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38258 QC Preparation: 2007-12-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38600 QC Preparation: 2008-01-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44824 | Date Analyzed: 2008-01-09 | Analyzed By: JR
Prep Batch: 38600 | QC Preparation: 2008-01-09 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.41	mg/L	1	2.50	<0.0434	96	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.41	mg/L	1	2.50	<0.0434	96	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44824 | Date Analyzed: 2008-01-09 | Analyzed By: JR
Prep Batch: 38600 | QC Preparation: 2008-01-09 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44835 | Date Analyzed: 2008-01-09 | Analyzed By: JR
Prep Batch: 38612 | QC Preparation: 2008-01-09 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44835 | Date Analyzed: 2008-01-09 | Analyzed By: JR
Prep Batch: 38612 | QC Preparation: 2008-01-09 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.41	mg/L	1	2.50	<0.0434	96	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.42	mg/L	1	2.50	<0.0434	97	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38612 QC Preparation: 2008-01-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.43	mg/L	1	2.50	<0.0434	97	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.43	mg/L	1	2.50	<0.0434	97	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.171	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44837 | Date Analyzed: 2008-01-11 | Analyzed By: JR
Prep Batch: 38614 | QC Preparation: 2008-01-11 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44838 | Date Analyzed: 2008-01-15 | Analyzed By: JR
Prep Batch: 38615 | QC Preparation: 2008-01-15 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.171	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44838 | Date Analyzed: 2008-01-15 | Analyzed By: JR
Prep Batch: 38615 | QC Preparation: 2008-01-15 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.42	mg/L	1	2.50	<0.0434	97	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.43	mg/L	1	2.50	<0.0434	97	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44838 | Date Analyzed: 2008-01-15 | Analyzed By: JR
Prep Batch: 38615 | QC Preparation: 2008-01-15 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR
Prep Batch: 38649 QC Preparation: 2008-01-17 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.171	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.171	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR
Prep Batch: 38649 QC Preparation: 2008-01-17 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.46	mg/L	1	2.50	<0.0434	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.43	mg/L	1	2.50	<0.0434	97	88.6 - 107	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR
Prep Batch: 38649 QC Preparation: 2008-01-17 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.5	mg/L	1	12.5	<0.162	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.4	mg/L	1	12.5	<0.162	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR
Prep Batch: 38651 QC Preparation: 2008-01-18 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.171	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.171	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR
Prep Batch: 38651 QC Preparation: 2008-01-18 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.44	mg/L	1	2.50	<0.0434	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.42	mg/L	1	2.50	<0.0434	97	88.6 - 107	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR
Prep Batch: 38651 QC Preparation: 2008-01-18 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.4	mg/L	1	12.5	<0.162	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45380 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39090 | QC Preparation: 2008-02-07 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.5	mg/L	1	12.5	<0.172	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.5	mg/L	1	12.5	<0.172	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45380 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39090 | QC Preparation: 2008-02-07 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.36	mg/L	1	2.50	<0.0119	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.37	mg/L	1	2.50	<0.0119	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45380 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39090 | QC Preparation: 2008-02-07 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11.3	mg/L	1	12.5	<0.777	90	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11.2	mg/L	1	12.5	<0.777	90	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45385 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39094 | QC Preparation: 2008-02-07 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.4	mg/L	1	12.5	<0.172	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.4	mg/L	1	12.5	<0.172	91	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER
Prep Batch: 39094 QC Preparation: 2008-02-07 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.36	mg/L	1	2.50	<0.0119	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.36	mg/L	1	2.50	<0.0119	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER
Prep Batch: 39094 QC Preparation: 2008-02-07 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11.3	mg/L	1	12.5	<0.777	90	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11.2	mg/L	1	12.5	<0.777	90	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145765

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR
Prep Batch: 38053 QC Preparation: 2007-12-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	77.4	mg/L	5	62.5	18	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	77.3	mg/L	5	62.5	18	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145765

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR
Prep Batch: 38053 QC Preparation: 2007-12-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.5	mg/L	5	12.5	0.41	97	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.5	mg/L	5	12.5	0.41	97	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145765

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR
Prep Batch: 38053 QC Preparation: 2007-12-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	108	mg/L	5	62.5	48.7	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	108	mg/L	5	62.5	48.7	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145751

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR
Prep Batch: 38054 QC Preparation: 2007-12-19 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	64.6	mg/L	5	62.5	5.73	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	64.6	mg/L	5	62.5	5.73	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145751

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR
Prep Batch: 38054 QC Preparation: 2007-12-19 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.4	mg/L	5	12.5	0.48	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.4	mg/L	5	12.5	0.48	95	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145751

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR
Prep Batch: 38054 QC Preparation: 2007-12-19 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	79.6	mg/L	5	62.5	20.3	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	79.6	mg/L	5	62.5	20.3	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146657

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38258 QC Preparation: 2007-12-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	96.2	mg/L	5	62.5	37.6	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	96.1	mg/L	5	62.5	37.6	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146657

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38258 QC Preparation: 2007-12-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.3	mg/L	5	12.5	0.49	94	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.2	mg/L	5	12.5	0.49	94	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146657

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR
Prep Batch: 38258 QC Preparation: 2007-12-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	109	mg/L	5	62.5	51.1	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	109	mg/L	5	62.5	51.1	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147479

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38600 QC Preparation: 2008-01-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	89.6	mg/L	5	62.5	32	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	89.8	mg/L	5	62.5	32	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147479

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38600 QC Preparation: 2008-01-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.2	mg/L	5	12.5	0.33	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.2	mg/L	5	12.5	0.33	95	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147479

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38600 QC Preparation: 2008-01-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	99.4	mg/L	5	62.5	42.4	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	99.5	mg/L	5	62.5	42.4	91	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147477

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38612 QC Preparation: 2008-01-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	123	mg/L	5	62.5	63.8	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	123	mg/L	5	62.5	63.8	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147477

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38612 QC Preparation: 2008-01-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.3	mg/L	5	12.5	0.39	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.3	mg/L	5	12.5	0.39	95	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147477

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR
Prep Batch: 38612 QC Preparation: 2008-01-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	112	mg/L	5	62.5	54.4	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	112	mg/L	5	62.5	54.4	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147538

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	74.5	mg/L	5	62.5	15.4	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	74.4	mg/L	5	62.5	15.4	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147538

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.3	mg/L	5	12.5	0.4	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.4	mg/L	5	12.5	0.4	96	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147538

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38613 QC Preparation: 2008-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	95.2	mg/L	5	62.5	36.3	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	95.0	mg/L	5	62.5	36.3	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147801

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/L	5	62.5	40.1	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.4	mg/L	5	62.5	40.1	95	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147801

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.4	mg/L	5	12.5	0.34	96	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.4	mg/L	5	12.5	0.34	96	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147801

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR
Prep Batch: 38614 QC Preparation: 2008-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	143	mg/L	5	62.5	85	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	143	mg/L	5	62.5	85	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147800

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR
Prep Batch: 38615 QC Preparation: 2008-01-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	70.4	mg/L	5	62.5	11.5	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	70.2	mg/L	5	62.5	11.5	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147800

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR
Prep Batch: 38615 QC Preparation: 2008-01-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.4	mg/L	5	12.5	0.42	96	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.4	mg/L	5	12.5	0.42	96	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147800

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR
Prep Batch: 38615 QC Preparation: 2008-01-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	104	mg/L	5	62.5	46.4	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	104	mg/L	5	62.5	46.4	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148461

QC Batch: 44881 | Date Analyzed: 2008-01-17 | Analyzed By: JR
Prep Batch: 38649 | QC Preparation: 2008-01-17 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	72.9	mg/L	5	62.5	13.4	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	72.9	mg/L	5	62.5	13.4	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148461

QC Batch: 44881 | Date Analyzed: 2008-01-17 | Analyzed By: JR
Prep Batch: 38649 | QC Preparation: 2008-01-17 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.5	mg/L	5	12.5	0.41	97	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.5	mg/L	5	12.5	0.41	97	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148461

QC Batch: 44881 | Date Analyzed: 2008-01-17 | Analyzed By: JR
Prep Batch: 38649 | QC Preparation: 2008-01-17 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	105	mg/L	5	62.5	46.6	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	105	mg/L	5	62.5	46.6	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148533

QC Batch: 44883 | Date Analyzed: 2008-01-18 | Analyzed By: JR
Prep Batch: 38651 | QC Preparation: 2008-01-18 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	117	mg/L	5	62.5	57.5	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	117	mg/L	5	62.5	57.5	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148533

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR
Prep Batch: 38651 QC Preparation: 2008-01-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.0	mg/L	5	12.5	0.23	94	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.0	mg/L	5	12.5	0.23	94	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148533

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR
Prep Batch: 38651 QC Preparation: 2008-01-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	207	mg/L	5	62.5	144	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	207	mg/L	5	62.5	144	101	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149346

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER
Prep Batch: 39090 QC Preparation: 2008-02-07 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1900	mg/L	50	625	1285.26	98	53.3 - 180

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1900	mg/L	50	625	1285.26	98	53.3 - 180	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149346

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER
Prep Batch: 39090 QC Preparation: 2008-02-07 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	128	mg/L	50	125	<5.95	102	69.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	132	mg/L	50	125	<5.95	106	69.2 - 124	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149346

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER
Prep Batch: 39090 QC Preparation: 2008-02-07 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	591	mg/L	50	625	<38.8	91	71.6 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	578	mg/L	50	625	<38.8	89	71.6 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149559

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER
Prep Batch: 39094 QC Preparation: 2008-02-07 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1110	mg/L	50	625	467.648	103	53.3 - 180

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1110	mg/L	50	625	467.648	103	53.3 - 180	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149559

QC Batch: 45385 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39094 | QC Preparation: 2008-02-07 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	121	mg/L	50	125	<5.95	97	69.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	123	mg/L	50	125	<5.95	98	69.2 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149559

QC Batch: 45385 | Date Analyzed: 2008-02-07 | Analyzed By: ER
Prep Batch: 39094 | QC Preparation: 2008-02-07 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	1130	mg/L	50	625	580.859	88	71.6 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	1120	mg/L	50	625	580.859	86	71.6 - 123	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 44165 | Date Analyzed: 2007-12-18 | Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-12-18

Standard (ICV-1)

QC Batch: 44165 | Date Analyzed: 2007-12-18 | Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.39	96	90 - 110	2007-12-18

Standard (ICV-1)

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-12-18

Standard (CCV-1)

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-12-18

Standard (CCV-1)

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-12-18

Standard (CCV-1)

QC Batch: 44165 Date Analyzed: 2007-12-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-12-18

Standard (ICV-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-12-19

Standard (ICV-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2007-12-19

Standard (ICV-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-12-19

Standard (CCV-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-12-19

Standard (CCV-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-12-19

Standard (CCV-1)

QC Batch: 44166 Date Analyzed: 2007-12-19 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-12-19

Standard (ICV-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44420 Date Analyzed: 2007-12-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.36	94	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44824 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2008-01-09

Standard (CCV-1)

QC Batch: 44835 Date Analyzed: 2008-01-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2008-01-09

Standard (ICV-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.39	96	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44836 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.41	96	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44837 Date Analyzed: 2008-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44838 Date Analyzed: 2008-01-15 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2008-01-17

Standard (ICV-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2008-01-17

Standard (ICV-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2008-01-17

Standard (CCV-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2008-01-17

Standard (CCV-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2008-01-17

Standard (CCV-1)

QC Batch: 44881 Date Analyzed: 2008-01-17 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	2008-01-17

Standard (ICV-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.41	96	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44883 Date Analyzed: 2008-01-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.9	95	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.2	90	90 - 110	2008-02-07

Standard (ICV-1)

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.27	91	90 - 110	2008-02-07

Standard (ICV-1)

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.2	90	90 - 110	2008-02-07

Standard (CCV-1)

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2008-02-07

Standard (CCV-1)

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.36	94	90 - 110	2008-02-07

Standard (CCV-1)

QC Batch: 45380 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.3	90	90 - 110	2008-02-07

Standard (ICV-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2008-02-07

Standard (ICV-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.36	94	90 - 110	2008-02-07

Standard (ICV-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.3	90	90 - 110	2008-02-07

Standard (CCV-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.2	90	90 - 110	2008-02-07

Standard (CCV-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.27	91	90 - 110	2008-02-07

Standard (CCV-1)

QC Batch: 45385 Date Analyzed: 2008-02-07 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.2	90	90 - 110	2008-02-07

Analytical and Quality Control Report

William Little
WTS
Building 126 3RD Floor
P.O. Box 363
WSMR, NM, 88002

Report Date: March 3, 2008

Work Order: 7121917

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145769	SGTP-6678-SMW-004-1207	water	2007-12-17	13:05	2007-12-18
146151	MNML-MPL-MPL-007-1207	water	2007-12-19	14:40	2007-12-20
146152	MNPL-MPL-MPL-002-1207	water	2007-12-19	10:53	2007-12-20
146656	MNPA-MPL-MPL-030-1207	water	2007-12-28	12:00	2007-12-28
146657	MNPA-MPL-MPL-017-1207	water	2007-12-27	13:16	2007-12-27
147267	MNPL-MPL-MPL-029-0108	water	2008-01-07	10:48	2008-01-07
147268	MNPL-MPL-MPL-028-0108	water	2008-01-07	13:45	2008-01-07
147476	MNPL-MPL-MPL-103-0108	water	2008-01-08	09:30	2008-01-08
147477	MNPL-MPL-MPL-005-0108	water	2008-01-08	15:00	2008-01-08
147478	MNPL-MPL-MPL-003-0108	water	2008-01-08	09:30	2008-01-08
147479	MNPL-MPL-MPL-001-0108	water	2008-01-08	13:22	2008-01-08
147538	MNPL-MPL-MPL-006-0108	water	2008-01-09	13:00	2008-01-09
147539	MNPL-MPL-MPL-013-0108	water	2008-01-09	09:52	2008-01-09
147540	MNPL-MPL-MPL-018-0108	water	2008-01-09	14:12	2008-01-09
147799	MNPL-MPL-MPL-123-0108	water	2008-01-11	13:25	2008-01-11
147800	MNPL-MPL-MPL-023-0108	water	2008-01-11	13:25	2008-01-11
147801	MNPL-MPL-MPL-010-0108	water	2008-01-10	13:01	2008-01-10
147802	MNPL-MPL-T-040-0108	water	2008-01-10	15:15	2008-01-10
148165	MNPL-MPL-MPL-024-0108	water	2008-01-14	13:02	2008-01-14
148265	MNPL-MPL-MPL-020-0108	water	2008-01-15	13:55	2008-01-15
148266	MNPL-MPL-MPL-120-0108	water	2008-01-15	13:55	2008-01-15
148461	MNPL-MPL-MPL-019-0108	water	2008-01-16	10:55	2008-01-16
148532	MNPL-MPL-MPL-026-0108	water	2008-01-17	15:00	2008-01-17
148533	MNPL-MPL-MPL-004-0108	water	2008-01-17	11:06	2008-01-17
148999	MNPL-MPL-MPL-016-0108	water	2008-01-24	10:48	2008-01-24
149214	SGTP-6678-SMW-001-0108	water	2008-01-28	11:35	2008-01-28
149299	MNPL-MPL-MPL-021-0108	water	2008-01-29	10:43	2008-01-29
149300	MNPL-MPL-MPL-022-0108	water	2008-01-29	15:37	2008-01-29
149364	MNPL-MPL-MPL-025-0108	water	2008-01-30	14:01	2008-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 350 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-12-18, 2007-12-20, 2007-12-20, 2007-12-28, 2007-12-27, 2008-01-07, 2008-01-07, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-08, 2008-01-09, 2008-01-09, 2008-01-09, 2008-01-11, 2008-01-11, 2008-01-10, 2008-01-10, 2008-01-14, 2008-01-15, 2008-01-15, 2008-01-16, 2008-01-17, 2008-01-17, 2008-01-24, 2008-01-28, 2008-01-29, 2008-01-29 and 2008-01-30 and assigned to work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 respectively. Samples for work order 7121917 were received intact at a temperature of 3.0 deg C.Samples for work order 7122130 were received intact at a temperature of 4.0 deg.C.Samples for work order 7122131 were received intact at a temperature of 4.0 deg C.Samples for work order 7123104 were received intact at a temperature of 4.0 deg C.Samples for work order 7123105 were received intact at a temperature of 4.0 deg C.Samples for work order 8010920 were received intact at a temperature of 4.0 deg C.Samples for work order 8010921 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011026 were received intact at a temperature of 4.0 deg C.Samples for work order 8011027 were received intact at a temperature of 4.0 deg C.Samples for work order 8011028 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011029 were received intact at a temperature of 4.0 deg C.Samples for work order 8011108 were received intact at a temperature of 4.0 deg C.Samples for work order 8011109 were received intact at a temperature of 4.0 deg C.Samples for work order 8011110 were received intact at a temperature of 4.0 deg C.Samples for work order 8011411 were received intact at a temperature of 4.0 deg C.Samples for work order 8011412 were received intact at a temperature of 4.0 deg C.Samples for work order 8011413 were received intact at a temperature of 4.0 deg C.Samples for work order 8011414 were received intact at a temperature of 4.0 deg.C.Samples for work order 8011616 were received intact at a temperature of 4.0 deg C.Samples for work order 8011711 were received intact at a temperature of 4.0 deg C.Samples for work order 8011712 were received intact at a temperature of 4.0 dec C.Samples for work order 8011822 were received intact at a temperature of 4.0 dec C.Samples for work order 8012105 were received intact at a temperature of 4.0 dec C.Samples for work order 8012106 were received intact at a temperature of 4.0 dec C.Samples for work order 8012810 were received intact at a temperature of 3.0 deg.C.Samples for work order 8013013 were received intact at a temperature of 4.0 deg C.Samples for work order 8013110 were received intact at a temperature of 4.0 deg.C.Samples for work order 8013111 were received intact at a temperature of 4.0 deg.C.Samples for work order 8020104 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Be, Total	S 6010B
Cd, Total	S 6010B
Co, Total	S 6010B
Cr, Total	S 6010B
Cu, Total	S 6010B
Hg, Total	S 7470A
Ni, Total	S 6010B
Pb, Total	S 6010B
Sb, Total	S 6010B
Se, Total	S 6010B
Tl, Total	S 6010B
V, Total	S 6010B
Zn, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7121917, 7122130, 7122131, 7123104, 7123105, 8010920, 8010921, 8011026, 8011027, 8011028, 8011029, 8011108, 8011109, 8011110, 8011411, 8011412, 8011413, 8011414, 8011616, 8011711, 8011712, 8011822, 8012105, 8012106, 8012810, 8013013, 8013110, 8013111 and 8020104 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0770**	mg/L	1	0.0100

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	Units	Dilution	RL
Total Chromium		<0.0100	mg/L	1	0.0100

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44086	Date Analyzed:	2007-12-21	Analyzed By:	TP
Prep Batch:	37974	Sample Preparation:	2007-12-21	Prepared By:	TP

Parameter	Flag	Result	Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		**0.102**	mg/L	1	0.0100

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0100	mg/L	1	0.0100

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 145769 - SGTP-6678-SMW-004-1207

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	Sample Preparation:	2007-12-21	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**0.02600**	mg/L	1	0.005000

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		**0.0550**	mg/L	1	0.00100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	46146	Date Analyzed:	2008-03-03	Analyzed By:	RR
Prep Batch:	38103	Sample Preparation:	2007-12-27	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 146151 - MNML-MPL-MPL-007-1207

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00600**	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0710**	mg/L	1	0.00100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44233	Date Analyzed:	2007-12-28	Analyzed By:	TP
Prep Batch:	38103	Sample Preparation:	2007-12-27	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00500**	mg/L	1	0.00500

Sample: 146152 - MNPL-MPL-MPL-002-1207

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	Sample Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00500**	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.115**	mg/L	1	0.00100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00800**	mg/L	1	0.00100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44312	Date Analyzed:	2007-12-31	Analyzed By:	TP
Prep Batch:	38163	Sample Preparation:	2007-12-31	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00600**	mg/L	1	0.00500

Sample: 146656 - MNPA-MPL-MPL-030-1207

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00600**	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0660**	mg/L	1	0.00100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00200**	mg/L	1	0.00100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44312	Date Analyzed:	2007-12-31	Analyzed By:	TP
Prep Batch:	38163	Sample Preparation:	2007-12-31	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00600**	mg/L	1	0.00500

Sample: 146657 - MNPA-MPL-MPL-017-1207

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	Sample Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		**0.00600**		mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Arsenic		<0.00500		mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		**0.0530**		mg/L	1	0.00100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Beryllium		**0.00200**		mg/L	1	0.00200

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44599	Date Analyzed:	2008-01-11	Analyzed By:	TP
Prep Batch:	38406	Sample Preparation:	2008-01-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 147267 - MNPL-MPL-MPL-029-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00600**	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0810**	mg/L	1	0.00100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		**0.00400**	mg/L	1	0.00200

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44599	Date Analyzed:	2008-01-11	Analyzed By:	TP
Prep Batch:	38406	Sample Preparation:	2008-01-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 147268 - MNPL-MPL-MPL-028-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	Sample Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0110**	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0470**	mg/L	1	0.00100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44599	Date Analyzed:	2008-01-11	Analyzed By:	TP
Prep Batch:	38406	Sample Preparation:	2008-01-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 147476 - MNPL-MPL-MPL-103-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00900**	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.124**	mg/L	1	0.00100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44599	Date Analyzed:	2008-01-11	Analyzed By:	TP
Prep Batch:	38406	Sample Preparation:	2008-01-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00600**	mg/L	1	0.00500

Sample: 147477 - MNPL-MPL-MPL-005-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0180**	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0480**	mg/L	1	0.00100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44599	Date Analyzed:	2008-01-11	Analyzed By:	TP
Prep Batch:	38406	Sample Preparation:	2008-01-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 147478 - MNPL-MPL-MPL-003-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**0.00800**	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		**0.101**	mg/L	1	0.00100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00300**	mg/L	1	0.00100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44599	Date Analyzed:	2008-01-11	Analyzed By:	TP
Prep Batch:	38406	Sample Preparation:	2008-01-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00500**	mg/L	1	0.00500

Sample: 147479 - MNPL-MPL-MPL-001-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	Sample Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00900**	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0990**	mg/L	1	0.00100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00600**	mg/L	1	0.00500

Sample: 147538 - MNPL-MPL-MPL-006-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		**0.0910**		mg/L	1	0.00100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Beryllium		<0.00200		mg/L	1	0.00200

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Cadmium		<0.00100		mg/L	1	0.00100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Cobalt		<0.00100		mg/L	1	0.00100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Chromium		<0.00100		mg/L	1	0.00100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00500**	mg/L	1	0.00500

Sample: 147539 - MNPL-MPL-MPL-013-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.132**	mg/L	1	0.00100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 147540 - MNPL-MPL-MPL-018-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44698	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0180**	mg/L	1	0.00100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00600**	mg/L	1	0.00100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 147799 - MNPL-MPL-MPL-123-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		**0.00700**		mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Arsenic		<0.00500		mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		**0.0210**		mg/L	1	0.00100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Beryllium		<0.00200		mg/L	1	0.00200

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00900**	mg/L	1	0.00100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 147800 - MNPL-MPL-MPL-023-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0130**	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.120**	mg/L	1	0.00100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00300**	mg/L	1	0.00100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 147801 - MNPL-MPL-MPL-010-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00600**	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		**0.137**		mg/L	1	0.00100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Beryllium		<0.00200		mg/L	1	0.00200

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Cadmium		<0.00100		mg/L	1	0.00100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Cobalt		<0.00100		mg/L	1	0.00100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Chromium		**0.0110**		mg/L	1	0.00100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	Sample Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		**0.0240**	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 147802 - MNPL-MPL-T-040-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	Sample Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00700**	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.102**	mg/L	1	0.00100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44825	Date Analyzed:	2008-01-18	Analyzed By:	TP
Prep Batch:	38590	Sample Preparation:	2008-01-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00500**	mg/L	1	0.00500

Sample: 148165 - MNPL-MPL-MPL-024-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00900**	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0700**	mg/L	1	0.00100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44825	Date Analyzed:	2008-01-18	Analyzed By:	TP
Prep Batch:	38590	Sample Preparation:	2008-01-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 148265 - MNPL-MPL-MPL-020-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00700**	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0720**	mg/L	1	0.00100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44825	Date Analyzed:	2008-01-18	Analyzed By:	TP
Prep Batch:	38590	Sample Preparation:	2008-01-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 148266 - MNPL-MPL-MPL-120-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44819	Date Analyzed:	2008-01-18	Analyzed By:	RR
Prep Batch:	38588	Sample Preparation:	2008-01-18	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**0.00700**	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		**0.0810**	mg/L	1	0.00100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.00400**	mg/L	1	0.00100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44979	Date Analyzed:	2008-01-24	Analyzed By:	TP
Prep Batch:	38738	Sample Preparation:	2008-01-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 148461 - MNPL-MPL-MPL-019-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	Sample Preparation:	2008-01-22	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00500**	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0640**	mg/L	1	0.00100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44979	Date Analyzed:	2008-01-24	Analyzed By:	TP
Prep Batch:	38738	Sample Preparation:	2008-01-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00500**	mg/L	1	0.00500

Sample: 148532 - MNPL-MPL-MPL-026-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00500**	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0760**	mg/L	1	0.00100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	44979	Date Analyzed:	2008-01-24	Analyzed By:	TP
Prep Batch:	38738	Sample Preparation:	2008-01-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		<0.00500	mg/L	1	0.00500

Sample: 148533 - MNPL-MPL-MPL-004-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	Sample Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.00500**	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	Units	Dilution	RL
Total Barium		**0.0730**	mg/L	1	0.00100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	45249	Date Analyzed:	2008-02-04	Analyzed By:	TP
Prep Batch:	38967	Sample Preparation:	2008-02-04	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	N/A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR
Prep Batch:	39348	Sample Preparation:	2008-02-19	Prepared By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	N/A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR
Prep Batch:	39348	Sample Preparation:	2008-02-19	Prepared By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00600**	mg/L	1	0.00500

Sample: 148999 - MNPL-MPL-MPL-016-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	46145	Date Analyzed:	2008-03-03	Analyzed By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0840**	mg/L	1	0.00100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	45252	Date Analyzed:	2008-02-04	Analyzed By:	TP
Prep Batch:	38967	Sample Preparation:	2008-02-04	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Vanadium		**0.0600**	mg/L	1	0.00500

Sample: 149214 - SGTP-6678-SMW-001-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	Sample Preparation:	2008-01-31	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**0.0120**	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		**0.0520**	mg/L	1	0.00100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	46143	Date Analyzed:	2008-03-03	Analyzed By:	RR
Prep Batch:	39349	Sample Preparation:	2008-02-19	Prepared By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00900**	mg/L	1	0.00500

Sample: 149299 - MNPL-MPL-MPL-021-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0570**	mg/L	1	0.00100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	45252	Date Analyzed:	2008-02-04	Analyzed By:	TP
Prep Batch:	38967	Sample Preparation:	2008-02-04	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.00600	mg/L	1	0.00600

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.00210	mg/L	1	0.00210

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0120**	mg/L	1	0.00500

Sample: 149300 - MNPL-MPL-MPL-022-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	Sample Preparation:	2008-02-04	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0660**	mg/L	1	0.00100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00100	mg/L	1	0.00100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	45252	Date Analyzed:	2008-02-04	Analyzed By:	TP
Prep Batch:	38967	Sample Preparation:	2008-02-04	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Antimony		<0.00600		mg/L	1	0.00600

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Selenium		<0.0100		mg/L	1	0.0100

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Thallium		<0.00210		mg/L	1	0.00210

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Vanadium		**0.00500**		mg/L	1	0.00500

Sample: 149364 - MNPL-MPL-MPL-025-0108

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	45604	Date Analyzed:	2008-02-15	Analyzed By:	RR
Prep Batch:	39027	Sample Preparation:	2008-02-06	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		**0.0260**		mg/L	1	0.00500

Method Blank (1) QC Batch: 44086

QC Batch:	44086	Date Analyzed:	2007-12-21	Analyzed By:	TP
Prep Batch:	37974	QC Preparation:	2007-12-21	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 44133

QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	QC Preparation:	2007-12-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.000200	mg/L	0.002

Method Blank (1) QC Batch: 44133

QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	QC Preparation:	2007-12-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 44133

QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	QC Preparation:	2007-12-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00200	mg/L	0.01

Method Blank (1) QC Batch: 44133

QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	QC Preparation:	2007-12-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.000300	mg/L	0.0025

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000600	mg/L	0.005

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.00140	mg/L	0.01

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00380	mg/L	0.005

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.000598	mg/L	0.01

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00167	mg/L	0.005

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0116	mg/L	0.05

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00163	mg/L	0.01

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00379	mg/L	0.01

Method Blank (1) QC Batch: 44133

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000426	mg/L	0.005

Method Blank (1) QC Batch: 44133

QC Batch:	44133	Date Analyzed:	2007-12-26	Analyzed By:	RR
Prep Batch:	37945	QC Preparation:	2007-12-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00546	mg/L	0.005

Method Blank (1) QC Batch: 44233

QC Batch:	44233	Date Analyzed:	2007-12-28	Analyzed By:	TP
Prep Batch:	38103	QC Preparation:	2007-12-27	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44242

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44242

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44242

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44242

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44242

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44242

QC Batch:	44242	Date Analyzed:	2007-12-28	Analyzed By:	RR
Prep Batch:	38102	QC Preparation:	2007-12-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44312

QC Batch:	44312	Date Analyzed:	2007-12-31	Analyzed By:	TP
Prep Batch:	38163	QC Preparation:	2007-12-31	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44338

QC Batch:	44338	Date Analyzed:	2008-01-02	Analyzed By:	RR
Prep Batch:	38182	QC Preparation:	2008-01-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44549

QC Batch:	44549	Date Analyzed:	2008-01-10	Analyzed By:	RR
Prep Batch:	38358	QC Preparation:	2008-01-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44549

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44599

QC Batch: 44599 Date Analyzed: 2008-01-11 Analyzed By: TP
Prep Batch: 38406 QC Preparation: 2008-01-11 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 44601

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44601

QC Batch:	44601	Date Analyzed:	2008-01-11	Analyzed By:	RR
Prep Batch:	38395	QC Preparation:	2008-01-11	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44601

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44601

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44601

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44601

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44698

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44699

QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	QC Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44699

QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	QC Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44699

QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	QC Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44699

QC Batch:	44699	Date Analyzed:	2008-01-15	Analyzed By:	RR
Prep Batch:	38484	QC Preparation:	2008-01-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44755

QC Batch:	44755	Date Analyzed:	2008-01-16	Analyzed By:	TP
Prep Batch:	38536	QC Preparation:	2008-01-16	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44819

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44825

QC Batch:	44825	Date Analyzed:	2008-01-18	Analyzed By:	TP
Prep Batch:	38590	QC Preparation:	2008-01-18	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 44905

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44905

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 44905

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 44905

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 44905

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 44905

QC Batch:	44905	Date Analyzed:	2008-01-22	Analyzed By:	RR
Prep Batch:	38637	QC Preparation:	2008-01-21	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 44979

QC Batch:	44979	Date Analyzed:	2008-01-24	Analyzed By:	TP
Prep Batch:	38738	QC Preparation:	2008-01-24	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 45003

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 45003

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45003

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45003

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 45003

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 45003

QC Batch:	45003	Date Analyzed:	2008-01-25	Analyzed By:	RR
Prep Batch:	38732	QC Preparation:	2008-01-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 45169

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 45169

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45169

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45169

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 45169

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 45169

QC Batch:	45169	Date Analyzed:	2008-01-31	Analyzed By:	RR
Prep Batch:	38883	QC Preparation:	2008-01-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 45249

QC Batch:	45249	Date Analyzed:	2008-02-04	Analyzed By:	TP
Prep Batch:	38967	QC Preparation:	2008-02-04	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 45252

QC Batch:	45252	Date Analyzed:	2008-02-04	Analyzed By:	TP
Prep Batch:	38967	QC Preparation:	2008-02-04	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 45520

QC Batch:	45520	Date Analyzed:	2008-02-12	Analyzed By:	RR
Prep Batch:	38928	QC Preparation:	2008-02-01	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 45520

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 45520

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 45520

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 45520

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 45520

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 45604

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 46143

QC Batch: 46143 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39349 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00110	mg/L	0.005

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00260	mg/L	0.005

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000600	mg/L	0.001

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00110	mg/L	0.002

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.000400	mg/L	0.001

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000500	mg/L	0.001

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00130	mg/L	0.005

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.00470	mg/L	0.006

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00660	mg/L	0.01

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.00210	mg/L	0.0021

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.000500	mg/L	0.005

Method Blank (1) QC Batch: 46145

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 46146

QC Batch: 46146 | Date Analyzed: 2008-03-03 | Analyzed By: RR
Prep Batch: 38103 | QC Preparation: 2007-12-27 | Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Laboratory Control Spike (LCS-1)

QC Batch: 44086 | Date Analyzed: 2007-12-21 | Analyzed By: TP
Prep Batch: 37974 | QC Preparation: 2007-12-21 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000960	mg/L	1	0.00100	<0.0000336	96	90 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 | Date Analyzed: 2007-12-26 | Analyzed By: RR
Prep Batch: 37945 | QC Preparation: 2007-12-20 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.000200	100	89.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.122	mg/L	1	0.125	<0.000200	98	89.9 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 | Date Analyzed: 2007-12-26 | Analyzed By: RR
Prep Batch: 37945 | QC Preparation: 2007-12-20 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.484	mg/L	1	0.500	<0.00500	97	91.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic [1]	0.450	mg/L	1	0.500	<0.00500	90	91.7 - 111	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.01	mg/L	1	1.00	<0.00200	101	83.8 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.00	mg/L	1	1.00	<0.00200	100	83.8 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0254	mg/L	1	0.0250	<0.000300	102	82.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0245	mg/L	1	0.0250	<0.000300	98	82.1 - 117	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.253	mg/L	1	0.250	<0.000400	101	90.2 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

[1] Recovery within method limits but outside control chart limits. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.247	mg/L	1	0.250	<0.000400	99	90.2 - 106	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.252	mg/L	1	0.250	<0.000600	101	87.6 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.246	mg/L	1	0.250	<0.000600	98	87.6 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0990	mg/L	1	0.100	<0.00140	99	89.8 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0960	mg/L	1	0.100	<0.00140	96	89.8 - 114	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.124	mg/L	1	0.125	<0.00380	99	90.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.00380	97	90.3 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.250	mg/L	1	0.250	<0.000598	100	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.241	mg/L	1	0.250	<0.000598	96	75 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.501	mg/L	1	0.500	<0.00167	100	88.8 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.484	mg/L	1	0.500	<0.00167	97	88.8 - 106	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.251	mg/L	1	0.250	<0.0116	100	87.4 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.248	mg/L	1	0.250	<0.0116	99	87.4 - 106	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.472	mg/L	1	0.500	<0.00163	94	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.474	mg/L	1	0.500	<0.00163	95	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.543	mg/L	1	0.500	<0.00379	109	87.5 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.539	mg/L	1	0.500	<0.00379	108	87.5 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.254	mg/L	1	0.250	<0.000426	102	93.7 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.245	mg/L	1	0.250	<0.000426	98	93.7 - 107	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.245	mg/L	1	0.250	<0.00546	98	85.4 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.237	mg/L	1	0.250	<0.00546	95	85.4 - 108	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44233 Date Analyzed: 2007-12-28 Analyzed By: TP
Prep Batch: 38103 QC Preparation: 2007-12-27 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	90 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.122	mg/L	1	0.125	<0.00110	98	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.122	mg/L	1	0.125	<0.00110	98	87.2 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.491	mg/L	1	0.500	<0.00260	98	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.473	mg/L	1	0.500	<0.00260	95	81.9 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.984	mg/L	1	1.00	<0.000600	98	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.987	mg/L	1	1.00	<0.000600	99	88.7 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00110	100	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0246	mg/L	1	0.0250	<0.00110	98	78.1 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.245	mg/L	1	0.250	<0.000400	98	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.246	mg/L	1	0.250	<0.000400	98	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.247	mg/L	1	0.250	<0.000400	99	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.248	mg/L	1	0.250	<0.000400	99	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.100	mg/L	1	0.100	<0.000500	100	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0999	mg/L	1	0.100	<0.000500	100	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.119	mg/L	1	0.125	<0.000900	95	91.2 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.241	mg/L	1	0.250	<0.00130	96	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.245	mg/L	1	0.250	<0.00130	98	86.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.496	mg/L	1	0.500	<0.00360	99	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.500	mg/L	1	0.500	<0.00360	100	88 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.254	mg/L	1	0.250	<0.00470	102	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.246	mg/L	1	0.250	<0.00470	98	79.4 - 114	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.402	mg/L	1	0.500	<0.00660	80	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.414	mg/L	1	0.500	<0.00660	83	70.2 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.526	mg/L	1	0.500	<0.00210	105	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.515	mg/L	1	0.500	<0.00210	103	81.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.248	mg/L	1	0.250	<0.000500	99	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.249	mg/L	1	0.250	<0.000500	100	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.242	mg/L	1	0.250	<0.00210	97	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.234	mg/L	1	0.250	<0.00210	94	82.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44312 | Date Analyzed: 2007-12-31 | Analyzed By: TP
Prep Batch: 38163 | QC Preparation: 2007-12-31 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000970	mg/L	1	0.00100	<0.0000336	97	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	90 - 108	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.128	mg/L	1	0.125	<0.00110	102	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.127	mg/L	1	0.125	<0.00110	102	87.2 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.515	mg/L	1	0.500	<0.00260	103	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.490	mg/L	1	0.500	<0.00260	98	81.9 - 110	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.04	mg/L	1	1.00	<0.000600	104	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.03	mg/L	1	1.00	<0.000600	103	88.7 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0235	mg/L	1	0.0250	<0.00110	94	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00110	100	78.1 - 117	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.262	mg/L	1	0.250	<0.000400	105	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.262	mg/L	1	0.250	<0.000400	105	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.269	mg/L	1	0.250	<0.000400	108	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.269	mg/L	1	0.250	<0.000400	108	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000500	106	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000500	105	86.5 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.128	mg/L	1	0.125	<0.000900	102	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.127	mg/L	1	0.125	<0.000900	102	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.265	mg/L	1	0.250	<0.00130	106	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.264	mg/L	1	0.250	<0.00130	106	86.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.517	mg/L	1	0.500	<0.00360	103	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.492	mg/L	1	0.500	<0.00360	98	88 - 108	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.256	mg/L	1	0.250	<0.00470	102	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.259	mg/L	1	0.250	<0.00470	104	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.436	mg/L	1	0.500	<0.00660	87	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.451	mg/L	1	0.500	<0.00660	90	70.2 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 | Date Analyzed: 2008-01-02 | Analyzed By: RR
Prep Batch: 38182 | QC Preparation: 2008-01-02 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.568	mg/L	1	0.500	<0.00210	114	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.559	mg/L	1	0.500	<0.00210	112	81.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.245	mg/L	1	0.250	<0.000500	98	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.247	mg/L	1	0.250	<0.000500	99	85.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.251	mg/L	1	0.250	<0.00210	100	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.248	mg/L	1	0.250	<0.00210	99	82.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.116	mg/L	1	0.125	<0.00110	93	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.119	mg/L	1	0.125	<0.00110	95	87.2 - 108	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.481	mg/L	1	0.500	<0.00260	96	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.457	mg/L	1	0.500	<0.00260	91	81.9 - 110	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.924	mg/L	1	1.00	<0.000600	92	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.954	mg/L	1	1.00	<0.000600	95	88.7 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	78.1 - 117	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.238	mg/L	1	0.250	<0.000400	95	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.237	mg/L	1	0.250	<0.000400	95	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.238	mg/L	1	0.250	<0.000400	95	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.239	mg/L	1	0.250	<0.000400	96	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0960	mg/L	1	0.100	<0.000500	96	86.5 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.117	mg/L	1	0.125	<0.000900	94	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.239	mg/L	1	0.250	<0.00130	96	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.234	mg/L	1	0.250	<0.00130	94	86.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.485	mg/L	1	0.500	<0.00360	97	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.488	mg/L	1	0.500	<0.00360	98	88 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.240	mg/L	1	0.250	<0.00470	96	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.240	mg/L	1	0.250	<0.00470	96	79.4 - 114	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.415	mg/L	1	0.500	<0.00660	83	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.412	mg/L	1	0.500	<0.00660	82	70.2 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.500	mg/L	1	0.500	<0.00210	100	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.502	mg/L	1	0.500	<0.00210	100	81.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.241	mg/L	1	0.250	<0.000500	96	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.242	mg/L	1	0.250	<0.000500	97	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.231	mg/L	1	0.250	<0.00210	92	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.229	mg/L	1	0.250	<0.00210	92	82.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44599 | Date Analyzed: 2008-01-11 | Analyzed By: TP
Prep Batch: 38406 | QC Preparation: 2008-01-11 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	90 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.121	mg/L	1	0.125	<0.00110	97	87.2 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.447	mg/L	1	0.500	<0.00260	89	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.480	mg/L	1	0.500	<0.00260	96	81.9 - 110	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.974	mg/L	1	1.00	<0.000600	97	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.977	mg/L	1	1.00	<0.000600	98	88.7 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	78.1 - 117	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.242	mg/L	1	0.250	<0.000400	97	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.240	mg/L	1	0.250	<0.000400	96	83.4 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.242	mg/L	1	0.250	<0.000400	97	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.241	mg/L	1	0.250	<0.000400	96	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0980	mg/L	1	0.100	<0.000500	98	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0980	mg/L	1	0.100	<0.000500	98	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.120	mg/L	1	0.125	<0.000900	96	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.119	mg/L	1	0.125	<0.000900	95	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.237	mg/L	1	0.250	<0.00130	95	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.234	mg/L	1	0.250	<0.00130	94	86.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.494	mg/L	1	0.500	<0.00360	99	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.480	mg/L	1	0.500	<0.00360	96	88 - 108	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.250	mg/L	1	0.250	<0.00470	100	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.253	mg/L	1	0.250	<0.00470	101	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.440	mg/L	1	0.500	<0.00660	88	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.423	mg/L	1	0.500	<0.00660	85	70.2 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.508	mg/L	1	0.500	<0.00210	102	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.501	mg/L	1	0.500	<0.00210	100	81.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.248	mg/L	1	0.250	<0.000500	99	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.248	mg/L	1	0.250	<0.000500	99	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.237	mg/L	1	0.250	<0.00210	95	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.235	mg/L	1	0.250	<0.00210	94	82.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.117	mg/L	1	0.125	<0.00110	94	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	87.2 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.457	mg/L	1	0.500	<0.00260	91	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.467	mg/L	1	0.500	<0.00260	93	81.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.944	mg/L	1	1.00	<0.000600	94	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.978	mg/L	1	1.00	<0.000600	98	88.7 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00110	88	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	78.1 - 117	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.235	mg/L	1	0.250	<0.000400	94	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.244	mg/L	1	0.250	<0.000400	98	83.4 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.235	mg/L	1	0.250	<0.000400	94	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.244	mg/L	1	0.250	<0.000400	98	91 - 108	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0970	mg/L	1	0.100	<0.000500	97	86.5 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.115	mg/L	1	0.125	<0.000900	92	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.118	mg/L	1	0.125	<0.000900	94	91.2 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.230	mg/L	1	0.250	<0.00130	92	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.240	mg/L	1	0.250	<0.00130	96	86.1 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.455	mg/L	1	0.500	<0.00360	91	88 - 108

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.455	mg/L	1	0.500	<0.00360	91	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.478	mg/L	1	0.500	<0.00360	96	88 - 108	5	20
Total Lead	0.478	mg/L	1	0.500	<0.00360	96	88 - 108	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.249	mg/L	1	0.250	<0.00470	100	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.251	mg/L	1	0.250	<0.00470	100	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.461	mg/L	1	0.500	<0.00660	92	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.464	mg/L	1	0.500	<0.00660	93	70.2 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.500	mg/L	1	0.500	<0.00210	100	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.523	mg/L	1	0.500	<0.00210	105	81.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.238	mg/L	1	0.250	<0.000500	95	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.244	mg/L	1	0.250	<0.000500	98	85.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.228	mg/L	1	0.250	<0.00210	91	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.234	mg/L	1	0.250	<0.00210	94	82.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.117	mg/L	1	0.125	<0.00110	94	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	87.2 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.457	mg/L	1	0.500	<0.00260	91	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.467	mg/L	1	0.500	<0.00260	93	81.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.944	mg/L	1	1.00	<0.000600	94	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.978	mg/L	1	1.00	<0.000600	98	88.7 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00110	88	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	78.1 - 117	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.235	mg/L	1	0.250	<0.000400	94	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.244	mg/L	1	0.250	<0.000400	98	83.4 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.235	mg/L	1	0.250	<0.000400	94	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.244	mg/L	1	0.250	<0.000400	98	91 - 108	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0970	mg/L	1	0.100	<0.000500	97	86.5 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.115	mg/L	1	0.125	<0.000900	92	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.118	mg/L	1	0.125	<0.000900	94	91.2 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.230	mg/L	1	0.250	<0.00130	92	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.240	mg/L	1	0.250	<0.00130	96	86.1 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.455	mg/L	1	0.500	<0.00360	91	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.478	mg/L	1	0.500	<0.00360	96	88 - 108	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.249	mg/L	1	0.250	<0.00470	100	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.251	mg/L	1	0.250	<0.00470	100	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.461	mg/L	1	0.500	<0.00660	92	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.464	mg/L	1	0.500	<0.00660	93	70.2 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.500	mg/L	1	0.500	<0.00210	100	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.523	mg/L	1	0.500	<0.00210	105	81.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.238	mg/L	1	0.250	<0.000500	95	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.244	mg/L	1	0.250	<0.000500	98	85.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.228	mg/L	1	0.250	<0.00210	91	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.234	mg/L	1	0.250	<0.00210	94	82.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44755 | Date Analyzed: 2008-01-16 | Analyzed By: TP
Prep Batch: 38536 | QC Preparation: 2008-01-16 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	90 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	87.2 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.486	mg/L	1	0.500	<0.00260	97	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.489	mg/L	1	0.500	<0.00260	98	81.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.975	mg/L	1	1.00	<0.000600	98	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.988	mg/L	1	1.00	<0.000600	99	88.7 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0235	mg/L	1	0.0250	<0.00110	94	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0249	mg/L	1	0.0250	<0.00110	100	78.1 - 117	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.244	mg/L	1	0.250	<0.000400	98	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.245	mg/L	1	0.250	<0.000400	98	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.250	mg/L	1	0.250	<0.000400	100	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.252	mg/L	1	0.250	<0.000400	101	91 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0980	mg/L	1	0.100	<0.000500	98	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0980	mg/L	1	0.100	<0.000500	98	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.117	mg/L	1	0.125	<0.000900	94	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.245	mg/L	1	0.250	<0.00130	98	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.248	mg/L	1	0.250	<0.00130	99	86.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.481	mg/L	1	0.500	<0.00360	96	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.492	mg/L	1	0.500	<0.00360	98	88 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.258	mg/L	1	0.250	<0.00470	103	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.259	mg/L	1	0.250	<0.00470	104	79.4 - 114	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.448	mg/L	1	0.500	<0.00660	90	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.452	mg/L	1	0.500	<0.00660	90	70.2 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.510	mg/L	1	0.500	<0.00210	102	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.518	mg/L	1	0.500	<0.00210	104	81.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.225	mg/L	1	0.250	<0.000500	90	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.226	mg/L	1	0.250	<0.000500	90	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.235	mg/L	1	0.250	<0.00210	94	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.236	mg/L	1	0.250	<0.00210	94	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44825 Date Analyzed: 2008-01-18 Analyzed By: TP
Prep Batch: 38590 QC Preparation: 2008-01-18 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000251	105	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000970	mg/L	1	0.00100	<0.0000251	97	90 - 108	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.127	mg/L	1	0.125	<0.00110	102	86.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.126	mg/L	1	0.125	<0.00110	101	86.7 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.505	mg/L	1	0.500	<0.00260	101	83.7 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.494	mg/L	1	0.500	<0.00260	99	83.7 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.02	mg/L	1	1.00	<0.000600	102	86.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.000600	102	86.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00110	100	84.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0247	mg/L	1	0.0250	<0.00110	99	84.4 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.252	mg/L	1	0.250	<0.000400	101	85.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.253	mg/L	1	0.250	<0.000400	101	85.2 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.260	mg/L	1	0.250	<0.000400	104	88.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.262	mg/L	1	0.250	<0.000400	105	88.6 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.103	mg/L	1	0.100	<0.000500	103	86 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.102	mg/L	1	0.100	<0.000500	102	86 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	85.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	85.6 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.256	mg/L	1	0.250	<0.00130	102	86.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.256	mg/L	1	0.250	<0.00130	102	86.4 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.500	mg/L	1	0.500	<0.00360	100	87.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.498	mg/L	1	0.500	<0.00360	100	87.9 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.253	mg/L	1	0.250	<0.00470	101	84.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.254	mg/L	1	0.250	<0.00470	102	84.9 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.449	mg/L	1	0.500	<0.00660	90	69.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.455	mg/L	1	0.500	<0.00660	91	69.4 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.543	mg/L	1	0.500	<0.00210	109	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.552	mg/L	1	0.500	<0.00210	110	89.4 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.238	mg/L	1	0.250	<0.000500	95	85.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.239	mg/L	1	0.250	<0.000500	96	85.3 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.243	mg/L	1	0.250	<0.00210	97	84.4 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.243	mg/L	1	0.250	<0.00210	97	84.4 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 44979 | Date Analyzed: 2008-01-24 | Analyzed By: TP
Prep Batch: 38738 | QC Preparation: 2008-01-24 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000251	102	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000251	95	90 - 108	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.127	mg/L	1	0.125	<0.00110	102	86.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.128	mg/L	1	0.125	<0.00110	102	86.7 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.505	mg/L	1	0.500	<0.00260	101	83.7 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.515	mg/L	1	0.500	<0.00260	103	83.7 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.03	mg/L	1	1.00	<0.000600	103	86.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.05	mg/L	1	1.00	<0.000600	105	86.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0254	mg/L	1	0.0250	<0.00110	102	84.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0256	mg/L	1	0.0250	<0.00110	102	84.4 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.260	mg/L	1	0.250	<0.000400	104	85.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.264	mg/L	1	0.250	<0.000400	106	85.2 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.268	mg/L	1	0.250	<0.000400	107	88.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.273	mg/L	1	0.250	<0.000400	109	88.6 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.104	mg/L	1	0.100	<0.000500	104	86 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000500	106	86 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.123	mg/L	1	0.125	<0.000900	98	85.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.125	mg/L	1	0.125	<0.000900	100	85.6 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.264	mg/L	1	0.250	<0.00130	106	86.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.269	mg/L	1	0.250	<0.00130	108	86.4 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.508	mg/L	1	0.500	<0.00360	102	87.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.499	mg/L	1	0.500	<0.00360	100	87.9 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.254	mg/L	1	0.250	<0.00470	102	84.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.269	mg/L	1	0.250	<0.00470	108	84.9 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.462	mg/L	1	0.500	<0.00660	92	69.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.490	mg/L	1	0.500	<0.00660	98	69.4 - 109	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.535	mg/L	1	0.500	<0.00210	107	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.558	mg/L	1	0.500	<0.00210	112	89.4 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.234	mg/L	1	0.250	<0.000500	94	85.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.236	mg/L	1	0.250	<0.000500	94	85.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.252	mg/L	1	0.250	<0.00210	101	84.4 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.256	mg/L	1	0.250	<0.00210	102	84.4 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.133	mg/L	1	0.125	<0.00110	106	86.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.134	mg/L	1	0.125	<0.00110	107	86.7 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.505	mg/L	1	0.500	<0.00260	101	83.7 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.537	mg/L	1	0.500	<0.00260	107	83.7 - 112	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.10	mg/L	1	1.00	<0.000600	110	86.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.10	mg/L	1	1.00	<0.000600	110	86.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00110	100	84.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	84.4 - 109	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.278	mg/L	1	0.250	<0.000400	111	85.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.277	mg/L	1	0.250	<0.000400	111	85.2 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.279	mg/L	1	0.250	<0.000400	112	88.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.282	mg/L	1	0.250	<0.000400	113	88.6 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.112	mg/L	1	0.100	<0.000500	112	86 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.111	mg/L	1	0.100	<0.000500	111	86 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.131	mg/L	1	0.125	<0.000900	105	85.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.131	mg/L	1	0.125	<0.000900	105	85.6 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.270	mg/L	1	0.250	<0.00130	108	86.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.277	mg/L	1	0.250	<0.00130	111	86.4 - 119	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.526	mg/L	1	0.500	<0.00360	105	87.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.535	mg/L	1	0.500	<0.00360	107	87.9 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR
Prep Batch: 38883 QC Preparation: 2008-01-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.278	mg/L	1	0.250	<0.00470	111	84.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.269	mg/L	1	0.250	<0.00470	108	84.9 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.460	mg/L	1	0.500	<0.00660	92	69.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.477	mg/L	1	0.500	<0.00660	95	69.4 - 109	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.509	mg/L	1	0.500	<0.00210	102	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.513	mg/L	1	0.500	<0.00210	103	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.256	mg/L	1	0.250	<0.000500	102	85.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.257	mg/L	1	0.250	<0.000500	103	85.3 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45169 | Date Analyzed: 2008-01-31 | Analyzed By: RR
Prep Batch: 38883 | QC Preparation: 2008-01-30 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.261	mg/L	1	0.250	<0.00210	104	84.4 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.261	mg/L	1	0.250	<0.00210	104	84.4 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45249 Date Analyzed: 2008-02-04 Analyzed By: TP
Prep Batch: 38967 QC Preparation: 2008-02-04 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000940	mg/L	1	0.00100	<0.0000251	94	89.6 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000251	95	89.6 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45252 Date Analyzed: 2008-02-04 Analyzed By: TP
Prep Batch: 38967 QC Preparation: 2008-02-04 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000940	mg/L	1	0.00100	<0.0000251	94	90 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000251	95	90 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.116	mg/L	1	0.125	<0.00110	93	86.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.116	mg/L	1	0.125	<0.00110	93	86.7 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.446	mg/L	1	0.500	<0.00260	89	83.7 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.459	mg/L	1	0.500	<0.00260	92	83.7 - 112	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.941	mg/L	1	1.00	<0.000600	94	86.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.934	mg/L	1	1.00	<0.000600	93	86.9 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0234	mg/L	1	0.0250	<0.00110	94	84.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	84.4 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.229	mg/L	1	0.250	<0.000400	92	85.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.230	mg/L	1	0.250	<0.000400	92	85.2 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.234	mg/L	1	0.250	<0.000400	94	88.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.232	mg/L	1	0.250	<0.000400	93	88.6 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	86 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	86 - 116	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	85.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	85.6 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.230	mg/L	1	0.250	<0.00130	92	86.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.230	mg/L	1	0.250	<0.00130	92	86.4 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.450	mg/L	1	0.500	<0.00360	90	87.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.465	mg/L	1	0.500	<0.00360	93	87.9 - 112	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.248	mg/L	1	0.250	<0.00470	99	84.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.243	mg/L	1	0.250	<0.00470	97	84.9 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.423	mg/L	1	0.500	<0.00660	85	69.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.431	mg/L	1	0.500	<0.00660	86	69.4 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.504	mg/L	1	0.500	<0.00210	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.497	mg/L	1	0.500	<0.00210	99	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.231	mg/L	1	0.250	<0.000500	92	85.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.218	mg/L	1	0.250	<0.000500	87	85.3 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.217	mg/L	1	0.250	<0.00210	87	84.4 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.218	mg/L	1	0.250	<0.00210	87	84.4 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.128	mg/L	1	0.125	<0.00110	102	86.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.125	mg/L	1	0.125	<0.00110	100	86.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.519	mg/L	1	0.500	<0.00260	104	83.7 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.497	mg/L	1	0.500	<0.00260	99	83.7 - 112	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.06	mg/L	1	1.00	<0.000600	106	86.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.000600	102	86.9 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0247	mg/L	1	0.0250	<0.00110	99	84.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00110	100	84.4 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.269	mg/L	1	0.250	<0.000400	108	85.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.267	mg/L	1	0.250	<0.000400	107	85.2 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.270	mg/L	1	0.250	<0.000400	108	88.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.266	mg/L	1	0.250	<0.000400	106	88.6 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.108	mg/L	1	0.100	<0.000500	108	86 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000500	106	86 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.126	mg/L	1	0.125	<0.000900	101	85.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.127	mg/L	1	0.125	<0.000900	102	85.6 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.263	mg/L	1	0.250	<0.00130	105	86.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.264	mg/L	1	0.250	<0.00130	106	86.4 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.503	mg/L	1	0.500	<0.00360	101	87.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.493	mg/L	1	0.500	<0.00360	99	87.9 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.247	mg/L	1	0.250	<0.00470	99	84.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.246	mg/L	1	0.250	<0.00470	98	84.9 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.458	mg/L	1	0.500	<0.00660	92	69.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.443	mg/L	1	0.500	<0.00660	89	69.4 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.544	mg/L	1	0.500	<0.00210	109	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.546	mg/L	1	0.500	<0.00210	109	89.4 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.255	mg/L	1	0.250	<0.000500	102	85.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.252	mg/L	1	0.250	<0.000500	101	85.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.253	mg/L	1	0.250	<0.00210	101	84.4 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.252	mg/L	1	0.250	<0.00210	101	84.4 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46143 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39349 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000940	mg/L	1	0.00100	<0.0000251	94	89.6 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000251	95	89.6 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.133	mg/L	1	0.125	<0.00110	106	86.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.134	mg/L	1	0.125	<0.00110	107	86.7 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.505	mg/L	1	0.500	<0.00260	101	83.7 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.537	mg/L	1	0.500	<0.00260	107	83.7 - 112	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.10	mg/L	1	1.00	<0.000600	110	86.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.10	mg/L	1	1.00	<0.000600	110	86.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00110	100	84.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	84.4 - 109	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.278	mg/L	1	0.250	<0.000400	111	85.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.277	mg/L	1	0.250	<0.000400	111	85.2 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.279	mg/L	1	0.250	<0.000400	112	88.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.282	mg/L	1	0.250	<0.000400	113	88.6 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.112	mg/L	1	0.100	<0.000500	112	86 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.111	mg/L	1	0.100	<0.000500	111	86 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.131	mg/L	1	0.125	<0.000900	105	85.6 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.131	mg/L	1	0.125	<0.000900	105	85.6 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.270	mg/L	1	0.250	<0.00130	108	86.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.277	mg/L	1	0.250	<0.00130	111	86.4 - 119	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.526	mg/L	1	0.500	<0.00360	105	87.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.535	mg/L	1	0.500	<0.00360	107	87.9 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.278	mg/L	1	0.250	<0.00470	111	84.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.269	mg/L	1	0.250	<0.00470	108	84.9 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.460	mg/L	1	0.500	<0.00660	92	69.4 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.477	mg/L	1	0.500	<0.00660	95	69.4 - 109	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.509	mg/L	1	0.500	<0.00210	102	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.513	mg/L	1	0.500	<0.00210	103	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 | Date Analyzed: 2008-03-03 | Analyzed By: RR
Prep Batch: 39348 | QC Preparation: 2008-02-19 | Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.256	mg/L	1	0.250	<0.000500	102	85.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.257	mg/L	1	0.250	<0.000500	103	85.3 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46145 | Date Analyzed: 2008-03-03 | Analyzed By: RR
Prep Batch: 39348 | QC Preparation: 2008-02-19 | Prepared By: RR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.261	mg/L	1	0.250	<0.00210	104	84.4 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.261	mg/L	1	0.250	<0.00210	104	84.4 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 46146 | Date Analyzed: 2008-03-03 | Analyzed By: RR
Prep Batch: 38103 | QC Preparation: 2007-12-27 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000251	103	89.6 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000251	105	89.6 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145765

QC Batch: 44086 | Date Analyzed: 2007-12-21 | Analyzed By: TP
Prep Batch: 37974 | QC Preparation: 2007-12-21 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000990	mg/L	1	0.00100	<0.0000336	99	73 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000970	mg/L	1	0.00100	<0.0000336	97	73 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.122	mg/L	1	0.125	<0.000200	98	86.4 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.122	mg/L	1	0.125	<0.000200	98	86.4 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.462	mg/L	1	0.500	<0.00500	92	86.6 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.453	mg/L	1	0.500	<0.00500	91	86.6 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.06	mg/L	1	1.00	0.077	98	73 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.05	mg/L	1	1.00	0.077	97	73 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0253	mg/L	1	0.0250	<0.000300	101	79.8 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0249	mg/L	1	0.0250	<0.000300	100	79.8 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.249	mg/L	1	0.250	<0.000400	100	76.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.246	mg/L	1	0.250	<0.000400	98	76.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.244	mg/L	1	0.250	<0.000600	98	79.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.240	mg/L	1	0.250	<0.000600	96	79.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 | Date Analyzed: 2007-12-26 | Analyzed By: RR
Prep Batch: 37945 | QC Preparation: 2007-12-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.104	mg/L	1	0.100	<0.00140	104	68.4 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.102	mg/L	1	0.100	<0.00140	102	68.4 - 131	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 | Date Analyzed: 2007-12-26 | Analyzed By: RR
Prep Batch: 37945 | QC Preparation: 2007-12-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.124	mg/L	1	0.125	<0.00380	99	83.3 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.00380	97	83.3 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 | Date Analyzed: 2007-12-26 | Analyzed By: RR
Prep Batch: 37945 | QC Preparation: 2007-12-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.331	mg/L	1	0.250	0.103	91	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.327	mg/L	1	0.250	0.103	90	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 | Date Analyzed: 2007-12-26 | Analyzed By: RR
Prep Batch: 37945 | QC Preparation: 2007-12-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.468	mg/L	1	0.500	<0.00167	94	74.2 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.481	mg/L	1	0.500	<0.00167	96	74.2 - 106	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.270	mg/L	1	0.250	<0.0116	108	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.262	mg/L	1	0.250	<0.0116	105	75 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.471	mg/L	1	0.500	<0.00163	94	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.403	mg/L	1	0.500	<0.00163	81	75 - 125	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.539	mg/L	1	0.500	<0.00379	108	71.9 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.541	mg/L	1	0.500	<0.00379	108	71.9 - 116	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.255	mg/L	1	0.250	0.003	101	80.7 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.250	mg/L	1	0.250	0.003	99	80.7 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 145769

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR
Prep Batch: 37945 QC Preparation: 2007-12-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.268	mg/L	1	0.250	0.026	97	73.7 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.271	mg/L	1	0.250	0.026	98	73.7 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.123	mg/L	1	0.125	<0.00110	98	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.123	mg/L	1	0.125	<0.00110	98	80.5 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.485	mg/L	1	0.500	<0.00260	97	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.490	mg/L	1	0.500	<0.00260	98	67.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.04	mg/L	1	1.00	0.055	98	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.06	mg/L	1	1.00	0.055	100	61.9 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0258	mg/L	1	0.0250	<0.00110	103	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	76.5 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 | Date Analyzed: 2007-12-28 | Analyzed By: RR
Prep Batch: 38102 | QC Preparation: 2007-12-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.241	mg/L	1	0.250	<0.000400	96	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.243	mg/L	1	0.250	<0.000400	97	72.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.237	mg/L	1	0.250	<0.000400	95	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.240	mg/L	1	0.250	<0.000400	96	71 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0990	mg/L	1	0.100	<0.000500	99	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.101	mg/L	1	0.100	<0.000500	101	66.2 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	84.1 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.231	mg/L	1	0.250	<0.00130	92	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.235	mg/L	1	0.250	<0.00130	94	56.1 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.509	mg/L	1	0.500	<0.00360	102	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.517	mg/L	1	0.500	<0.00360	103	74.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.250	mg/L	1	0.250	<0.00470	100	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.262	mg/L	1	0.250	<0.00470	105	71.3 - 118	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.429	mg/L	1	0.500	<0.00660	86	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.424	mg/L	1	0.500	<0.00660	85	64.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.484	mg/L	1	0.500	<0.00210	97	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.508	mg/L	1	0.500	<0.00210	102	66 - 121	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.248	mg/L	1	0.250	0.004	98	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.250	mg/L	1	0.250	0.004	98	74.1 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR
Prep Batch: 38102 QC Preparation: 2007-12-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.237	mg/L	1	0.250	0.006	92	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.238	mg/L	1	0.250	0.006	93	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146656

QC Batch: 44312 Date Analyzed: 2007-12-31 Analyzed By: TP
Prep Batch: 38163 QC Preparation: 2007-12-31 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	73 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	73 - 123	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.124	mg/L	1	0.125	<0.00110	99	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.124	mg/L	1	0.125	<0.00110	99	80.5 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.513	mg/L	1	0.500	<0.00260	103	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.526	mg/L	1	0.500	<0.00260	105	67.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.05	mg/L	1	1.00	<0.000600	105	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.05	mg/L	1	1.00	<0.000600	105	61.9 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0244	mg/L	1	0.0250	<0.00110	98	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0245	mg/L	1	0.0250	<0.00110	98	76.5 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.256	mg/L	1	0.250	<0.000400	102	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.256	mg/L	1	0.250	<0.000400	102	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.253	mg/L	1	0.250	<0.000400	101	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.255	mg/L	1	0.250	<0.000400	102	71 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.102	mg/L	1	0.100	<0.000500	102	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.103	mg/L	1	0.100	<0.000500	103	66.2 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.123	mg/L	1	0.125	<0.000900	98	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.123	mg/L	1	0.125	<0.000900	98	84.1 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.251	mg/L	1	0.250	<0.00130	100	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.255	mg/L	1	0.250	<0.00130	102	56.1 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.500	mg/L	1	0.500	<0.00360	100	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.494	mg/L	1	0.500	<0.00360	99	74.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.254	mg/L	1	0.250	<0.00470	102	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.251	mg/L	1	0.250	<0.00470	100	71.3 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.453	mg/L	1	0.500	<0.00660	91	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.487	mg/L	1	0.500	<0.00660	97	64.3 - 111	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.528	mg/L	1	0.500	<0.00210	106	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.544	mg/L	1	0.500	<0.00210	109	66 - 121	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.259	mg/L	1	0.250	<0.000500	104	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.238	mg/L	1	0.250	<0.000500	95	74.1 - 110	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146551

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR
Prep Batch: 38182 QC Preparation: 2008-01-02 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.250	mg/L	1	0.250	<0.00210	100	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.250	mg/L	1	0.250	<0.00210	100	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.118	mg/L	1	0.125	<0.00110	94	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.110	mg/L	1	0.125	<0.00110	88	80.5 - 104	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.471	mg/L	1	0.500	<0.00260	94	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.472	mg/L	1	0.500	<0.00260	94	67.6 - 116	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.821	mg/L	1	1.00	0.018	80	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.850	mg/L	1	1.00	0.018	83	61.9 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	76.5 - 118	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.203	mg/L	1	0.250	<0.000400	81	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.212	mg/L	1	0.250	<0.000400	85	72.9 - 109	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.198	mg/L	1	0.250	<0.000400	79	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.206	mg/L	1	0.250	<0.000400	82	71 - 112	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0810	mg/L	1	0.100	<0.000500	81	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0810	mg/L	1	0.100	<0.000500	81	66.2 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.114	mg/L	1	0.125	<0.000900	91	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	84.1 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.193	mg/L	1	0.250	<0.00130	77	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.197	mg/L	1	0.250	<0.00130	79	56.1 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.488	mg/L	1	0.500	<0.00360	98	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.493	mg/L	1	0.500	<0.00360	99	74.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.222	mg/L	1	0.250	<0.00470	89	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.225	mg/L	1	0.250	<0.00470	90	71.3 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.392	mg/L	1	0.500	<0.00660	78	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.416	mg/L	1	0.500	<0.00660	83	64.3 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.431	mg/L	1	0.500	<0.00210	86	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.428	mg/L	1	0.500	<0.00210	86	66 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 | Date Analyzed: 2008-01-10 | Analyzed By: RR
Prep Batch: 38358 | QC Preparation: 2008-01-10 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.227	mg/L	1	0.250	<0.000500	91	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.250	mg/L	1	0.250	<0.000500	100	74.1 - 110	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR
Prep Batch: 38358 QC Preparation: 2008-01-10 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.244	mg/L	1	0.250	<0.00210	98	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.250	mg/L	1	0.250	<0.00210	100	75.5 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147097

QC Batch: 44599 Date Analyzed: 2008-01-11 Analyzed By: TP
Prep Batch: 38406 QC Preparation: 2008-01-11 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000960	mg/L	1	0.00100	<0.0000336	96	73 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	73 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.111	mg/L	1	0.125	<0.00110	89	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.117	mg/L	1	0.125	<0.00110	94	80.5 - 104	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.477	mg/L	1	0.500	<0.00260	95	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.486	mg/L	1	0.500	<0.00260	97	67.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.937	mg/L	1	1.00	<0.000600	94	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.963	mg/L	1	1.00	<0.000600	96	61.9 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	76.5 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.225	mg/L	1	0.250	<0.000400	90	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.216	mg/L	1	0.250	<0.000400	86	72.9 - 109	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.215	mg/L	1	0.250	<0.000400	86	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.210	mg/L	1	0.250	<0.000400	84	71 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0950	mg/L	1	0.100	<0.000500	95	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	66.2 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.115	mg/L	1	0.125	<0.000900	92	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	84.1 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.218	mg/L	1	0.250	<0.00130	87	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.218	mg/L	1	0.250	<0.00130	87	56.1 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.472	mg/L	1	0.500	<0.00360	94	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.484	mg/L	1	0.500	<0.00360	97	74.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.230	mg/L	1	0.250	<0.00470	92	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.239	mg/L	1	0.250	<0.00470	96	71.3 - 118	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.414	mg/L	1	0.500	<0.00660	83	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.398	mg/L	1	0.500	<0.00660	80	64.3 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.427	mg/L	1	0.500	<0.00210	85	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.444	mg/L	1	0.500	<0.00210	89	66 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR
Prep Batch: 38395 QC Preparation: 2008-01-11 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.232	mg/L	1	0.250	<0.000500	93	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.232	mg/L	1	0.250	<0.000500	93	74.1 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147429

QC Batch: 44601 | Date Analyzed: 2008-01-11 | Analyzed By: RR
Prep Batch: 38395 | QC Preparation: 2008-01-11 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.239	mg/L	1	0.250	<0.00210	96	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.223	mg/L	1	0.250	<0.00210	89	75.5 - 113	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.119	mg/L	1	0.125	<0.00110	95	80.5 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.485	mg/L	1	0.500	<0.00260	97	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.475	mg/L	1	0.500	<0.00260	95	67.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.22	mg/L	1	1.00	0.268	95	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.22	mg/L	1	1.00	0.268	95	61.9 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	76.5 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.231	mg/L	1	0.250	<0.000400	92	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.232	mg/L	1	0.250	<0.000400	93	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.230	mg/L	1	0.250	<0.000400	92	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.231	mg/L	1	0.250	<0.000400	92	71 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0940	mg/L	1	0.100	0.001	93	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0940	mg/L	1	0.100	0.001	93	66.2 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	84.1 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.232	mg/L	1	0.250	<0.00130	93	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.232	mg/L	1	0.250	<0.00130	93	56.1 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.484	mg/L	1	0.500	<0.00360	97	74.1 - 111
Total Lead	0.484	mg/L	1	0.500	<0.00360	97	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.478	mg/L	1	0.500	<0.00360	96	74.1 - 111	1	20
Total Lead	0.478	mg/L	1	0.500	<0.00360	96	74.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.243	mg/L	1	0.250	<0.00470	97	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.258	mg/L	1	0.250	<0.00470	103	71.3 - 118	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.420	mg/L	1	0.500	<0.00660	84	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.437	mg/L	1	0.500	<0.00660	87	64.3 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.499	mg/L	1	0.500	<0.00210	100	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.492	mg/L	1	0.500	<0.00210	98	66 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.249	mg/L	1	0.250	<0.000500	100	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.238	mg/L	1	0.250	<0.000500	95	74.1 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147519

QC Batch: 44698 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.239	mg/L	1	0.250	<0.00210	96	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.240	mg/L	1	0.250	<0.00210	96	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.114	mg/L	1	0.125	<0.00110	91	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.118	mg/L	1	0.125	<0.00110	94	80.5 - 104	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.456	mg/L	1	0.500	<0.00260	91	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.448	mg/L	1	0.500	<0.00260	90	67.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.896	mg/L	1	1.00	0.018	88	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.967	mg/L	1	1.00	0.018	95	61.9 - 120	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00110	88	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	76.5 - 118	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.223	mg/L	1	0.250	<0.000400	89	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.226	mg/L	1	0.250	<0.000400	90	72.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.221	mg/L	1	0.250	<0.000400	88	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.231	mg/L	1	0.250	<0.000400	92	71 - 112	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0940	mg/L	1	0.100	0.006	88	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.100	mg/L	1	0.100	0.006	94	66.2 - 121	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.114	mg/L	1	0.125	<0.000900	91	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	84.1 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.212	mg/L	1	0.250	<0.00130	85	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.227	mg/L	1	0.250	<0.00130	91	56.1 - 119	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.463	mg/L	1	0.500	<0.00360	93	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.464	mg/L	1	0.500	<0.00360	93	74.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 | Date Analyzed: 2008-01-15 | Analyzed By: RR
Prep Batch: 38484 | QC Preparation: 2008-01-15 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.232	mg/L	1	0.250	<0.00470	93	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.226	mg/L	1	0.250	<0.00470	90	71.3 - 118	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.416	mg/L	1	0.500	<0.00660	83	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.411	mg/L	1	0.500	<0.00660	82	64.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.476	mg/L	1	0.500	<0.00210	95	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.467	mg/L	1	0.500	<0.00210	93	66 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.239	mg/L	1	0.250	0.008	92	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.246	mg/L	1	0.250	0.008	95	74.1 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147799

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR
Prep Batch: 38484 QC Preparation: 2008-01-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.227	mg/L	1	0.250	0.007	88	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.234	mg/L	1	0.250	0.007	91	75.5 - 113	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 147538

QC Batch: 44755 Date Analyzed: 2008-01-16 Analyzed By: TP
Prep Batch: 38536 QC Preparation: 2008-01-16 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	73 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00106	mg/L	1	0.00100	<0.0000336	106	73 - 123	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.116	mg/L	1	0.125	<0.00110	93	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.120	mg/L	1	0.125	<0.00110	96	80.5 - 104	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.481	mg/L	1	0.500	<0.00260	96	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.476	mg/L	1	0.500	<0.00260	95	67.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.985	mg/L	1	1.00	0.07	92	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.03	mg/L	1	1.00	0.07	96	61.9 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0234	mg/L	1	0.0250	<0.00110	94	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00110	92	76.5 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 | Date Analyzed: 2008-01-18 | Analyzed By: RR
Prep Batch: 38588 | QC Preparation: 2008-01-18 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.230	mg/L	1	0.250	<0.000400	92	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.237	mg/L	1	0.250	<0.000400	95	72.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.232	mg/L	1	0.250	<0.000400	93	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.242	mg/L	1	0.250	<0.000400	97	71 - 112	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0930	mg/L	1	0.100	<0.000500	93	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0970	mg/L	1	0.100	<0.000500	97	66.2 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.113	mg/L	1	0.125	<0.000900	90	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.118	mg/L	1	0.125	<0.000900	94	84.1 - 108	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.225	mg/L	1	0.250	<0.00130	90	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.236	mg/L	1	0.250	<0.00130	94	56.1 - 119	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.466	mg/L	1	0.500	<0.00360	93	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.496	mg/L	1	0.500	<0.00360	99	74.1 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.237	mg/L	1	0.250	<0.00470	95	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.253	mg/L	1	0.250	<0.00470	101	71.3 - 118	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.449	mg/L	1	0.500	<0.00660	90	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.425	mg/L	1	0.500	<0.00660	85	64.3 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.496	mg/L	1	0.500	<0.00210	99	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.481	mg/L	1	0.500	<0.00210	96	66 - 121	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.218	mg/L	1	0.250	<0.000500	87	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.229	mg/L	1	0.250	<0.000500	92	74.1 - 110	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148265

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR
Prep Batch: 38588 QC Preparation: 2008-01-18 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.228	mg/L	1	0.250	0.007	88	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.240	mg/L	1	0.250	0.007	93	75.5 - 113	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148165

QC Batch: 44825 Date Analyzed: 2008-01-18 Analyzed By: TP
Prep Batch: 38590 QC Preparation: 2008-01-18 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00106	mg/L	1	0.00100	<0.0000251	106	73 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000251	104	73 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.00110	100	76.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.127	mg/L	1	0.125	<0.00110	102	76.1 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.509	mg/L	1	0.500	<0.00260	102	81.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.517	mg/L	1	0.500	<0.00260	103	81.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.02	mg/L	1	1.00	0.02	100	65.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	0.02	100	65.4 - 123	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00110	96	72.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	72.7 - 113	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.252	mg/L	1	0.250	<0.000400	101	72.7 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.253	mg/L	1	0.250	<0.000400	101	72.7 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.263	mg/L	1	0.250	<0.000400	105	72.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.264	mg/L	1	0.250	<0.000400	106	72.6 - 116	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.101	mg/L	1	0.100	<0.000500	101	62.9 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.101	mg/L	1	0.100	<0.000500	101	62.9 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.120	mg/L	1	0.125	<0.000900	96	81 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.000900	97	81 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 | Date Analyzed: 2008-01-22 | Analyzed By: RR
Prep Batch: 38637 | QC Preparation: 2008-01-21 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.253	mg/L	1	0.250	<0.00130	101	55.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.266	mg/L	1	0.250	<0.00130	106	55.4 - 121	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.511	mg/L	1	0.500	<0.00360	102	82.6 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.514	mg/L	1	0.500	<0.00360	103	82.6 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.261	mg/L	1	0.250	<0.00470	104	72.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.258	mg/L	1	0.250	<0.00470	103	72.9 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.430	mg/L	1	0.500	<0.00660	86	65.5 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.433	mg/L	1	0.500	<0.00660	87	65.5 - 106	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.516	mg/L	1	0.500	<0.00210	103	52.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.527	mg/L	1	0.500	<0.00210	105	52.2 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.246	mg/L	1	0.250	<0.000500	98	60.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.249	mg/L	1	0.250	<0.000500	100	60.8 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148415

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR
Prep Batch: 38637 QC Preparation: 2008-01-21 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.248	mg/L	1	0.250	0.036	85	76.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.248	mg/L	1	0.250	0.036	85	76.9 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148533

QC Batch: 44979 | Date Analyzed: 2008-01-24 | Analyzed By: TP
Prep Batch: 38738 | QC Preparation: 2008-01-24 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000251	105	73 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000251	103	73 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.118	mg/L	1	0.125	<0.00110	94	76.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.123	mg/L	1	0.125	<0.00110	98	76.1 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.464	mg/L	1	0.500	<0.00260	93	81.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.467	mg/L	1	0.500	<0.00260	93	81.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.835	mg/L	1	1.00	<0.000600	84	65.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.869	mg/L	1	1.00	<0.000600	87	65.4 - 123	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0200	mg/L	1	0.0250	<0.00110	80	72.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0195	mg/L	1	0.0250	<0.00110	78	72.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.195	mg/L	1	0.250	<0.000400	78	72.7 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.198	mg/L	1	0.250	<0.000400	79	72.7 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.191	mg/L	1	0.250	<0.000400	76	72.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.201	mg/L	1	0.250	<0.000400	80	72.6 - 116	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0860	mg/L	1	0.100	<0.000500	86	62.9 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0880	mg/L	1	0.100	<0.000500	88	62.9 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.111	mg/L	1	0.125	0.004	86	81 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.118	mg/L	1	0.125	0.004	91	81 - 112	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.184	mg/L	1	0.250	<0.00130	74	55.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.196	mg/L	1	0.250	<0.00130	78	55.4 - 121	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.454	mg/L	1	0.500	<0.00360	91	82.6 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.486	mg/L	1	0.500	<0.00360	97	82.6 - 114	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.228	mg/L	1	0.250	<0.00470	91	72.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.222	mg/L	1	0.250	<0.00470	89	72.9 - 112	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.437	mg/L	1	0.500	<0.00660	87	65.5 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.446	mg/L	1	0.500	<0.00660	89	65.5 - 106	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 | Date Analyzed: 2008-01-25 | Analyzed By: RR
Prep Batch: 38732 | QC Preparation: 2008-01-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.396	mg/L	1	0.500	<0.00210	79	52.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.409	mg/L	1	0.500	<0.00210	82	52.2 - 124	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.188	mg/L	1	0.250	<0.000500	75	60.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.199	mg/L	1	0.250	<0.000500	80	60.8 - 119	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148504

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR
Prep Batch: 38732 QC Preparation: 2008-01-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.227	mg/L	1	0.250	<0.00210	91	76.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.228	mg/L	1	0.250	<0.00210	91	76.9 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 45249 Date Analyzed: 2008-02-04 Analyzed By: TP
Prep Batch: 38967 QC Preparation: 2008-02-04 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000251	98	63.1 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000251	98	63.1 - 129	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.117	mg/L	1	0.125	<0.00110	94	76.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.118	mg/L	1	0.125	<0.00110	94	76.1 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.451	mg/L	1	0.500	<0.00260	90	81.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.442	mg/L	1	0.500	<0.00260	88	81.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.946	mg/L	1	1.00	0.052	89	65.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.959	mg/L	1	1.00	0.052	91	65.4 - 123	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0224	mg/L	1	0.0250	<0.00110	90	72.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0242	mg/L	1	0.0250	<0.00110	97	72.7 - 113	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.220	mg/L	1	0.250	<0.000400	88	72.7 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.222	mg/L	1	0.250	<0.000400	89	72.7 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.222	mg/L	1	0.250	<0.000400	89	72.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.221	mg/L	1	0.250	<0.000400	88	72.6 - 116	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0930	mg/L	1	0.100	<0.000500	93	62.9 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0940	mg/L	1	0.100	<0.000500	94	62.9 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	81 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.116	mg/L	1	0.125	<0.000900	93	81 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.219	mg/L	1	0.250	<0.00130	88	55.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.222	mg/L	1	0.250	<0.00130	89	55.4 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.424	mg/L	1	0.500	<0.00360	85	82.6 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.429	mg/L	1	0.500	<0.00360	86	82.6 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.235	mg/L	1	0.250	<0.00470	94	72.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.223	mg/L	1	0.250	<0.00470	89	72.9 - 112	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.434	mg/L	1	0.500	<0.00660	87	65.5 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.442	mg/L	1	0.500	<0.00660	88	65.5 - 106	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR
Prep Batch: 38928 QC Preparation: 2008-02-01 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.481	mg/L	1	0.500	<0.00210	96	52.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.458	mg/L	1	0.500	<0.00210	92	52.2 - 124	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.225	mg/L	1	0.250	0.009	86	60.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.225	mg/L	1	0.250	0.009	86	60.8 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 45520 | Date Analyzed: 2008-02-12 | Analyzed By: RR
Prep Batch: 38928 | QC Preparation: 2008-02-01 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.223	mg/L	1	0.250	<0.00210	89	76.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.223	mg/L	1	0.250	<0.00210	89	76.9 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.130	mg/L	1	0.125	<0.00110	104	76.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.128	mg/L	1	0.125	<0.00110	102	76.1 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.500	mg/L	1	0.500	<0.00260	100	81.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.494	mg/L	1	0.500	<0.00260	99	81.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.11	mg/L	1	1.00	0.066	104	65.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.09	mg/L	1	1.00	0.066	102	65.4 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	72.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	72.7 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.272	mg/L	1	0.250	<0.000400	109	72.7 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.263	mg/L	1	0.250	<0.000400	105	72.7 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.260	mg/L	1	0.250	<0.000400	104	72.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.270	mg/L	1	0.250	<0.000400	108	72.6 - 116	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.109	mg/L	1	0.100	<0.000500	109	62.9 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.108	mg/L	1	0.100	<0.000500	108	62.9 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.132	mg/L	1	0.125	<0.000900	106	81 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.131	mg/L	1	0.125	<0.000900	105	81 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.269	mg/L	1	0.250	<0.00130	108	55.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.259	mg/L	1	0.250	<0.00130	104	55.4 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.506	mg/L	1	0.500	<0.00360	101	82.6 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.528	mg/L	1	0.500	<0.00360	106	82.6 - 114	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.246	mg/L	1	0.250	<0.00470	98	72.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.256	mg/L	1	0.250	<0.00470	102	72.9 - 112	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 | Date Analyzed: 2008-02-15 | Analyzed By: RR
Prep Batch: 39027 | QC Preparation: 2008-02-05 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.484	mg/L	1	0.500	<0.00660	97	65.5 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.481	mg/L	1	0.500	<0.00660	96	65.5 - 106	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.540	mg/L	1	0.500	<0.00210	108	52.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.523	mg/L	1	0.500	<0.00210	105	52.2 - 124	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.253	mg/L	1	0.250	<0.000500	101	60.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.253	mg/L	1	0.250	<0.000500	101	60.8 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149364

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR
Prep Batch: 39027 QC Preparation: 2008-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.287	mg/L	1	0.250	0.026	104	76.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.287	mg/L	1	0.250	0.026	104	76.9 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 149299

QC Batch: 46143 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39349 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000251	101	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00106	mg/L	1	0.00100	<0.0000251	106	75 - 125	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.132	mg/L	1	0.125	<0.00110	106	76.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.134	mg/L	1	0.125	<0.00110	107	76.1 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.541	mg/L	1	0.500	<0.00260	108	81.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.530	mg/L	1	0.500	<0.00260	106	81.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.15	mg/L	1	1.00	0.073	108	65.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.18	mg/L	1	1.00	0.073	111	65.4 - 123	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0270	mg/L	1	0.0250	<0.00110	108	72.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00110	104	72.7 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.273	mg/L	1	0.250	<0.000400	109	72.7 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.279	mg/L	1	0.250	<0.000400	112	72.7 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.274	mg/L	1	0.250	<0.000400	110	72.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.278	mg/L	1	0.250	<0.000400	111	72.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.112	mg/L	1	0.100	<0.000500	112	62.9 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.114	mg/L	1	0.100	<0.000500	114	62.9 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.133	mg/L	1	0.125	<0.000900	106	81 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.135	mg/L	1	0.125	<0.000900	108	81 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.271	mg/L	1	0.250	<0.00130	108	55.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.276	mg/L	1	0.250	<0.00130	110	55.4 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.496	mg/L	1	0.500	<0.00360	99	82.6 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.516	mg/L	1	0.500	<0.00360	103	82.6 - 114	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.267	mg/L	1	0.250	<0.00470	107	72.9 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.268	mg/L	1	0.250	<0.00470	107	72.9 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.495	mg/L	1	0.500	<0.00660	99	65.5 - 106

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.496	mg/L	1	0.500	<0.00660	99	65.5 - 106	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.562	mg/L	1	0.500	<0.00210	112	52.2 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.589	mg/L	1	0.500	<0.00210	118	52.2 - 124	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.262	mg/L	1	0.250	0.006	102	60.8 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.269	mg/L	1	0.250	0.006	105	60.8 - 119	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 148999

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 39348 QC Preparation: 2008-02-19 Prepared By: RR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.260	mg/L	1	0.250	0.004	102	76.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.266	mg/L	1	0.250	0.004	105	76.9 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 146151

QC Batch: 46146 Date Analyzed: 2008-03-03 Analyzed By: RR
Prep Batch: 38103 QC Preparation: 2007-12-27 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000251	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000251	104	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 44086 Date Analyzed: 2007-12-21 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000960	96	90 - 110	2007-12-21

Standard (CCV-1)

QC Batch: 44086 Date Analyzed: 2007-12-21 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	80 - 120	2007-12-21

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.948	95	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.00	100	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.994	99	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.02	102	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.997	100	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.984	98	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.986	99	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.124	99	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.979	98	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.00	100	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.00	100	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.991	99	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.00	100	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.01	101	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.07	107	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.03	103	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.08	108	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.998	100	90 - 110	2007-12-26

Standard (CCV-1)

QC Batch: 44133 Date Analyzed: 2007-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.998	100	90 - 110	2007-12-26

Standard (ICV-1)

QC Batch: 44233 Date Analyzed: 2007-12-28 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44233 Date Analyzed: 2007-12-28 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.976	98	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.974	97	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.985	98	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.950	95	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.993	99	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.957	96	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.964	96	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.980	98	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.958	96	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.01	101	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.943	94	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.945	94	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.990	99	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.00	100	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.973	97	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.930	93	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.983	98	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.957	96	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.974	97	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.993	99	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.989	99	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.06	106	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.941	94	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.989	99	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.955	96	90 - 110	2007-12-28

Standard (CCV-1)

QC Batch: 44242 Date Analyzed: 2007-12-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.986	99	90 - 110	2007-12-28

Standard (ICV-1)

QC Batch: 44312 Date Analyzed: 2007-12-31 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	90 - 110	2007-12-31

Standard (CCV-1)

QC Batch: 44312 Date Analyzed: 2007-12-31 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	80 - 120	2007-12-31

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.129	103	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.03	103	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.04	104	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.02	102	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.02	102	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.07	107	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.06	106	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.00	100	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.120	96	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.971	97	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.966	97	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.974	97	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.956	96	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.969	97	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.954	95	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.957	96	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.00	100	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.939	94	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.01	101	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.981	98	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.977	98	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.947	95	90 - 110	2008-01-02

Standard (CCV-1)

QC Batch: 44338 Date Analyzed: 2008-01-02 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.936	94	90 - 110	2008-01-02

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.05	105	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.00	100	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.03	103	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.01	101	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.05	105	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.00	100	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.07	107	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.09	109	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.00	100	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.03	103	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.996	100	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.998	100	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.129	103	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.04	104	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.04	104	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.06	106	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.06	106	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.03	103	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.04	104	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.02	102	90 - 110	2008-01-10

Standard (CCV-1)

QC Batch: 44549 Date Analyzed: 2008-01-10 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.09	109	90 - 110	2008-01-10

Standard (ICV-1)

QC Batch: 44599 Date Analyzed: 2008-01-11 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44599 Date Analyzed: 2008-01-11 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.01	101	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.998	100	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.01	101	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.974	97	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.02	102	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.988	99	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.04	104	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.993	99	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.07	107	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.00	100	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.01	101	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.979	98	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.974	97	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.120	96	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.953	95	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.970	97	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.977	98	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.936	94	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.991	99	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.947	95	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.966	97	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.00	100	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.966	97	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.05	105	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.987	99	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.994	99	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.948	95	90 - 110	2008-01-11

Standard (CCV-1)

QC Batch: 44601 Date Analyzed: 2008-01-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.997	100	90 - 110	2008-01-11

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.971	97	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.995	100	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.996	100	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.961	96	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.973	97	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.984	98	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.994	99	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.01	101	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.989	99	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.971	97	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.963	96	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.120	96	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.967	97	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.984	98	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.971	97	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.935	94	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.980	98	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.945	94	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.964	96	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.994	99	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.956	96	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.05	105	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.965	96	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.980	98	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.948	95	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44698 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.935	94	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.971	97	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.995	100	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.996	100	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.961	96	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.973	97	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.984	98	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.994	99	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.01	101	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.989	99	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.971	97	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.963	96	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.134	107	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.06	106	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.06	106	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.08	108	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.06	106	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.08	108	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.05	105	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.05	105	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.09	109	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.04	104	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.05	105	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.07	107	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.04	104	90 - 110	2008-01-15

Standard (CCV-1)

QC Batch: 44699 Date Analyzed: 2008-01-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.07	107	90 - 110	2008-01-15

Standard (ICV-1)

QC Batch: 44755 Date Analyzed: 2008-01-16 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000980	98	90 - 110	2008-01-16

Standard (CCV-1)

QC Batch: 44755 Date Analyzed: 2008-01-16 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00105	105	80 - 120	2008-01-16

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.994	99	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.989	99	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.985	98	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.960	96	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.969	97	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.960	96	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.973	97	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.00	100	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.992	99	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.903	90	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.01	101	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.01	101	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.962	96	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.952	95	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.118	94	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.940	94	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.965	96	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.950	95	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.919	92	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.933	93	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.931	93	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.945	94	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.965	96	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.970	97	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.951	95	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.931	93	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.960	96	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.932	93	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44819 Date Analyzed: 2008-01-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.913	91	90 - 110	2008-01-18

Standard (ICV-1)

QC Batch: 44825 Date Analyzed: 2008-01-18 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	90 - 110	2008-01-18

Standard (CCV-1)

QC Batch: 44825 Date Analyzed: 2008-01-18 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2008-01-18

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.01	101	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.995	100	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.01	101	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.982	98	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.985	98	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.977	98	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.988	99	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.996	100	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.901	90	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.992	99	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.02	102	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.980	98	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.969	97	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.117	94	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.927	93	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.926	93	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.922	92	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.905	90	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.907	91	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.902	90	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.905	90	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.945	94	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.926	93	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.914	91	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.904	90	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.938	94	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.916	92	90 - 110	2008-01-22

Standard (CCV-1)

QC Batch: 44905 Date Analyzed: 2008-01-22 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.918	92	90 - 110	2008-01-22

Standard (ICV-1)

QC Batch: 44979 Date Analyzed: 2008-01-24 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	90 - 110	2008-01-24

Standard (CCV-1)

QC Batch: 44979 Date Analyzed: 2008-01-24 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	80 - 120	2008-01-24

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.04	104	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.03	103	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.02	102	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.01	101	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.05	105	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.03	103	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.950	95	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.07	107	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.04	104	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.00	100	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.00	100	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.08	108	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.07	107	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.02	102	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.06	106	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.05	105	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.08	108	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.03	103	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.06	106	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.01	101	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.03	103	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.06	106	90 - 110	2008-01-25

Standard (CCV-1)

QC Batch: 45003 Date Analyzed: 2008-01-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.08	108	90 - 110	2008-01-25

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.122	98	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.988	99	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.991	99	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.993	99	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.955	96	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.999	100	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.962	96	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.975	98	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.00	100	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.976	98	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.981	98	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.957	96	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.996	100	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.135	108	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.08	108	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.07	107	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.10	110	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.05	105	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.10	110	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.06	106	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.07	107	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.10	110	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.07	107	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.03	103	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.09	109	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.08	108	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.06	106	90 - 110	2008-01-31

Standard (CCV-1)

QC Batch: 45169 Date Analyzed: 2008-01-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2008-01-31

Standard (ICV-1)

QC Batch: 45249 Date Analyzed: 2008-02-04 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	90 - 110	2008-02-04

Standard (CCV-1)

QC Batch: 45249 Date Analyzed: 2008-02-04 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	80 - 120	2008-02-04

Standard (ICV-1)

QC Batch: 45252 Date Analyzed: 2008-02-04 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	90 - 110	2008-02-04

Standard (CCV-1)

QC Batch: 45252 Date Analyzed: 2008-02-04 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	80 - 120	2008-02-04

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.119	95	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.985	98	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.975	98	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.977	98	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.958	96	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.973	97	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.956	96	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.962	96	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.996	100	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.956	96	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.05	105	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.973	97	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.949	95	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.122	98	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.980	98	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.997	100	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.990	99	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.959	96	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.988	99	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.964	96	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.978	98	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.969	97	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.04	104	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.980	98	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.04	104	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.962	96	90 - 110	2008-02-12

Standard (CCV-1)

QC Batch: 45520 Date Analyzed: 2008-02-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.952	95	90 - 110	2008-02-12

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.990	99	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.00	100	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.974	97	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.974	97	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.981	98	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.03	103	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.988	99	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.02	102	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.970	97	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.963	96	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.04	104	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.01	101	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.04	104	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.06	106	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.01	101	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.08	108	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.03	103	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.03	103	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.06	106	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.998	100	90 - 110	2008-02-15

Standard (CCV-1)

QC Batch: 45604 Date Analyzed: 2008-02-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2008-02-15

Standard (ICV-1)

QC Batch: 46143 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46143 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	80 - 120	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.122	98	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.988	99	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.991	99	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.993	99	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.955	96	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.999	100	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.962	96	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.975	98	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.00	100	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.03	103	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.976	98	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.981	98	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.957	96	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.996	100	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.135	108	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.08	108	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.07	107	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.10	110	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.05	105	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.10	110	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.06	106	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.07	107	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.10	110	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.07	107	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.03	103	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.09	109	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.08	108	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.06	106	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46145 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2008-03-03

Standard (ICV-1)

QC Batch: 46146 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	90 - 110	2008-03-03

Standard (CCV-1)

QC Batch: 46146 Date Analyzed: 2008-03-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2008-03-03

Alloway
Your Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *21-Mar-07*

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Our Lab #: 07-03204
Date Logged-In: 3/14/07
Sample Type: Water
Project #:

Your Sample ID: 118395
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/14/2007

PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/7/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/19/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:

Michael J. Herdlick
Quality Assurance Officer

This report shall not be reproduced, except in its entirety, without the written approval of the laboratory.

The results presented on this Certificate of Analysis only reflect those parameters that were requested by the client on the chain of custody or other documentation received with the sample(s). The analytical results relate only to the items tested. Analytical results are based on dry-weights for solid samples, unless otherwise specified.

101 N. Cole Street • Lima, Ohio 45805
419.223.1362 • Fax 419.227.3792
800.436.1243

508 Bissman Ct. • Mansfield, Ohio 44903
419.525.1644 • Fax 419.524.5575

Formerly
1776 Marion-Waldo Rd. • P.O. Box 436
Marion, Ohio 43301 • 740.389.5991
800.873.2835 • Fax 740.389.1481

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- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *21-Mar-07*

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Our Lab #: 07-03205
Date Logged-In: 3/14/07
Sample Type: Water
Project #:

Your Sample ID: 118683
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/14/2007
PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/9/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/19/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:
Michael J. Herdlick
Quality Assurance Officer

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The results presented on this Certificate of Analysis only reflect those parameters that were requested by the client on the chain of custody or other documentation received with the sample(s). The analytical results relate only to the items tested. Analytical results are based on dry-weights for solid samples, unless otherwise specified.

Formerly ATEL
Lab Number 07-03205

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800.436.1243

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LAB Order ID #______ Page______ of ______

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: **Phone #:**

Address: **(Street, City, Zip)** **Fax #:**

Contact Person: Dell Green **E-mail:**

Invoice to:
(If different from above)

Project #: **Project Name:**

Project Location (including state): **Sampler Signature:**

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE		SAMPLING: DATE	TIME
	118395	2		✓								✓				3-7-07	
	118683	1		✓								✓				3-9-07	

ANALYSIS REQUEST
(Circle or Specify Method No.)

Field Code	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Free CN	Turn Around Time if different from standard	Hold
118395		03264																X		
118683		03265																X		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: [signature]	Date: 3/14/07	Time:

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp °
Log-in-Review

REMARKS:

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier #

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

LAB COPY

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- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *26-Mar-07*

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Our Lab #: 07-03568
Date Logged-In: 3/21/07
Sample Type: Water
Project #:

Your Sample ID: 118908
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/21/2007 **PO#:**

- COLLECTION INFORMATION -

Date/Time/By: 3/15/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/23/2007	Cyanide, Free, CN	0.04 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:

Michael J. Herdlick
Quality Assurance Officer

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419.525.1644 • Fax 419.524.5575

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Marion, Ohio 43301 • 740.389.5991
800.873.2835 • Fax 740.389.1481

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Your Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *26-Mar-07*

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Our Lab #: 07-03569
Date Logged-In: 3/21/07
Sample Type: Water
Project #:

Your Sample ID: 118910
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/21/2007 **PO#:**

- COLLECTION INFORMATION -

Date/Time/By: 3/15/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/23/2007	Cyanide, Free, CN	0.04 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:

Michael J. Herdlick
Quality Assurance Officer

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LAB Order ID #_____ Page_____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

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Midland, Texas 79703
Tel (432) 689-6301
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200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: _____ **Phone #:** _____

Address: (Street, City, Zip) _____ **Fax #:** _____

Contact Person: Dell Green **E-mail:** _____

Invoice to:
(If different from above) _____

Project #: _____ **Project Name:** _____

Project Location (including state): _____ **Sampler Signature:** _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Free Cl2					Turn Around Time if different from standard	Hold
	118908	1		✓							✓			3-15-07		035568															X						
	118910	1		✓							✓			3-15-07		035569															X						

Relinquished by: _____ **Date:** _____ **Time:** _____ **Received by:** _____ **Date:** _____ **Time:** _____

Relinquished by: _____ **Date:** _____ **Time:** _____ **Received by:** _____ **Date:** _____ **Time:** _____

Relinquished by: _____ **Date:** _____ **Time:** _____ **Received at Laboratory by:** _____ **Date:** 3/21/07 **Time:** _____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp _____ °

Log-in-Review _____

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # _____

Alloway
Our Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: 12565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Attn: Nell Green

Phone: (806) 794-1296 Ext:
FAX: (806) 794-1298

Report Date: *29-Mar-07*

Our Lab #: 07-03701
Date Logged-In: 3/23/07
Sample Type: Water
Project #:

Your Sample ID: 119228
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/23/2007

PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/19/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/28/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:
Michael J. Herdlick
Quality Assurance Officer

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Your Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Attn: Nell Green

Report Date: *29-Mar-07*

Phone: (806) 794-1296 Ext:
FAX: (806) 794-1298

Our Lab #: 07-03702
Date Logged-In: 3/23/07
Sample Type: Water
Project #:

Your Sample ID: 119421
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/23/2007

PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/20/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/28/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:

Michael J. Herdlick
Quality Assurance Officer

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Lab Number 07-03702

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- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *29-Mar-07*

Attn: Nell Green

Phone: (806) 794-1296 Ext:
FAX: (806) 794-1298

Our Lab #: 07-03703
Date Logged-In: 3/23/07
Sample Type: Water
Project #:

Your Sample ID: 119424
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/23/2007

PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/20/2007

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		3/28/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

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Michael J. Herdlick
Quality Assurance Officer

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6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: **Phone #:**

Address: (Street, City, Zip) **Fax #:**

Contact Person: Neil Green **E-mail:**

Invoice to:
(If different from above)

Project #: **Project Name:**

Project Location (including state): **Sampler Signature:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
03701	119228	1	250	X							X			3/19	
03702	119421	1	250	X							X			3/20	
	~~119442~~														
03705	119424	1	250	X							X			3/20	

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	FREE CYANIDE				Turn Around Time if different from standard	Hold
																	X						
																	X						
																	X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Brenda Ward	3/22/07	2:45			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				3/23/07	

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp_____ °

Log-in-Review_____

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier #

Alloway
Your Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Attn: Nell Green

Report Date: *03-Apr-07*

Phone: (806) 794-1296 Ext:
FAX: (806) 794-1298

Our Lab #: 07-03883
Date Logged-In: 3/28/07
Sample Type: Water
Project #:

Your Sample ID: 119540
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/28/2007
PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/21/2007 2:00 PM

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		4/2/2007	Cyanide, Free, CN	0.03 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:

Michael J. Herdlick
Quality Assurance Officer

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- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *03-Apr-07*

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Our Lab #: 07-03884
Date Logged-In: 3/28/07
Sample Type: Water
Project #:

Your Sample ID: 119830
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/28/2007 **PO#:**

- COLLECTION INFORMATION -

Date/Time/By: 3/22/2007 2:00 PM

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		4/2/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

Total Pages in Report: 1

Report Approved By:

Michael J. Herdlick
Quality Assurance Officer

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Lab Number 07-03884

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- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Report Date: *03-Apr-07*

Our Lab #: 07-03885
Date Logged-In: 3/28/07
Sample Type: Water
Project #:

Your Sample ID: 119832
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/28/2007

PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/23/2007 1:15 PM

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		4/2/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

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LAB Order ID #_____ Page_____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: **Phone #:**

Address: (Street, City, Zip) **Fax #:**

Contact Person: Neal Green **E-mail:**

Invoice to:
(If different from above)

Project #: **Project Name:**

Project Location (including state): **Sampler Signature:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	119540			X							X			3/21/07	14:00
	119830			X							X			3/22/07	14:00
	119832			X							X			3/23/07	13:15

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	FREE CYANIDE			Turn Around Time if different from standard	Hold
																			3883		
																			3884		
																			3885		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Brenda Ward	3/26/07	12:35			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				3/25/07	

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp 4°C

Log-in-Review caldwell 3/26

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

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Carrier #

Alloway
Your Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *03-Apr-07*

Attn: Nell Green

Phone: (806) 794-1296 Ext:
FAX: (806) 794-1298

Our Lab #: 07-03983
Date Logged-In: 3/30/07
Sample Type: Water
Project #:

Your Sample ID: 120040
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/30/2007

PO#:

- COLLECTION INFORMATION -

Date/Time/By: 3/26/2007 11:20 AM

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		4/2/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

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Your Resource for Defensible Data

- CERTIFICATE OF ANALYSIS -

Client #: I2565
Trace Analysis
6701 Aberdeen Suite 9
Lubbock, TX 79424-

Report Date: *03-Apr-07*

Attn: Nell Green

Phone: (806) 794-1296 **Ext:**
FAX: (806) 794-1298

Our Lab #: 07-03984
Date Logged-In: 3/30/07
Sample Type: Water
Project #:

Your Sample ID: 120041
Sample Source: Water
Client Project #:
Date Submitted to Lab: 3/30/2007 **PO#:**

- COLLECTION INFORMATION -

Date/Time/By: 3/26/2007 2:30 PM

EPA Method	Analyst	Extraction Date	Analysis Date	Parameter	Result	PQL
4500-CN-I						
	DLQ		4/2/2007	Cyanide, Free, CN	< 0.01 mg/L	0.01

«-- End of Report --»

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LAB Order ID #________________ Page______ of ______

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email: lab@traceanalysis.com

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Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: **Phone #:**

Address: (Street, City, Zip) **Fax #:**

Contact Person: Nell Dreen **E-mail:**

Invoice to:
(If different from above)

Project #: **Project Name:**

Project Location (including state): **Sampler Signature:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX:	PRESERVATIVE METHOD: HCl	HNO$_3$	H$_2$SO$_4$	NaOH	ICE	NONE		SAMPLING: DATE	SAMPLING: TIME
	120040	1		03983								X				3/26/07	11:20
	120041	1		03984								X				3/26/07	14:30

FIELD CODE	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	FREE CYANIDE				Turn Around Time if different from standard	Hold
120040																		X					
120041																		X					

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	**Date:**	**Time:**	**Received by:**	**Date:**	**Time:**
Relinquished by:	**Date:**	**Time:**	**Received at Laboratory by:**	**Date:**	**Time:**
Brenda Ward	3/29/07	12:40	Kim Bebb	3/30/07	

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp
Log-in-Review

REMARKS:

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34868	Date Analyzed:	2007-02-09	Analyzed By:	JG
Prep Batch:	30249	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34868	Date Analyzed:	2007-02-09	Analyzed By:	JG
Prep Batch:	30249	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**88.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**88.0**		mg/L as CaCo3	1	4.00

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34980	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30358	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**88.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**88.0**		mg/L as CaCo3	1	4.00

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34939	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30319	Sample Preparation:	2007-02-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00

continued . . .

sample 116335 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**124**	mg/L as CaCo3	1	4.00
Total Alkalinity		**124**	mg/L as CaCo3	1	4.00

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34939	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30319	Sample Preparation:	2007-02-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**104**	mg/L as CaCo3	1	4.00
Total Alkalinity		**104**	mg/L as CaCo3	1	4.00

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34939	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30319	Sample Preparation:	2007-02-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**106**	mg/L as CaCo3	1	4.00
Total Alkalinity		**106**	mg/L as CaCo3	1	4.00

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34980	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30358	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**	mg/L as CaCo3	1	4.00

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34980	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30358	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**90.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**90.0**		mg/L as CaCo3	1	4.00

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34980	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30358	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**94.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**94.0**		mg/L as CaCo3	1	4.00

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35136	Date Analyzed:	2007-02-27	Analyzed By:	JG
Prep Batch:	30492	Sample Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**120**		mg/L as CaCo3	1	4.00
Total Alkalinity		**120**		mg/L as CaCo3	1	4.00

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35136	Date Analyzed:	2007-02-27	Analyzed By:	JG
Prep Batch:	30492	Sample Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**100**		mg/L as CaCo3	1	4.00

continued ...

sample 117177 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Alkalinity		**100**	mg/L as CaCo3	1	4.00

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35136	Date Analyzed:	2007-02-27	Analyzed By:	JG
Prep Batch:	30492	Sample Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**82.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**82.0**	mg/L as CaCo3	1	4.00

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35136	Date Analyzed:	2007-02-27	Analyzed By:	JG
Prep Batch:	30492	Sample Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**156**	mg/L as CaCo3	1	4.00
Total Alkalinity		**156**	mg/L as CaCo3	1	4.00

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35170	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30524	Sample Preparation:	2007-03-01	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**66.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**66.0**	mg/L as CaCo3	1	4.00

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35170	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30524	Sample Preparation:	2007-03-01	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**		mg/L as CaCo3	1	4.00

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35170	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30524	Sample Preparation:	2007-03-01	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**110**		mg/L as CaCo3	1	4.00
Total Alkalinity		**110**		mg/L as CaCo3	1	4.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35170	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30524	Sample Preparation:	2007-03-01	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35170	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30524	Sample Preparation:	2007-03-01	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**62.0**		mg/L as CaCo3	1	4.00

continued . . .

sample 117757 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**62.0**		mg/L as CaCo3	1	4.00

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35630	Date Analyzed:	2007-03-15	Analyzed By:	JG
Prep Batch:	30910	Sample Preparation:	2007-03-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**88.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**88.0**		mg/L as CaCo3	1	4.00

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35744	Date Analyzed:	2007-03-20	Analyzed By:	JG
Prep Batch:	31014	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**98.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**98.0**		mg/L as CaCo3	1	4.00

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35744	Date Analyzed:	2007-03-20	Analyzed By:	JG
Prep Batch:	31014	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35744	Date Analyzed:	2007-03-20	Analyzed By:	JG
Prep Batch:	31014	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**74.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**74.0**	mg/L as CaCo3	1	4.00

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35960	Date Analyzed:	2007-03-27	Analyzed By:	JG
Prep Batch:	31211	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**	mg/L as CaCo3	1	4.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	Sample Preparation:	2007-03-30	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**	mg/L as CaCo3	1	4.00

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	35960	Date Analyzed:	2007-03-27	Analyzed By:	JG
Prep Batch:	31211	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**	mg/L as CaCo3	1	4.00

continued . . .

sample 119424 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**78.0**		mg/L as CaCo3	1	4.00

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	Sample Preparation:	2007-03-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	Sample Preparation:	2007-03-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**86.0**		mg/L as CaCo3	1	4.00

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	Sample Preparation:	2007-03-30	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	Sample Preparation:	2007-03-30	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**	mg/L as CaCo3	1	4.00

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	Sample Preparation:	2007-03-30	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	1	4.00
Total Alkalinity		<4.00	mg/L as CaCo3	1	4.00

Method Blank (1) QC Batch: 34868

QC Batch:	34868	Date Analyzed:	2007-02-09	Analyzed By:	JG
Prep Batch:	30249	QC Preparation:	2007-02-09	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 34939

QC Batch:	34939	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30319	QC Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 34980

QC Batch: 34980 Date Analyzed: 2007-02-23 Analyzed By: JG
Prep Batch: 30358 QC Preparation: 2007-02-23 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 35136

QC Batch: 35136 Date Analyzed: 2007-02-27 Analyzed By: JG
Prep Batch: 30492 QC Preparation: 2007-02-27 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 35170

QC Batch: 35170 Date Analyzed: 2007-03-01 Analyzed By: JG
Prep Batch: 30524 QC Preparation: 2007-03-01 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 35630

QC Batch: 35630 Date Analyzed: 2007-03-15 Analyzed By: JG
Prep Batch: 30910 QC Preparation: 2007-03-15 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 35744

QC Batch:	35744	Date Analyzed:	2007-03-20	Analyzed By:	JG
Prep Batch:	31014	QC Preparation:	2007-03-20	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 35960

QC Batch:	35960	Date Analyzed:	2007-03-27	Analyzed By:	JG
Prep Batch:	31211	QC Preparation:	2007-03-27	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 36083

QC Batch:	36083	Date Analyzed:	2007-03-30	Analyzed By:	JG
Prep Batch:	31308	QC Preparation:	2007-03-30	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Duplicates (1)

QC Batch: 34868 Date Analyzed: 2007-02-09 Analyzed By: JG
Prep Batch: 30249 QC Preparation: 2007-02-09 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	64.0	62.0	mg/L as CaCo3	1	3	6.3
Total Alkalinity	64.0	62.0	mg/L as CaCo3	1	3	6.3

Duplicates (1)

QC Batch: 34939 Date Analyzed: 2007-02-20 Analyzed By: JG
Prep Batch: 30319 QC Preparation: 2007-02-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	68.0	72.0	mg/L as CaCo3	1	6	6.3
Bicarbonate Alkalinity	12.0	10.0	mg/L as CaCo3	1	18	6.3
Total Alkalinity	80.0	82.0	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 34980 Date Analyzed: 2007-02-23 Analyzed By: JG
Prep Batch: 30358 QC Preparation: 2007-02-23 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	76.0	76.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	76.0	76.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 35136 Date Analyzed: 2007-02-27 Analyzed By: JG
Prep Batch: 30492 QC Preparation: 2007-02-27 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	152	156	mg/L as CaCo3	1	3	6.3
Total Alkalinity	152	156	mg/L as CaCo3	1	3	6.3

Duplicates (1)

QC Batch: 35170 Date Analyzed: 2007-03-01 Analyzed By: JG
Prep Batch: 30524 QC Preparation: 2007-03-01 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	60.0	62.0	mg/L as CaCo3	1	3	6.3
Total Alkalinity	60.0	62.0	mg/L as CaCo3	1	3	6.3

Duplicates (1)

QC Batch: 35630 Date Analyzed: 2007-03-15 Analyzed By: JG
Prep Batch: 30910 QC Preparation: 2007-03-15 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	86.0	86.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	86.0	86.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 35744 Date Analyzed: 2007-03-20 Analyzed By: JG
Prep Batch: 31014 QC Preparation: 2007-03-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	74.0	74.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	74.0	74.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 35960 Date Analyzed: 2007-03-27 Analyzed By: JG
Prep Batch: 31211 QC Preparation: 2007-03-27 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	80.0	80.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	80.0	80.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 36083 Date Analyzed: 2007-03-30 Analyzed By: JG
Prep Batch: 31308 QC Preparation: 2007-03-30 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	78.0	80.0	mg/L as CaCo3	1	2	6.3
Total Alkalinity	78.0	80.0	mg/L as CaCo3	1	2	6.3

Standard (ICV-1)

QC Batch: 34868 Date Analyzed: 2007-02-09 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-02-09

Standard (CCV-1)

QC Batch: 34868 Date Analyzed: 2007-02-09 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	252	101	93.7 - 105	2007-02-09

Standard (ICV-1)

QC Batch: 34939 Date Analyzed: 2007-02-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-02-20
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-02-20
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-02-20
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-02-20

Standard (CCV-1)

QC Batch: 34939 Date Analyzed: 2007-02-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-02-20
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-02-20

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-02-20
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-02-20

Standard (ICV-1)

QC Batch: 34980 Date Analyzed: 2007-02-23 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-02-23
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-02-23
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-02-23
Total Alkalinity		mg/L as CaCo3	250	254	102	93.7 - 105	2007-02-23

Standard (CCV-1)

QC Batch: 34980 Date Analyzed: 2007-02-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-02-23
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-02-23
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-02-23
Total Alkalinity		mg/L as CaCo3	250	252	101	93.7 - 105	2007-02-23

Standard (ICV-1)

QC Batch: 35136 Date Analyzed: 2007-02-27 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-02-27
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-02-27
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-02-27
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 105	2007-02-27

Standard (CCV-1)

QC Batch: 35136 Date Analyzed: 2007-02-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-02-27

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-02-27
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-02-27
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-02-27

Standard (ICV-1)

QC Batch: 35170 Date Analyzed: 2007-03-01 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-01
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-03-01
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-03-01
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-03-01

Standard (CCV-1)

QC Batch: 35170 Date Analyzed: 2007-03-01 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-01
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-03-01
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-03-01
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-03-01

Standard (ICV-1)

QC Batch: 35630 Date Analyzed: 2007-03-15 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-15
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-03-15
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-03-15
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-03-15

Standard (CCV-1)

QC Batch: 35630 Date Analyzed: 2007-03-15 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-15
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-03-15
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-03-15
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-03-15

Standard (ICV-1)

QC Batch: 35744 Date Analyzed: 2007-03-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-20
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-03-20
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-03-20
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-03-20

Standard (CCV-1)

QC Batch: 35744 Date Analyzed: 2007-03-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-20
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-03-20
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-03-20
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-03-20

Standard (ICV-1)

QC Batch: 35960 Date Analyzed: 2007-03-27 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-27
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-03-27
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	12.0		0 - 105	2007-03-27
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-03-27

Standard (CCV-1)

QC Batch: 35960 Date Analyzed: 2007-03-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-27
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-03-27
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-03-27
Total Alkalinity		mg/L as CaCo3	250	242	97	93.7 - 105	2007-03-27

Standard (ICV-1)

QC Batch: 36083 Date Analyzed: 2007-03-30 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-30
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-03-30
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-03-30
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-03-30

Standard (CCV-1)

QC Batch: 36083 Date Analyzed: 2007-03-30 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-03-30
Carbonate Alkalinity		mg/L as CaCo3	0.00	220		0 - 105	2007-03-30
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	30.0		0 - 105	2007-03-30
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-03-30

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.439**	mg/L	1	0.0100

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.163**	mg/L	1	0.0100

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34815	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30202	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34815	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30202	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	34815	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30202	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35043	Date Analyzed:	2007-02-26	Analyzed By:	SM
Prep Batch:	30417	Sample Preparation:	2007-02-26	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.151**	mg/L	1	0.0100

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35043	Date Analyzed:	2007-02-26	Analyzed By:	SM
Prep Batch:	30417	Sample Preparation:	2007-02-26	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.172**	mg/L	1	0.0100

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35043	Date Analyzed:	2007-02-26	Analyzed By:	SM
Prep Batch:	30417	Sample Preparation:	2007-02-26	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.104**	mg/L	1	0.0100

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35043	Date Analyzed:	2007-02-26	Analyzed By:	SM
Prep Batch:	30417	Sample Preparation:	2007-02-26	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.283**	mg/L	1	0.0100

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35149	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30464	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0889**	mg/L	1	0.0100

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35149	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30464	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.218**	mg/L	1	0.0100

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35149	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30464	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35164	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30506	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		**0.0974**	mg/L	1	0.0100

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35164	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30506	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35599	Date Analyzed:	2007-03-14	Analyzed By:	SM
Prep Batch:	30880	Sample Preparation:	2007-03-14	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35678	Date Analyzed:	2007-03-19	Analyzed By:	SM
Prep Batch:	30909	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35678	Date Analyzed:	2007-03-19	Analyzed By:	SM
Prep Batch:	30909	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.215**	mg/L	1	0.0100

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	35678	Date Analyzed:	2007-03-19	Analyzed By:	SM
Prep Batch:	30909	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.219**	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.135**	mg/L	1	0.0100

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36029	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31260	Sample Preparation:	2007-03-29	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	36029	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31260	Sample Preparation:	2007-03-29	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 34811

QC Batch:	34811	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30198	QC Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.00402	mg/L	0.01

Method Blank (1) QC Batch: 34815

QC Batch:	34815	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30202	QC Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.00402	mg/L	0.01

Method Blank (1) QC Batch: 35043

QC Batch:	35043	Date Analyzed:	2007-02-26	Analyzed By:	SM
Prep Batch:	30417	QC Preparation:	2007-02-26	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.00402	mg/L	0.01

Method Blank (1) QC Batch: 35149

QC Batch:	35149	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30464	QC Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.00402	mg/L	0.01

Method Blank (1) QC Batch: 35164

QC Batch:	35164	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30506	QC Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.00402	mg/L	0.01

Method Blank (1) QC Batch: 35599

QC Batch:	35599	Date Analyzed:	2007-03-14	Analyzed By:	SM
Prep Batch:	30880	QC Preparation:	2007-03-14	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.00402	mg/L	0.01

Method Blank (1) QC Batch: 35678

QC Batch:	35678	Date Analyzed:	2007-03-19	Analyzed By:	SM
Prep Batch:	30909	QC Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 36028

QC Batch:	36028	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31199	QC Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 36029

QC Batch:	36029	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31260	QC Preparation:	2007-03-29	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 34811 | Date Analyzed: 2007-02-20 | Analyzed By: SM
Prep Batch: 30198 | QC Preparation: 2007-02-20 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.101	mg/L	1	0.120	<0.00402	84	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.0915	mg/L	1	0.120	<0.00402	76	80 - 120	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34815 | Date Analyzed: 2007-02-20 | Analyzed By: SM
Prep Batch: 30202 | QC Preparation: 2007-02-20 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.123	mg/L	1	0.120	<0.00402	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.113	mg/L	1	0.120	<0.00402	94	80 - 120	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35043 | Date Analyzed: 2007-02-26 | Analyzed By: SM
Prep Batch: 30417 | QC Preparation: 2007-02-26 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide [1]	0.0856	mg/L	1	0.120	<0.00402	71	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide [2]	0.0904	mg/L	1	0.120	<0.00402	75	80 - 120	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] LCS passed on Total CN limits •
[2] LCSD passed on Total CN QC limits •

Laboratory Control Spike (LCS-1)

QC Batch: 35149 | Date Analyzed: 2007-03-01 | Analyzed By: SM
Prep Batch: 30464 | QC Preparation: 2007-03-01 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.112	mg/L	1	0.120	<0.00402	93	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.108	mg/L	1	0.120	<0.00402	90	80 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35164 | Date Analyzed: 2007-03-01 | Analyzed By: SM
Prep Batch: 30506 | QC Preparation: 2007-03-01 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.115	mg/L	1	0.120	<0.00402	96	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.119	mg/L	1	0.120	<0.00402	99	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35599 | Date Analyzed: 2007-03-14 | Analyzed By: SM
Prep Batch: 30880 | QC Preparation: 2007-03-14 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide [3]	0.0866	mg/L	1	0.120	<0.00402	72	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide [4]	0.0914	mg/L	1	0.120	<0.00402	76	80 - 120	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[3] results passed for total cyanide •
[4] results passed for total cyanide •

Laboratory Control Spike (LCS-1)

QC Batch: 35678 Date Analyzed: 2007-03-19 Analyzed By: SM
Prep Batch: 30909 QC Preparation: 2007-03-16 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.0898	mg/L	1	0.120	<0.000829	75	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.106	mg/L	1	0.120	<0.000829	88	65.5 - 111	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36028 Date Analyzed: 2007-03-29 Analyzed By: SM
Prep Batch: 31199 QC Preparation: 2007-03-27 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.0992	mg/L	1	0.120	<0.000829	83	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.101	mg/L	1	0.120	<0.000829	84	65.5 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36029 Date Analyzed: 2007-03-29 Analyzed By: SM
Prep Batch: 31260 QC Preparation: 2007-03-29 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.0969	mg/L	1	0.120	<0.000829	81	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.0992	mg/L	1	0.120	<0.000829	83	65.5 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 34811 Date Analyzed: 2007-02-20 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-02-20

Standard (CCV-1)

QC Batch: 34811 Date Analyzed: 2007-02-20 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.123	102	85 - 115	2007-02-20

Standard (ICV-1)

QC Batch: 34815 Date Analyzed: 2007-02-20 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.130	108	85 - 115	2007-02-20

Standard (CCV-1)

QC Batch: 34815 Date Analyzed: 2007-02-20 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.126	105	85 - 115	2007-02-20

Standard (ICV-1)

QC Batch: 35043 Date Analyzed: 2007-02-26 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.103	86	85 - 115	2007-02-26

Standard (CCV-1)

QC Batch: 35043 Date Analyzed: 2007-02-26 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.108	90	85 - 115	2007-02-26

Standard (ICV-1)

QC Batch: 35149 Date Analyzed: 2007-03-01 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.112	93	85 - 115	2007-03-01

Standard (CCV-1)

QC Batch: 35149 Date Analyzed: 2007-03-01 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.111	92	85 - 115	2007-03-01

Standard (ICV-1)

QC Batch: 35164 Date Analyzed: 2007-03-01 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.111	92	85 - 115	2007-03-01

Standard (CCV-1)

QC Batch: 35164 Date Analyzed: 2007-03-01 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.113	94	85 - 115	2007-03-01

Standard (ICV-1)

QC Batch: 35599 Date Analyzed: 2007-03-14 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.112	93	85 - 115	2007-03-14

Standard (CCV-1)

QC Batch: 35599 Date Analyzed: 2007-03-14 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.111	92	85 - 115	2007-03-14

Standard (ICV-1)

QC Batch: 35678 Date Analyzed: 2007-03-19 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.106	88	85 - 115	2007-03-19

Standard (CCV-1)

QC Batch: 35678 Date Analyzed: 2007-03-19 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.106	88	85 - 115	2007-03-19

Standard (ICV-1)

QC Batch: 36028 Date Analyzed: 2007-03-29 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.114	95	85 - 115	2007-03-29

Standard (CCV-1)

QC Batch: 36028 Date Analyzed: 2007-03-29 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-03-29

Standard (ICV-1)

QC Batch: 36029 Date Analyzed: 2007-03-29 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-03-29

Standard (CCV-1)

QC Batch: 36029 Date Analyzed: 2007-03-29 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.116	97	85 - 115	2007-03-29

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34727	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30131	Sample Preparation:	2007-02-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34727	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30131	Sample Preparation:	2007-02-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34727	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30131	Sample Preparation:	2007-02-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34727	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30131	Sample Preparation:	2007-02-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34728	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30132	Sample Preparation:	2007-12-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34728	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30132	Sample Preparation:	2007-12-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34728	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30132	Sample Preparation:	2007-12-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34728	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30132	Sample Preparation:	2007-12-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34728	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30132	Sample Preparation:	2007-12-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34947	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30323	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34947	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30323	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34947	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30323	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	34947	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30323	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35109	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30466	Sample Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35109	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30466	Sample Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35109	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30466	Sample Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35191	Date Analyzed:	2007-03-02	Analyzed By:	SM
Prep Batch:	30541	Sample Preparation:	2007-03-02	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35191	Date Analyzed:	2007-03-02	Analyzed By:	SM
Prep Batch:	30541	Sample Preparation:	2007-03-02	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35552	Date Analyzed:	2007-03-13	Analyzed By:	SM
Prep Batch:	30784	Sample Preparation:	2007-03-12	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35552	Date Analyzed:	2007-03-13	Analyzed By:	SM
Prep Batch:	30784	Sample Preparation:	2007-03-12	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35640	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30905	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35640	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30905	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	36067	Date Analyzed:	2007-03-30	Analyzed By:	SM
Prep Batch:	31294	Sample Preparation:	2007-03-30	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	36067	Date Analyzed:	2007-03-30	Analyzed By:	SM
Prep Batch:	31294	Sample Preparation:	2007-03-30	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Method Blank (1) QC Batch: 34727

QC Batch:	34727	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30131	QC Preparation:	2007-02-16	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.820	mg/L	1

Method Blank (1) QC Batch: 34728

QC Batch:	34728	Date Analyzed:	2007-02-16	Analyzed By:	SM
Prep Batch:	30132	QC Preparation:	2007-02-16	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.820	mg/L	1

Method Blank (1) QC Batch: 34947

QC Batch:	34947	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30323	QC Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.820	mg/L	1

Method Blank (1) QC Batch: 35109

QC Batch:	35109	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30466	QC Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 35191

QC Batch:	35191	Date Analyzed:	2007-03-02	Analyzed By:	SM
Prep Batch:	30541	QC Preparation:	2007-03-02	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 35552

QC Batch:	35552	Date Analyzed:	2007-03-13	Analyzed By:	SM
Prep Batch:	30784	QC Preparation:	2007-03-12	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 35640

QC Batch:	35640	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30905	QC Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 35983

QC Batch:	35983	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31201	QC Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 36067

QC Batch:	36067	Date Analyzed:	2007-03-30	Analyzed By:	SM
Prep Batch:	31294	QC Preparation:	2007-03-30	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch: 34727 | Date Analyzed: 2007-02-16 | Analyzed By: SM
Prep Batch: 30131 | QC Preparation: 2007-02-16 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.42	mg/L	1	5.00	<0.820	88	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.48	mg/L	1	5.00	<0.820	90	68.5 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34728 | Date Analyzed: 2007-02-16 | Analyzed By: SM
Prep Batch: 30132 | QC Preparation: 2007-02-16 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.48	mg/L	1	5.00	<0.820	90	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.70	mg/L	1	5.00	<0.820	94	68.5 - 111	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34947 | Date Analyzed: 2007-02-23 | Analyzed By: SM
Prep Batch: 30323 | QC Preparation: 2007-02-23 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	5.04	mg/L	1	5.00	<0.820	101	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.59	mg/L	1	5.00	<0.820	92	68.5 - 111	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35109 | Date Analyzed: 2007-02-28 | Analyzed By: SM
Prep Batch: 30466 | QC Preparation: 2007-02-28 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.03	mg/L	1	5.00	<0.560	81	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.26	mg/L	1	5.00	<0.560	85	68.5 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35191 Date Analyzed: 2007-03-02 Analyzed By: SM
Prep Batch: 30541 QC Preparation: 2007-03-02 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.76	mg/L	1	5.00	<0.560	95	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.93	mg/L	1	5.00	<0.560	99	68.5 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35552 Date Analyzed: 2007-03-13 Analyzed By: SM
Prep Batch: 30784 QC Preparation: 2007-03-12 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.26	mg/L	1	5.00	<0.560	85	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	5.15	mg/L	1	5.00	<0.560	103	68.5 - 111	19	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35640 Date Analyzed: 2007-03-16 Analyzed By: SM
Prep Batch: 30905 QC Preparation: 2007-03-16 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.20	mg/L	1	5.00	<0.560	84	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.03	mg/L	1	5.00	<0.560	81	68.5 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35983 Date Analyzed: 2007-03-28 Analyzed By: SM
Prep Batch: 31201 QC Preparation: 2007-03-27 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.48	mg/L	1	5.00	<0.560	90	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.65	mg/L	1	5.00	<0.560	93	68.5 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36067 Date Analyzed: 2007-03-30 Analyzed By: SM
Prep Batch: 31294 QC Preparation: 2007-03-30 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.87	mg/L	1	5.00	<0.560	97	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.76	mg/L	1	5.00	<0.560	95	68.5 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34727 Date Analyzed: 2007-02-16 Analyzed By: SM
Prep Batch: 30131 QC Preparation: 2007-02-16 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.26	mg/L	1	5.00	<0.820	85	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.54	mg/L	1	5.00	<0.820	91	55.4 - 124	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116337

QC Batch: 34728 | Date Analyzed: 2007-02-16 | Analyzed By: SM
Prep Batch: 30132 | QC Preparation: 2007-02-16 | Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.37	mg/L	1	5.00	<0.820	87	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	3.98	mg/L	1	5.00	<0.820	80	55.4 - 124	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 34947 | Date Analyzed: 2007-02-23 | Analyzed By: SM
Prep Batch: 30323 | QC Preparation: 2007-02-23 | Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.48	mg/L	1	5.00	<0.820	90	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.42	mg/L	1	5.00	<0.820	88	55.4 - 124	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117623

QC Batch: 35109 | Date Analyzed: 2007-02-28 | Analyzed By: SM
Prep Batch: 30466 | QC Preparation: 2007-02-28 | Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.14	mg/L	1	5.00	<0.560	83	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	3.92	mg/L	1	5.00	<0.560	78	55.4 - 124	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117755

QC Batch: 35191 | Date Analyzed: 2007-03-02 | Analyzed By: SM
Prep Batch: 30541 | QC Preparation: 2007-03-02 | Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.42	mg/L	1	5.00	<0.560	88	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.59	mg/L	1	5.00	<0.560	92	55.4 - 124	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35552 Date Analyzed: 2007-03-13 Analyzed By: SM
Prep Batch: 30784 QC Preparation: 2007-03-12 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.37	mg/L	1	5.00	<0.560	87	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.31	mg/L	1	5.00	<0.560	86	55.4 - 124	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118910

QC Batch: 35640 Date Analyzed: 2007-03-16 Analyzed By: SM
Prep Batch: 30905 QC Preparation: 2007-03-16 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	3.86	mg/L	1	5.00	<0.560	77	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.09	mg/L	1	5.00	<0.560	82	55.4 - 124	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119424

QC Batch: 35983 Date Analyzed: 2007-03-28 Analyzed By: SM
Prep Batch: 31201 QC Preparation: 2007-03-27 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.70	mg/L	1	5.00	<0.560	94	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.20	mg/L	1	5.00	<0.560	84	55.4 - 124	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120040

QC Batch: 36067 Date Analyzed: 2007-03-30 Analyzed By: SM
Prep Batch: 31294 QC Preparation: 2007-03-30 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.20	mg/L	1	5.00	<0.560	84	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.59	mg/L	1	5.00	<0.560	92	55.4 - 124	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 34727 Date Analyzed: 2007-02-16 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.87	97	85 - 115	2007-02-16

Standard (CCV-1)

QC Batch: 34727 Date Analyzed: 2007-02-16 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.98	100	85 - 115	2007-02-16

Standard (ICV-1)

QC Batch: 34728 Date Analyzed: 2007-02-16 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.98	100	85 - 115	2007-02-16

Standard (CCV-1)

QC Batch: 34728 Date Analyzed: 2007-02-16 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.10	102	85 - 115	2007-02-16

Standard (ICV-1)

QC Batch: 34947 Date Analyzed: 2007-02-23 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.59	92	85 - 115	2007-02-23

Standard (CCV-1)

QC Batch: 34947 Date Analyzed: 2007-02-23 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.70	94	85 - 115	2007-02-23

Standard (ICV-1)

QC Batch: 35109 Date Analyzed: 2007-02-28 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.76	95	85 - 115	2007-02-28

Standard (CCV-1)

QC Batch: 35109 Date Analyzed: 2007-02-28 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.54	91	85 - 115	2007-02-28

Standard (ICV-1)

QC Batch: 35191 Date Analyzed: 2007-03-02 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.54	91	85 - 115	2007-03-02

Standard (CCV-1)

QC Batch: 35191 Date Analyzed: 2007-03-02 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.70	94	85 - 115	2007-03-02

Standard (ICV-1)

QC Batch: 35552 Date Analyzed: 2007-03-13 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.87	97	85 - 115	2007-03-13

Standard (CCV-1)

QC Batch: 35552 Date Analyzed: 2007-03-13 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.04	101	85 - 115	2007-03-13

Standard (ICV-1)

QC Batch: 35640 Date Analyzed: 2007-03-16 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.65	93	85 - 115	2007-03-16

Standard (CCV-1)

QC Batch: 35640 Date Analyzed: 2007-03-16 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.82	96	85 - 115	2007-03-16

Standard (ICV-1)

QC Batch: 35983 Date Analyzed: 2007-03-28 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.87	97	85 - 115	2007-03-28

Standard (CCV-1)

QC Batch: 35983 Date Analyzed: 2007-03-28 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.76	95	85 - 115	2007-03-28

Standard (ICV-1)

QC Batch: 36067 Date Analyzed: 2007-03-30 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.76	95	85 - 115	2007-03-30

Standard (CCV-1)

QC Batch: 36067 Date Analyzed: 2007-03-30 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.59	92	85 - 115	2007-03-30

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/8/07	1455	MNPL-MPL-MPL-001-0207	WATER	116108	10	X	X	X	X	X	X	X	X			
2/8/07	1455	MNPL-MPL-TB-07-692	WATER	116109	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Mike Turner
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
VIA: LAB COURIOR	GOOD CONDITION/CHILLED	4C	(TIME/DATE): 4:00pm 08Feb07	(TIME/DATE): 1715 2-8-07	(TIME/DATE): 2/10/07 10:45
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		Lone Star 39302626

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/9/07	1045	MNPL-MPL-MPL-002-0207	WATER	116110	10	X	X	X	X	X	X	X	X			
2/9/07	1045	MNPL-MPL-TB-07-693	WATER	116111	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esquega	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Mike Turner
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	4C	(TIME/DATE): 3:55 p.m. 09Feb07	(TIME/DATE): 17:05 2-9-07	(TIME/DATE): 2/10/07 10:45
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		Lone Star 39302629

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/13/07	0957	MNPL-MPL-MPL-028-0207	WATER	116333	10	X	X	X	X	X	X	X	X			
2/13/07	0957	MNPL-MPL-TB-07-718	WATER	3341	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Vicki Hensley
SHIPPING ID NO.: 39302638	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TraceAnalysis
VIA: LAB COURIOR	GOOD CONDITION/COLD	4C	(TIME/DATE): 3:50pm 13Feb07	(TIME/DATE): 1705 2-13-07	(TIME/DATE): 2-14-07 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esquede

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/12/07	1415	MNPL-MPL-MPL-004-0207	WATER	116335	10	X	X	X	X	X	X	X	X			
2/12/07	1415	MNPL-MPL-TB-07-696	WATER	116336	2 DE	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Ricova Ripley
SHIPPING ID NO.: 39302637	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Tracy Analytics
VIA: LAB COURIOR GS	GOOD CONDITION/COLD	4°C	(TIME/ DATE): 1400 pm 12 Feb 07	(TIME/ DATE): 1715 2/12/07	(TIME/ DATE): 2/14/07 8:30
	CONFORMS TO RECORD	MT	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/8/07	1007	MNPL-MPL-MPL-103-0207	WATER	116337	10	X	X	X	X	X	X	X				
2/8/07	1007	MNPL-MPL-TB-07-695	WATER	116338 1	2 DE	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Sheena Ridley
SHIPPING ID NO.: 39302263	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TRC Solutions
VIA: LAB COURIER LS	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:00 pm 12 Feb 07	(TIME/DATE): 1715 2-12-07	(TIME/DATE): 2/14/07 8:30
	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/9/07	1007	MNPL-MPL-MPL-003-0207	WATER	116339	10	X	X	X	X	X	X	X	X			
2/9/07	1007	MNPL-MPL-TB-07-694	WATER	1163401	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Aileen Quigley
SHIPPING ID NO.: 30302637	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TraCon Aviation
VIA: LAB COURIOR	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1106 on 12 Feb 07	(TIME/DATE): 1715 2-12-07	(TIME/DATE): 2/14/07 8:32
	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/15/07	1355	MNPL-MPL-MPL-017-0207	WATER	116575	10	X	X	X	X	X	X	X	X			
2/15/07	1355	MNPL-MPL-TB-07-705	WATER	116576	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Deana Ripley
SHIPPING ID NO.: 7930241	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TRAN ANALYSIS
VIA: LAB COURIOR	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1430 hr 15Feb07	(TIME/DATE): 16:20 2-15-07	(TIME/DATE): 2/16/07 8:35
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/14/07	1153	MNPL-MPL-MPL-006-0207	WATER	116577	10	X	X	X	X	X	X	X	X			
2/14/07	1153	MNPL-MPL-TB-07-699	WATER	116578	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little 30264?	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL CANTU	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME) Teresa Ripley
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRC Albuquerque
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1200 pm 14 Feb 07	(TIME/DATE) 1705 2-14-07	(TIME/DATE) 2/15/07 8:30
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/14/07	1001	MNPL-MPL-MPL-018-0207	WATER	116579	10	X	X	X	X	X	X	X	X			
2/14/07	1001	MNPL-MPL-TB-07-706	WATER	116580	2 DC	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Teresa Ripley
SHIPPING ID NO.: 8130216411	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: LAB COURIER	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1400 hrs 14 Feb 07	(TIME/DATE): 1715 2-14-07	(TIME/DATE): 2/16/07 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/20/07	1059	MNPL-MPL-MPL-007-0207	WATER	117175	10	X	X	X	X	X	X	X	X			
2/20/07	1059	MNPL-MPL-TB-07-700	WATER	117176	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Teresa Ripley
SHIPPING ID NO.: 3003026648	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TRACE ANALYSIS
VIA: LAB COURIOR LS	GOOD CONDITION/CHILLED	4°C MA	(TIME/DATE): 1404 1:00pm 20Feb07	(TIME/DATE): 1715 2-20-07	(TIME/DATE): 2-22-07 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/20/07	1505	MNPL-MPL-MPL-030-0207	WATER	117177	10	X	X	X	X	X	X	X	X			
2/20/07	1505	MNPL-MPL-TB-07-720	WATER	117178	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Teresa Ripley
SHIPPING ID NO.: - 5702648	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Tetra Tech
VIA: LAB COURIER	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1604:00pm 20 Feb 07	(TIME/DATE): 1715 2-20-07	(TIME/DATE): 2-22-07 8:35
	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esquedo

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/21/07	1046	MNPL-MPL-MPL-016-0207	WATER	117284	10	X	X	X	X	X	X	X	X			
2/21/07	1046	MNPL-MPL-TB-07-703	WATER	117285	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esquedo	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Drema Quigley
SHIPPING ID NO.: 2930 2449	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: LAB COURIER	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1605 pm / 21Feb07	(TIME/DATE): 1520 2-21-07	(TIME/DATE): 2-23-07 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
						ANALYSIS REQUESTED										
2/21/07	1046	MNPL-MPL-MPL-016-0207-ms/msd	WATER	117284	10	X	X	X	X	X	X	X	X			
2/21/07	1046	MNPL-MPL-TB-07-704	WATER	117285	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Queena Quigley
SHIPPING ID NO.: 2212202099	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TRC Solutions
VIA: LAB COURIOR	GOOD CONDITION/COLD: 4°C	(TIME/DATE): 4:05pm 2/Feb07	(TIME/DATE): 1720 2-21-07	(TIME/DATE): 2-23-07 8:30
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/21/07	1520	MNPL-MPL-MPL-029-0207	WATER	117286	10	X	X	X	X	X	X	X	X			
2/21/07	1520	MNPL-MPL-TB-07-719	WATER	117287	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Sheena Ripley
SHIPPING ID NO.: 25302649	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Tracer Analysis
VIA: LAB COURIOR	GOOD CONDITION/COLD: 4C	(TIME/DATE): 4:05pm 21Feb07	(TIME/DATE): 1720 2-21-07	(TIME/DATE): 2-23-07 8:30
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/22/07	1118	MNPL-MPL-MPL-013-0207	WATER	117465	10	X	X	X	X	X	X	X	X			
2/22/07	1118	MNPL-MPL-TB-07-702	WATER	117466	1	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME)
	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trad Analytical
SHIPPING ID NO. 29302660	CHAIN OF CUSTODY SEALS		(TIME/DATE) 1425 22Feb07	(TIME/DATE) 1740 2-22-07	(TIME/DATE) 2/26/07 8:13
VIA: LAB COURIOR (S)	GOOD CONDITION/CHILLED	4°C	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		
	CONFORMS TO RECORD	Y			

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/22/07	1545	MNPL-MPL-MPL-010-0207	WATER	117467	10	X	X	X	X	X	X	X				
2/22/07	1545	MNPL-MPL-TB-07-701	WATER	117468	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Teresa Ripley
SHIPPING ID NO.: 5150 2450	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): WTS Analytical
VIA: LAB COURIER CS	GOOD CONDITION/COLD: 4°C	(TIME/DATE): 1200 pm 23 Feb 07	(TIME/DATE): 13:12 2-23-07	(TIME/DATE): 2-24-07 8:30
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/26/07	1115	MNPL-MPL-T-040-0207	WATER	117623	10	X	X	X	X	X	X	X	X			
2/26/07	1115	MNPL-MPL-TB-07-721	WATER	117624	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Delia Pinkley
SHIPPING ID NO.: 3930260	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): WCS
VIA: LAB COURIER	GOOD CONDITION/ CHILLED	VPC	(TIME/ DATE): 5:55 pm 26 Feb 07	(TIME/ DATE): 2-27-07 5:00	(TIME/ DATE): 2-28-07 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/~~28~~ 27/07 GE	1440	MNPL-MPL-MPL-005-0207	WATER	117755	10	•X	X	X	X	X	X	X	X			
2/~~28~~ 27/07	1440	MNPL-MPL-TB-07-698	WATER	117756	1	•X										

PROJECT INFORMATION	SAMPLES RECEIVED	
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	
SHIPPING ID NO.: [illegible]	CHAIN OF CUSTODY SEALS	
	GOOD CONDITION/CHILLED	4°C
VIA: LAB COURIOR LS	CONFORMS TO RECORD	[illegible]

1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
George Esqueda	Jeffrey Lane	[illegible] Ripley
(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME) [illegible] Ripley
RECEIVED BY: (SIGNATURE) Jeffrey Lane	RECEIVED BY: (SIGNATURE) [illegible]	(COMPANY) [illegible]
(TIME/DATE) 3:50pm 27Feb07	(TIME/DATE) 1715 2-27-07	(TIME/DATE) 3-01-07 8:30

SPECIAL INSTRUCTIONS/COMMENTS:
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117757-58

703014

717

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
2/27/07	0943	MNPL-MPL-MPL-026-0207	WATER	117757	10	*X	X	X	X	X	X	X				
2/27/07	0943	MNPL-MPL-TB-07-717	WATER	117758	1	*X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Laue	(PRINTED NAME): Arlene Ripley
SHIPPING ID NO.: 24302451	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TRACE Analysis
VIA: LAB COURIER	GOOD CONDITION/COLD: 4°C	(TIME/DATE): 1350pm 27 Feb 07	(TIME/DATE): 2-27-07 2-27-07	(TIME/DATE): 3-01-07 8:30
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-7-07	1040	MNPL-MPL-MPL-021-0207	WATER	118395	10	X	X	X	X	X	X	X	X			
3-7-07	1040	MNPL-MPL-TB-07-710	WATER	118689 396	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME) Eileen Ripley
SHIPPING ID NO. 5430	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
VIA: LAB COURIER	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 4:00pm 07Mar07	(TIME/DATE) 17:15 3-7-07	(TIME/DATE) 3/8/01 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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711

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 15

PROJECT NAME: STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-7-07	1040	MNPL-MPL-MPL-021-0207-ms/msd	WATER	118395	10	X	X	X	X	X	X	X	X			
~~3-7-07~~		~~MNPL-MPL-TB-07-711~~	~~WATER~~	~~118689~~	~~1~~	~~X~~										

PROJECT INFORMATION	SAMPLES RECEIVED	
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	
SHIPPING ID NO.: 391302 cell	CHAIN OF CUSTODY SEALS	
	GOOD CONDITION/CHILLED	4°C
VIA: LAB COURIOR	CONFORMS TO RECORD	

1. RELINQUISHED BY: (SIGNATURE) George Esqueda
(PRINTED NAME) GEORGE ESQUEDA
RECEIVED BY: (SIGNATURE) Jeffrey Lane
(TIME/DATE) 4:00pm 07 Mar 07

2. RELINQUISHED BY: (SIGNATURE) Jeffrey Lane
(PRINTED NAME) Jeffrey Lane
RECEIVED BY: (SIGNATURE) [illegible]
(TIME/DATE) 1725 3-7-07

3. RECEIVED BY LAB: (SIGNATURE) [illegible]
(PRINTED NAME) [illegible]
(COMPANY) [illegible]
(TIME/DATE) 3-9-07 8:30

SPECIAL INSTRUCTIONS/COMMENTS:
PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS (NO TRIP BLANKS) Lab did NOT send

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: Georgy Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-9-07	1045	MNPL-MPL-MPL-022-~~0207~~ 0307	WATER	118683	10	X	X	X	X	X	X	X	X			
3-9-07	1045	MNPL-MPL-TB-07-712	WATER	118684	1	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME) James Taylo
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: LAB COURIOR	CHAIN OF CUSTODY SEALS		(TIME/ DATE) 3:00pm 09Mar07	(TIME/ DATE) 1610 3-9-07	(TIME/ DATE) 03/10/07
	GOOD CONDITION/COLD	4°C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS 4° Lone Star 393026 64		
	CONFORMS TO RECORD	NA			

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-13-07	1335	MNPL-MPL-MPL-020-~~0207~~ 0307 SE	WATER	118908	10	X	X	X	X	X	X	X	X			
3-13-07	1335	MNPL-MPL-TB-07-708	WATER	118909	1	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Leena Ripley
SHIPPING ID NO.: 393026667	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Leena Ripley
VIA: LAB COURIER	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
	GOOD CONDITION/COLD	4°C	(TIME/ DATE): 1420 3/13/07	(TIME/ DATE): 1730 3-13-07	(TIME/ DATE): 3-15-07 8:30
	CONFORMS TO RECORD	MK	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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709

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
		0307														
3-13-07	1335	MNPL-MPL-MPL-120 ~~0207~~ 0307	WATER	118910	10	X	X	X	X	X	X	X				
3-13-07	1335	MNPL-MPL-TB-07-709	WATER	118911	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Teena Ripley
SHIPPING ID NO.: 3930 2667	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Tracy Analytical
	GOOD CONDITION/COLD	4°C	(TIME/DATE): 1420 3/13/07	(TIME/DATE): 1730 3-13-07	(TIME/DATE): 3-15-07 8:30
VIA: LAB COURIOR LS	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
		0307														
3-19-07	1350	MNPL-MPL-MPL-019-~~0207~~ BE	WATER	119228	10	X	X	X	X	X	X	X				
3-19-07	1350	MNPL-MPL-TB-07-707	WATER	229	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Rhonda Ripley
SHIPPING ID NO.: 3C1382081	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
VIA: LAB COURIOR LS	GOOD CONDITION/CHILLED	4°C/ice	(TIME/DATE): 4:00 pm 19Mar07	(TIME/DATE): 5:15 3/19/07	(TIME/DATE): 3/21/07 8:30
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-20-07	1430	MNPL-MPL-MPL-123~~0207~~ 0307 GE	WATER	119421	10	X	X	X	X	X	X	X	X			
3-20-07	1430	MNPL-MPL-TB-07-714	WATER	422	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Sheena Shipley
SHIPPING ID NO.: 893026079	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: LAB COURIOR (S)	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1413 20Mar07	(TIME/DATE): 1730 3-20-07	(TIME/DATE): 3-22-07 8:45
	CONFORMS TO RECORD	RB	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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713

CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
		0307														
3-20-07	1430	MNPL-MPL-MPL-023-~~0207~~ GE	WATER	119424	10	X	X	X	X	X	X	X				
3-20-07	1430	MNPL-MPL-TB-07-713	WATER	425	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME) Sheena Ripley
SHIPPING ID NO.: 893026779	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TraCO Analysis
VIA: LAB COURIOR CS	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 4:15 pm 20 Mar 07	(TIME/DATE) 1730 3-20-07	(TIME/DATE) 3-22-07 8:45
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-21-07	1400	MNPL-MPL-MPL-024-0207	WATER	119540	10	X	X	X	X	X	X	X	X			
3-21-07	1400	MNPL-MPL-TB-07-715	WATER	541	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Teresa Ripley
SHIPPING ID NO.: 3430205	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: LAB COURIOR	GOOD CONDITION/CHILLED: 4°C @ 3:50pm	(TIME) (DATE): 21 Mar 07	(TIME) (DATE): 9:00 3-21-07	(TIME) (DATE): 3-23-07 8:45
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esquede

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-22-07	1400	MNPL-MPL-MPL-025-~~0207~~ 0307 GE	WATER	119830	10	X	X	X	X	X	X	X	X			
3-22-07	1400	MNPL-MPL-TB-07-716	WATER		1	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esquede	(PRINTED NAME) Jeffrey Lane	(PRINTED NAME) N. Green
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TraceAnalysis
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 1:57 pm 22 Mar 07	(TIME/DATE) 17:10 3-22-07	(TIME/DATE) 3-23-07 9:40 am
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS Lone Star 39302676		4C

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-23-07	1315	SGTP-6678-SMW-004-~~0307~~ 0307 JE	WATER	119832	10	X	X	X	X	X	X	X	X			
		~~MNPL-6678-TB-07-723 JE~~	~~WATER~~			~~X~~										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): N. Green
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TraceAnalysis
VIA: LAB COURIOR	GOOD CONDITION/CHILLED 4C	(TIME/DATE): 2:30 pm 23 Mar 07	(TIME/DATE): 15:50 3-23-07	(TIME/DATE): 3-24-07 9:40 am
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		4°C Lone Star 393026 76

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
						ANALYSIS REQUESTED										
3-26-07	1120	SGTP-6678-SMW-001-~~0207~~ 0307 DE	WATER	120040	10	X	X	X	X	X	X	X	X			
		~~MNPL-6678-TB-07-722~~	~~WATER~~			X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Arlena Ripley
SHIPPING ID NO.: 350560	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: LAB COURIOR	GOOD CONDITION/ CHILLED: 4°C	(TIME/ DATE): 4:00 pm 26Mar07	(TIME/ DATE): 1710 03-26-07	(TIME/ DATE): 3-26-07 8:45
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
3-26-07	1430	MNPL-MPL-RB-001-~~0207~~ 0307 DE	WATER	120041	10	X	X	X	X	X	X	X	X			
3-26-07	1430	MNPL-MPL-TB-07-729	WATER	042	1	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME): Jeffrey Lane	(PRINTED NAME): Rebecca Ripley
SHIPPING ID NO.: 39075182	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: LAB COURIER LS	GOOD CONDITION/CHILLED: 4° C	(TIME) (DATE): 4:00 pm 26 Mar 07	(TIME) (DATE): 1710 3-26-07	(TIME) (DATE): 3-26-07 8:45
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**416**		μMHOS/cm	1	0.00

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**570**		μMHOS/cm	1	0.00

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34764	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30164	Sample Preparation:	2007-02-16	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**809**		μMHOS/cm	1	0.00

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**818**		μMHOS/cm	1	0.00

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**712**	µMHOS/cm	1	0.00

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**710**	µMHOS/cm	1	0.00

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34764	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30164	Sample Preparation:	2007-02-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**445**	µMHOS/cm	1	0.00

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34764	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30164	Sample Preparation:	2007-02-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**327**	µMHOS/cm	1	0.00

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34764	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30164	Sample Preparation:	2007-02-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**314**	µMHOS/cm	1	0.00

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34979	Date Analyzed:	2007-02-21	Analyzed By:	DR
Prep Batch:	30357	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**902**		μMHOS/cm	1	0.00

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	34979	Date Analyzed:	2007-02-21	Analyzed By:	DR
Prep Batch:	30357	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**687**		μMHOS/cm	1	0.00

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35134	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30491	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**491**		μMHOS/cm	1	0.00

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35134	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30491	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**758**		μMHOS/cm	1	0.00

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35134	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30491	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**399**		μMHOS/cm	1	0.00

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35174	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30526	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**531**		μMHOS/cm	1	0.00

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35174	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30526	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**382**		μMHOS/cm	1	0.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35174	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30526	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**566**		μMHOS/cm	1	0.00

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35174	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30526	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**1520**		μMHOS/cm	1	0.00

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35480	Date Analyzed:	2007-03-08	Analyzed By:	DR
Prep Batch:	30794	Sample Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**316**		μMHOS/cm	1	0.00

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35596	Date Analyzed:	2007-03-14	Analyzed By:	DR
Prep Batch:	30878	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**220**		μMHOS/cm	1	0.00

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35596	Date Analyzed:	2007-03-14	Analyzed By:	DR
Prep Batch:	30878	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**676**		μMHOS/cm	1	0.00

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35596	Date Analyzed:	2007-03-14	Analyzed By:	DR
Prep Batch:	30878	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**677**		μMHOS/cm	1	0.00

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35909	Date Analyzed:	2007-03-02	Analyzed By:	DR
Prep Batch:	31172	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**332**		μMHOS/cm	1	0.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35910	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31173	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**316**		μMHOS/cm	1	0.00

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35910	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31173	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**316**		μMHOS/cm	1	0.00

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35910	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31173	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**468**		μMHOS/cm	1	0.00

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	35910	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31173	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**463**		μMHOS/cm	1	0.00

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	36050	Date Analyzed:	2007-03-29	Analyzed By:	DR
Prep Batch:	31278	Sample Preparation:	2007-03-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**358**		μMHOS/cm	1	0.00

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	36050	Date Analyzed:	2007-03-29	Analyzed By:	DR
Prep Batch:	31278	Sample Preparation:	2007-03-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**336**		μMHOS/cm	1	0.00

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	36050	Date Analyzed:	2007-03-29	Analyzed By:	DR
Prep Batch:	31278	Sample Preparation:	2007-03-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**1.60**		μMHOS/cm	1	0.00

Method Blank (1) QC Batch: 34762

QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	QC Preparation:	2007-02-13	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		< 1.00	μMHOS/cm	

Method Blank (1) QC Batch: 34764

QC Batch:	34764	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30164	QC Preparation:	2007-02-16	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		< 1.00	μMHOS/cm	

Method Blank (1) QC Batch: 34979

QC Batch:	34979	Date Analyzed:	2007-02-21	Analyzed By:	DR
Prep Batch:	30357	QC Preparation:	2007-02-21	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 35134

QC Batch:	35134	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30491	QC Preparation:	2007-02-23	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 35174

QC Batch:	35174	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30526	QC Preparation:	2007-02-28	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 35480

QC Batch:	35480	Date Analyzed:	2007-03-08	Analyzed By:	DR
Prep Batch:	30794	QC Preparation:	2007-03-08	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 35596

QC Batch:	35596	Date Analyzed:	2007-03-14	Analyzed By:	DR
Prep Batch:	30878	QC Preparation:	2007-03-14	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 35909

QC Batch:	35909	Date Analyzed:	2007-03-02	Analyzed By:	DR
Prep Batch:	31172	QC Preparation:	2007-03-20	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 35910

QC Batch:	35910	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31173	QC Preparation:	2007-03-23	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Method Blank (1) QC Batch: 36050

QC Batch:	36050	Date Analyzed:	2007-03-29	Analyzed By:	DR
Prep Batch:	31278	QC Preparation:	2007-03-29	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	μMHOS/cm	

Duplicates (1)

QC Batch:	34762	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30162	QC Preparation:	2007-02-13	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	816	818	μMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch:	34764	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30164	QC Preparation:	2007-02-16	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	447	445	μMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch:	34979	Date Analyzed:	2007-02-21	Analyzed By:	DR
Prep Batch:	30357	QC Preparation:	2007-02-21	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	687	687	μMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch:	35134	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30491	QC Preparation:	2007-02-23	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	396	399	μMHOS/cm	1	1	6.7

Duplicates (1)

QC Batch: 35174 Date Analyzed: 2007-02-28 Analyzed By: DR
Prep Batch: 30526 QC Preparation: 2007-02-28 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	1500	1520	µMHOS/cm	1	1	6.7

Duplicates (1)

QC Batch: 35480 Date Analyzed: 2007-03-08 Analyzed By: DR
Prep Batch: 30794 QC Preparation: 2007-03-08 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	10100	10100	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 35596 Date Analyzed: 2007-03-14 Analyzed By: DR
Prep Batch: 30878 QC Preparation: 2007-03-14 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	677	677	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 35909 Date Analyzed: 2007-03-02 Analyzed By: DR
Prep Batch: 31172 QC Preparation: 2007-03-20 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	338	332	µMHOS/cm	1	2	6.7

Duplicates (1)

QC Batch: 35910 Date Analyzed: 2007-03-23 Analyzed By: DR
Prep Batch: 31173 QC Preparation: 2007-03-23 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	463	463	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 36050 Date Analyzed: 2007-03-29 Analyzed By: DR
Prep Batch: 31278 QC Preparation: 2007-03-29 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	336	336	μMHOS/cm	1	0	6.7

Standard (ICV-1)

QC Batch: 34762 Date Analyzed: 2007-02-13 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1410	1410	100	96.7 - 108	2007-02-13

Standard (CCV-1)

QC Batch: 34762 Date Analyzed: 2007-02-13 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1410	1420	100	96.7 - 108	2007-02-13

Standard (ICV-1)

QC Batch: 34764 Date Analyzed: 2007-02-16 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1410	1420	101	96.7 - 108	2007-02-16

Standard (CCV-1)

QC Batch: 34764 Date Analyzed: 2007-02-16 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		μMHOS/cm	1410	1410	100	96.7 - 108	2007-02-16

Standard (ICV-1)

QC Batch: 34979 Date Analyzed: 2007-02-21 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-02-21

Standard (CCV-1)

QC Batch: 34979 Date Analyzed: 2007-02-21 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-02-21

Standard (ICV-1)

QC Batch: 35134 Date Analyzed: 2007-02-23 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-02-23

Standard (CCV-1)

QC Batch: 35134 Date Analyzed: 2007-02-23 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-02-23

Standard (ICV-1)

QC Batch: 35174 Date Analyzed: 2007-02-28 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-02-28

Standard (CCV-1)

QC Batch: 35174 Date Analyzed: 2007-02-28 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-02-28

Standard (ICV-1)

QC Batch: 35480 Date Analyzed: 2007-03-08 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-03-08

Standard (CCV-1)

QC Batch: 35480 Date Analyzed: 2007-03-08 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-03-08

Standard (ICV-1)

QC Batch: 35596 Date Analyzed: 2007-03-14 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1400	99	96.7 - 108	2007-03-14

Standard (CCV-1)

QC Batch: 35596 Date Analyzed: 2007-03-14 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-03-14

Standard (ICV-1)

QC Batch: 35909 Date Analyzed: 2007-03-02 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1400	99	96.7 - 108	2007-03-02

Standard (CCV-1)

QC Batch: 35909 Date Analyzed: 2007-03-02 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-03-02

Standard (ICV-1)

QC Batch: 35910 Date Analyzed: 2007-03-23 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-03-23

Standard (CCV-1)

QC Batch: 35910 Date Analyzed: 2007-03-23 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-03-23

Standard (ICV-1)

QC Batch: 36050 Date Analyzed: 2007-03-29 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-03-29

Standard (CCV-1)

QC Batch: 36050 Date Analyzed: 2007-03-29 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-03-29

Lab Name	Lot ID	Lab Sampl	Client Sam	Matrix	Sample Ty	Collected	Received	Prepped
DEN	D7C06018	D7C06018	117623	WATER	SA	########	########	########
DEN	D7C06018	D7C06018	117623	WATER	MSD	########	########	########
DEN	D7C06018	D7C06018	117623	WATER	MS	########	########	########
DEN	D7C06018	D7C06018	117755	WATER	SA	########	########	########
DEN	D7C06018	D7C06018	117757	WATER	SA	########	########	########
DEN	D7C06018	D7C06018	117465	WATER	SA	########	########	########
DEN	D7C06018	D7C06018	117286	WATER	SA	########	########	########
DEN	D7C06018	D7C06018	117467	WATER	SA	########	########	########
DEN	D7C06018	D7C07000	INTRA-LAI	WATER	MB	########	########	########
DEN	D7C06018	D7C07000	CHECK SA	WATER	LCS	########	########	########
DEN	D7C06018	D7C07000	DUPLICAT	WATER	LCSD	########	########	########

Analyzed	Method	Prep Batch	Prep Type	Dilution	Percent Mc	Analyte	CAS	Analyte Ty
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target
########	SM18 4500	7066461		1		Free Cyani	Q189	Target

Result	TPU	Spike Amo	Footnotes	Unit	RL/CRDL	MDL/MDA	Percent Re	RPD/RER
ND				mg/L	0.01	0.0028		
0.0977		0.1		mg/L	0.01	0.0028	98	0.2
0.0979		0.1		mg/L	0.01	0.0028	98	0.2
ND				mg/L	0.01	0.0028		
ND				mg/L	0.01	0.0028		
0.0058			B	mg/L	0.01	0.0028		
ND				mg/L	0.01	0.0028		
ND				mg/L	0.01	0.0028		
ND				mg/L	0.01	0.0028		
0.0956		0.1		mg/L	0.01	0.0028	96	0.31
0.0959		0.1		mg/L	0.01	0.0028	96	0.31

LowerLimit	UpperLimit	RPD/RER Limit
75	120	24
75	120	24
75	120	24
75	120	24

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 66 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	Sample Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0920**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	Sample Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0580**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	Sample Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0720**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.00600**	mg/L	1	0.00500

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	Sample Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0600**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	Sample Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0480**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	Sample Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0450**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.00800**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34753	Date Analyzed:	2007-02-19	Analyzed By:	RR
Prep Batch:	30138	Sample Preparation:	2007-02-16	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.0650**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		<0.00500		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.00500		mg/L	1	0.00500
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		<0.00500		mg/L	1	0.00500
Dissolved Zinc		<0.00500		mg/L	1	0.00500

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34753	Date Analyzed:	2007-02-19	Analyzed By:	RR
Prep Batch:	30138	Sample Preparation:	2007-02-16	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.124**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.00500**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.00500		mg/L	1	0.00500
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00500**		mg/L	1	0.00500
Dissolved Zinc		<0.00500		mg/L	1	0.00500

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	Sample Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.0560**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.0110**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		<0.00500		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	Sample Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.122**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.0210**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00600**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	Sample Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0660**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00600**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	Sample Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0590**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0170**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	Sample Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.0950**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.0140**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00600**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	Sample Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.120**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.0140**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		<0.00500		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35158	Date Analyzed:	2007-03-01	Analyzed By:	RR
Prep Batch:	30511	Sample Preparation:	2007-03-01	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.118**		mg/L	1	0.0100
Dissolved Beryllium		**0.00400**		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.00700**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		**0.0430**		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00800**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35158	Date Analyzed:	2007-03-01	Analyzed By:	RR
Prep Batch:	30511	Sample Preparation:	2007-03-01	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.133**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		**0.00500**		mg/L	1	0.00500
Dissolved Copper		<0.00500		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00600**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35158	Date Analyzed:	2007-03-01	Analyzed By:	RR
Prep Batch:	30511	Sample Preparation:	2007-03-01	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0590**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.00600**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35491	Date Analyzed:	2007-03-12	Analyzed By:	RR
Prep Batch:	30743	Sample Preparation:	2007-03-09	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0600**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00900**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35685	Date Analyzed:	2007-03-19	Analyzed By:	RR
Prep Batch:	30932	Sample Preparation:	2007-03-16	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0640**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.0120**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35685	Date Analyzed:	2007-03-19	Analyzed By:	RR
Prep Batch:	30932	Sample Preparation:	2007-03-16	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0760**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		**0.00800**	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00500**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35685	Date Analyzed:	2007-03-19	Analyzed By:	RR
Prep Batch:	30932	Sample Preparation:	2007-03-16	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0790**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		**0.0100**	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Ag, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	As, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Arsenic		<0.0100	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Ba, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Barium		**0.0830**	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Be, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Beryllium		<0.00250	mg/L	1	0.00250

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Cd, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Cadmium		<0.00100	mg/L	1	0.00100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Co, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Cobalt		<0.00500	mg/L	1	0.00500

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Cr, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Chromium		<0.00500	mg/L	1	0.00500

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Cu, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Copper		**0.00500**	mg/L	1	0.00500

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Ni, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Nickel		<0.00500	mg/L	1	0.00500

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Pb, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Lead		<0.0100	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Se, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Selenium		<0.0100	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Sn, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Tin		<0.0250	mg/L	1	0.0250

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Tl, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Thallium		<0.0500	mg/L	1	0.0500

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	V, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Vanadium		**0.00700**	mg/L	1	0.00500

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Zn, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0180**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		**0.00700**	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250

continued . . .

sample 119421 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00700**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	Sample Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.0190**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		<0.00500		mg/L	1	0.00500
Dissolved Copper		**0.00700**		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00800**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35973	Date Analyzed:	2007-03-28	Analyzed By:	RR
Prep Batch:	31160	Sample Preparation:	2007-03-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.111**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		<0.00500		mg/L	1	0.00500
Dissolved Copper		**0.0100**		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100

continued . . .

sample 119540 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		<0.00500		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35973	Date Analyzed:	2007-03-28	Analyzed By:	RR
Prep Batch:	31160	Sample Preparation:	2007-03-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.0700**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		<0.00500		mg/L	1	0.00500
Dissolved Copper		**0.0140**		mg/L	1	0.00500
Dissolved Nickel		<0.00500		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100
Dissolved Selenium		<0.0100		mg/L	1	0.0100
Dissolved Tin		<0.0250		mg/L	1	0.0250
Dissolved Thallium		<0.0500		mg/L	1	0.0500
Dissolved Vanadium		**0.00500**		mg/L	1	0.00500
Dissolved Zinc		<0.0100		mg/L	1	0.0100

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	35973	Date Analyzed:	2007-03-28	Analyzed By:	RR
Prep Batch:	31160	Sample Preparation:	2007-03-26	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200
Dissolved Arsenic		<0.0100		mg/L	1	0.0100
Dissolved Barium		**0.0770**		mg/L	1	0.0100
Dissolved Beryllium		<0.00250		mg/L	1	0.00250
Dissolved Cadmium		<0.00100		mg/L	1	0.00100
Dissolved Cobalt		<0.00500		mg/L	1	0.00500
Dissolved Chromium		<0.00500		mg/L	1	0.00500
Dissolved Copper		**0.00900**		mg/L	1	0.00500
Dissolved Nickel		**0.152**		mg/L	1	0.00500
Dissolved Lead		<0.0100		mg/L	1	0.0100

continued . . .

sample 119832 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	36056	Date Analyzed:	2007-03-30	Analyzed By:	RR
Prep Batch:	31275	Sample Preparation:	2007-03-29	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0700**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		**0.0140**	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00500**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	36056	Date Analyzed:	2007-03-30	Analyzed By:	RR
Prep Batch:	31275	Sample Preparation:	2007-03-29	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		<0.0100	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500

continued . . .

sample 120041 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 34665

QC Batch:	34665	Date Analyzed:	2007-02-14	Analyzed By:	RR
Prep Batch:	30060	QC Preparation:	2007-02-14	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.000199	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.000450	mg/L	0.01
Dissolved Beryllium		<0.000178	mg/L	0.0025
Dissolved Cadmium		<0.000577	mg/L	0.001
Dissolved Cobalt		<0.00293	mg/L	0.005
Dissolved Chromium		<0.00357	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.000450	mg/L	0.005
Dissolved Lead		<0.00398	mg/L	0.005
Dissolved Selenium		<0.00556	mg/L	0.01
Dissolved Tin		<0.00759	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00105	mg/L	0.005
Dissolved Zinc		<0.00300	mg/L	0.005

Method Blank (1) QC Batch: 34753

QC Batch:	34753	Date Analyzed:	2007-02-19	Analyzed By:	RR
Prep Batch:	30138	QC Preparation:	2007-02-16	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.000199	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.000450	mg/L	0.01
Dissolved Beryllium		<0.000178	mg/L	0.0025
Dissolved Cadmium		<0.000577	mg/L	0.001
Dissolved Cobalt		<0.00293	mg/L	0.005
Dissolved Chromium		<0.00357	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dissolved Nickel		<0.000450	mg/L	0.005
Dissolved Lead		<0.00398	mg/L	0.005
Dissolved Selenium		<0.00556	mg/L	0.01
Dissolved Tin		<0.00759	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00105	mg/L	0.005
Dissolved Zinc		<0.00300	mg/L	0.005

Method Blank (1) QC Batch: 35034

QC Batch:	35034	Date Analyzed:	2007-02-26	Analyzed By:	RR
Prep Batch:	30402	QC Preparation:	2007-02-26	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 35158

QC Batch:	35158	Date Analyzed:	2007-03-01	Analyzed By:	RR
Prep Batch:	30511	QC Preparation:	2007-03-01	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 35491

QC Batch:	35491	Date Analyzed:	2007-03-12	Analyzed By:	RR
Prep Batch:	30743	QC Preparation:	2007-03-09	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 35685

QC Batch:	35685	Date Analyzed:	2007-03-19	Analyzed By:	RR
Prep Batch:	30932	QC Preparation:	2007-03-16	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Cadmium		<0.00140	mg/L	0.001

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Lead		<0.00740	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Selenium		<0.0131	mg/L	0.01

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 35820

QC Batch:	35820	Date Analyzed:	2007-03-23	Analyzed By:	RR
Prep Batch:	31042	QC Preparation:	2007-03-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 35820

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 35973

QC Batch: 35973 Date Analyzed: 2007-03-28 Analyzed By: RR
Prep Batch: 31160 QC Preparation: 2007-03-26 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 36056

QC Batch: 36056 Date Analyzed: 2007-03-30 Analyzed By: RR
Prep Batch: 31275 QC Preparation: 2007-03-29 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Laboratory Control Spike (LCS-1)

QC Batch: 34665 Date Analyzed: 2007-02-14 Analyzed By: RR
Prep Batch: 30060 QC Preparation: 2007-02-14 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.000199	94	86.2 - 116
Dissolved Arsenic	0.478	mg/L	1	0.500	<0.00430	96	88.1 - 107
Dissolved Barium	0.961	mg/L	1	1.00	<0.000450	96	85 - 114

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.000178	100	78.9 - 119
Dissolved Cadmium	0.227	mg/L	1	0.250	<0.000577	91	83.3 - 113
Dissolved Cobalt	0.226	mg/L	1	0.250	<0.00293	90	83.5 - 119
Dissolved Chromium	0.0950	mg/L	1	0.100	<0.00357	95	83 - 112
Dissolved Copper	0.123	mg/L	1	0.125	<0.00140	98	84.3 - 111
Dissolved Nickel	0.224	mg/L	1	0.250	<0.000450	90	82.2 - 118
Dissolved Lead	0.497	mg/L	1	0.500	<0.00398	99	81.1 - 111
Dissolved Selenium	0.456	mg/L	1	0.500	<0.00556	91	69.6 - 111
Dissolved Tin	0.278	mg/L	1	0.300	<0.00759	93	77.6 - 120
Dissolved Thallium	0.455	mg/L	1	0.500	<0.0189	91	85 - 115
Dissolved Vanadium	0.250	mg/L	1	0.250	<0.00105	100	86 - 114
Dissolved Zinc	0.220	mg/L	1	0.250	<0.00300	88	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.114	mg/L	1	0.125	<0.000199	91	86.2 - 116	3	20
Dissolved Arsenic	0.468	mg/L	1	0.500	<0.00430	94	88.1 - 107	2	20
Dissolved Barium	0.937	mg/L	1	1.00	<0.000450	94	85 - 114	2	20
Dissolved Beryllium	0.0260	mg/L	1	0.0250	<0.000178	104	78.9 - 119	4	20
Dissolved Cadmium	0.220	mg/L	1	0.250	<0.000577	88	83.3 - 113	3	20
Dissolved Cobalt	0.224	mg/L	1	0.250	<0.00293	90	83.5 - 119	1	20
Dissolved Chromium	0.0910	mg/L	1	0.100	<0.00357	91	83 - 112	4	20
Dissolved Copper	0.120	mg/L	1	0.125	<0.00140	96	84.3 - 111	2	20
Dissolved Nickel	0.226	mg/L	1	0.250	<0.000450	90	82.2 - 118	1	20
Dissolved Lead	0.474	mg/L	1	0.500	<0.00398	95	81.1 - 111	5	20
Dissolved Selenium	0.479	mg/L	1	0.500	<0.00556	96	69.6 - 111	5	20
Dissolved Tin	0.285	mg/L	1	0.300	<0.00759	95	77.6 - 120	2	20
Dissolved Thallium	0.473	mg/L	1	0.500	<0.0189	95	85 - 115	4	20
Dissolved Vanadium	0.245	mg/L	1	0.250	<0.00105	98	86 - 114	2	20
Dissolved Zinc	0.212	mg/L	1	0.250	<0.00300	85	84.7 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34753 Date Analyzed: 2007-02-19 Analyzed By: RR
Prep Batch: 30138 QC Preparation: 2007-02-16 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.133	mg/L	1	0.125	<0.000199	106	86.2 - 116
Dissolved Arsenic	0.516	mg/L	1	0.500	<0.00430	103	88.1 - 107
Dissolved Barium	1.03	mg/L	1	1.00	<0.000450	103	85 - 114
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.000178	96	78.9 - 119
Dissolved Cadmium	0.245	mg/L	1	0.250	<0.000577	98	83.3 - 113
Dissolved Cobalt	0.247	mg/L	1	0.250	<0.00293	99	83.5 - 119
Dissolved Chromium	0.103	mg/L	1	0.100	<0.00357	103	83 - 112
Dissolved Copper	0.126	mg/L	1	0.125	<0.00140	101	84.3 - 111

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Nickel	0.250	mg/L	1	0.250	<0.000450	100	82.2 - 118
Dissolved Lead	0.505	mg/L	1	0.500	<0.00398	101	81.1 - 111
Dissolved Selenium	0.451	mg/L	1	0.500	<0.00556	90	69.6 - 111
Dissolved Tin	0.313	mg/L	1	0.300	<0.00759	104	77.6 - 120
Dissolved Thallium	0.499	mg/L	1	0.500	<0.0189	100	85 - 115
Dissolved Vanadium	0.265	mg/L	1	0.250	<0.00105	106	86 - 114
Dissolved Zinc	0.245	mg/L	1	0.250	<0.00300	98	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.127	mg/L	1	0.125	<0.000199	102	86.2 - 116	5	20
Dissolved Arsenic	0.522	mg/L	1	0.500	<0.00430	104	88.1 - 107	1	20
Dissolved Barium	0.995	mg/L	1	1.00	<0.000450	100	85 - 114	3	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.000178	96	78.9 - 119	0	20
Dissolved Cadmium	0.239	mg/L	1	0.250	<0.000577	96	83.3 - 113	2	20
Dissolved Cobalt	0.240	mg/L	1	0.250	<0.00293	96	83.5 - 119	3	20
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112	5	20
Dissolved Copper	0.125	mg/L	1	0.125	<0.00140	100	84.3 - 111	1	20
Dissolved Nickel	0.247	mg/L	1	0.250	<0.000450	99	82.2 - 118	1	20
Dissolved Lead	0.503	mg/L	1	0.500	<0.00398	101	81.1 - 111	0	20
Dissolved Selenium	0.433	mg/L	1	0.500	<0.00556	87	69.6 - 111	4	20
Dissolved Tin	0.312	mg/L	1	0.300	<0.00759	104	77.6 - 120	0	20
Dissolved Thallium	0.489	mg/L	1	0.500	<0.0189	98	85 - 115	2	20
Dissolved Vanadium	0.261	mg/L	1	0.250	<0.00105	104	86 - 114	2	20
Dissolved Zinc	0.242	mg/L	1	0.250	<0.00300	97	84.7 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35034 Date Analyzed: 2007-02-26 Analyzed By: RR
Prep Batch: 30402 QC Preparation: 2007-02-26 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.120	mg/L	1	0.125	<0.00210	96	86.2 - 116
Dissolved Arsenic	0.507	mg/L	1	0.500	<0.00430	101	88.1 - 107
Dissolved Barium	0.987	mg/L	1	1.00	<0.00170	99	85 - 114
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	78.9 - 119
Dissolved Cadmium	0.235	mg/L	1	0.250	<0.00140	94	83.3 - 113
Dissolved Cobalt	0.234	mg/L	1	0.250	<0.00220	94	83.5 - 119
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.000900	96	83 - 112
Dissolved Copper	0.124	mg/L	1	0.125	<0.00140	99	84.3 - 111
Dissolved Nickel	0.235	mg/L	1	0.250	<0.00190	94	82.2 - 118
Dissolved Lead	0.501	mg/L	1	0.500	<0.00740	100	81.1 - 111
Dissolved Selenium	0.433	mg/L	1	0.500	<0.0131	87	69.6 - 111
Dissolved Tin	0.299	mg/L	1	0.300	<0.0124	100	77.6 - 120
Dissolved Thallium	0.478	mg/L	1	0.500	<0.0189	96	85 - 115

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Vanadium	0.251	mg/L	1	0.250	<0.00150	100	86 - 114
Dissolved Zinc	0.222	mg/L	1	0.250	<0.00710	89	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.121	mg/L	1	0.125	<0.00210	97	86.2 - 116	1	20
Dissolved Arsenic	0.485	mg/L	1	0.500	<0.00430	97	88.1 - 107	4	20
Dissolved Barium	0.989	mg/L	1	1.00	<0.00170	99	85 - 114	0	20
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.9 - 119	8	20
Dissolved Cadmium	0.234	mg/L	1	0.250	<0.00140	94	83.3 - 113	0	20
Dissolved Cobalt	0.236	mg/L	1	0.250	<0.00220	94	83.5 - 119	1	20
Dissolved Chromium	0.0990	mg/L	1	0.100	<0.000900	99	83 - 112	3	20
Dissolved Copper	0.125	mg/L	1	0.125	<0.00140	100	84.3 - 111	1	20
Dissolved Nickel	0.239	mg/L	1	0.250	<0.00190	96	82.2 - 118	2	20
Dissolved Lead	0.509	mg/L	1	0.500	<0.00740	102	81.1 - 111	2	20
Dissolved Selenium	0.414	mg/L	1	0.500	<0.0131	83	69.6 - 111	4	20
Dissolved Tin	0.300	mg/L	1	0.300	<0.0124	100	77.6 - 120	0	20
Dissolved Thallium	0.482	mg/L	1	0.500	<0.0189	96	85 - 115	1	20
Dissolved Vanadium	0.254	mg/L	1	0.250	<0.00150	102	86 - 114	1	20
Dissolved Zinc	0.230	mg/L	1	0.250	<0.00710	92	84.7 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35158 Date Analyzed: 2007-03-01 Analyzed By: RR
Prep Batch: 30511 QC Preparation: 2007-03-01 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.122	mg/L	1	0.125	<0.00210	98	86.2 - 116
Dissolved Arsenic	0.461	mg/L	1	0.500	<0.00430	92	88.1 - 107
Dissolved Barium	1.00	mg/L	1	1.00	<0.00170	100	85 - 114
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	78.9 - 119
Dissolved Cadmium	0.247	mg/L	1	0.250	<0.00140	99	83.3 - 113
Dissolved Cobalt	0.240	mg/L	1	0.250	<0.00220	96	83.5 - 119
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	83 - 112
Dissolved Copper	0.123	mg/L	1	0.125	<0.00140	98	84.3 - 111
Dissolved Nickel	0.245	mg/L	1	0.250	<0.00190	98	82.2 - 118
Dissolved Lead	0.507	mg/L	1	0.500	<0.00740	101	81.1 - 111
Dissolved Selenium	0.473	mg/L	1	0.500	<0.0131	95	69.6 - 111
Dissolved Tin	0.305	mg/L	1	0.300	<0.0124	102	77.6 - 120
Dissolved Thallium	0.515	mg/L	1	0.500	<0.0189	103	85 - 115
Dissolved Vanadium	0.257	mg/L	1	0.250	<0.00150	103	86 - 114
Dissolved Zinc	0.228	mg/L	1	0.250	<0.00710	91	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	86.2 - 116	2	20
Dissolved Arsenic	0.481	mg/L	1	0.500	<0.00430	96	88.1 - 107	4	20
Dissolved Barium	1.02	mg/L	1	1.00	<0.00170	102	85 - 114	2	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.9 - 119	4	20
Dissolved Cadmium	0.248	mg/L	1	0.250	<0.00140	99	83.3 - 113	0	20
Dissolved Cobalt	0.247	mg/L	1	0.250	<0.00220	99	83.5 - 119	3	20
Dissolved Chromium	0.105	mg/L	1	0.100	<0.000900	105	83 - 112	1	20
Dissolved Copper	0.124	mg/L	1	0.125	<0.00140	99	84.3 - 111	1	20
Dissolved Nickel	0.251	mg/L	1	0.250	<0.00190	100	82.2 - 118	2	20
Dissolved Lead	0.499	mg/L	1	0.500	<0.00740	100	81.1 - 111	2	20
Dissolved Selenium	0.472	mg/L	1	0.500	<0.0131	94	69.6 - 111	0	20
Dissolved Tin	0.306	mg/L	1	0.300	<0.0124	102	77.6 - 120	0	20
Dissolved Thallium	0.516	mg/L	1	0.500	<0.0189	103	85 - 115	0	20
Dissolved Vanadium	0.262	mg/L	1	0.250	<0.00150	105	86 - 114	2	20
Dissolved Zinc	0.235	mg/L	1	0.250	<0.00710	94	84.7 - 113	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35491 Date Analyzed: 2007-03-12 Analyzed By: RR
Prep Batch: 30743 QC Preparation: 2007-03-09 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	86.2 - 116
Dissolved Arsenic	0.482	mg/L	1	0.500	<0.00430	96	88.1 - 107
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	85 - 114
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.9 - 119
Dissolved Cadmium	0.247	mg/L	1	0.250	<0.00140	99	83.3 - 113
Dissolved Cobalt	0.253	mg/L	1	0.250	<0.00220	101	83.5 - 119
Dissolved Chromium	0.108	mg/L	1	0.100	<0.000900	108	83 - 112
Dissolved Copper	0.130	mg/L	1	0.125	<0.00140	104	84.3 - 111
Dissolved Nickel	0.254	mg/L	1	0.250	<0.00190	102	82.2 - 118
Dissolved Lead	0.505	mg/L	1	0.500	<0.00740	101	81.1 - 111
Dissolved Selenium	0.425	mg/L	1	0.500	<0.0131	85	69.6 - 111
Dissolved Tin	0.306	mg/L	1	0.300	<0.0124	102	77.6 - 120
Dissolved Thallium	0.506	mg/L	1	0.500	<0.0189	101	85 - 115
Dissolved Vanadium	0.264	mg/L	1	0.250	<0.00150	106	86 - 114
Dissolved Zinc	0.243	mg/L	1	0.250	<0.00710	97	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.124	mg/L	1	0.125	<0.00210	99	86.2 - 116	1	20
Dissolved Arsenic	0.468	mg/L	1	0.500	<0.00430	94	88.1 - 107	3	20
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	85 - 114	0	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.9 - 119	0	20
Dissolved Cadmium	0.246	mg/L	1	0.250	<0.00140	98	83.3 - 113	0	20
Dissolved Cobalt	0.256	mg/L	1	0.250	<0.00220	102	83.5 - 119	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.108	mg/L	1	0.100	<0.000900	108	83 - 112	0	20
Dissolved Copper	0.130	mg/L	1	0.125	<0.00140	104	84.3 - 111	0	20
Dissolved Nickel	0.256	mg/L	1	0.250	<0.00190	102	82.2 - 118	1	20
Dissolved Lead	0.498	mg/L	1	0.500	<0.00740	100	81.1 - 111	1	20
Dissolved Selenium	0.466	mg/L	1	0.500	<0.0131	93	69.6 - 111	9	20
Dissolved Tin	0.311	mg/L	1	0.300	<0.0124	104	77.6 - 120	2	20
Dissolved Thallium	0.501	mg/L	1	0.500	<0.0189	100	85 - 115	1	20
Dissolved Vanadium	0.264	mg/L	1	0.250	<0.00150	106	86 - 114	0	20
Dissolved Zinc	0.242	mg/L	1	0.250	<0.00710	97	84.7 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35685 Date Analyzed: 2007-03-19 Analyzed By: RR
Prep Batch: 30932 QC Preparation: 2007-03-16 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.140	mg/L	1	0.125	<0.00210	112	86.2 - 116
Dissolved Arsenic	0.495	mg/L	1	0.500	<0.00430	99	88.1 - 107
Dissolved Barium	0.954	mg/L	1	1.00	<0.00170	95	85 - 114
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	78.9 - 119
Dissolved Cadmium	0.235	mg/L	1	0.250	<0.00140	94	83.3 - 113
Dissolved Cobalt	0.241	mg/L	1	0.250	<0.00220	96	83.5 - 119
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.000900	96	83 - 112
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	84.3 - 111
Dissolved Nickel	0.238	mg/L	1	0.250	<0.00190	95	82.2 - 118
Dissolved Lead	0.498	mg/L	1	0.500	<0.00740	100	81.1 - 111
Dissolved Selenium	0.467	mg/L	1	0.500	<0.0131	93	69.6 - 111
Dissolved Tin	0.301	mg/L	1	0.300	<0.0124	100	77.6 - 120
Dissolved Thallium	0.504	mg/L	1	0.500	<0.0189	101	85 - 115
Dissolved Vanadium	0.252	mg/L	1	0.250	<0.00150	101	86 - 114
Dissolved Zinc	0.232	mg/L	1	0.250	<0.00710	93	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.135	mg/L	1	0.125	<0.00210	108	86.2 - 116	4	20
Dissolved Arsenic	0.516	mg/L	1	0.500	<0.00430	103	88.1 - 107	4	20
Dissolved Barium	0.959	mg/L	1	1.00	<0.00170	96	85 - 114	0	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.9 - 119	4	20
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.00140	94	83.3 - 113	0	20
Dissolved Cobalt	0.239	mg/L	1	0.250	<0.00220	96	83.5 - 119	1	20
Dissolved Chromium	0.0970	mg/L	1	0.100	<0.000900	97	83 - 112	1	20
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	84.3 - 111	0	20
Dissolved Nickel	0.239	mg/L	1	0.250	<0.00190	96	82.2 - 118	0	20
Dissolved Lead	0.497	mg/L	1	0.500	<0.00740	99	81.1 - 111	0	20
Dissolved Selenium	0.448	mg/L	1	0.500	<0.0131	90	69.6 - 111	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Tin	0.309	mg/L	1	0.300	<0.0124	103	77.6 - 120	3	20
Dissolved Thallium	0.480	mg/L	1	0.500	<0.0189	96	85 - 115	5	20
Dissolved Vanadium	0.252	mg/L	1	0.250	<0.00150	101	86 - 114	0	20
Dissolved Zinc	0.236	mg/L	1	0.250	<0.00710	94	84.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.133	mg/L	1	0.125	<0.00210	106	86.2 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.128	mg/L	1	0.125	<0.00210	102	86.2 - 116	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Arsenic	0.506	mg/L	1	0.500	<0.00430	101	88.1 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Arsenic	0.448	mg/L	1	0.500	<0.00430	90	88.1 - 107	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Barium	1.04	mg/L	1	1.00	<0.00170	104	85 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	85 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.9 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.9 - 119	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.260	mg/L	1	0.250	<0.00140	104	83.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.255	mg/L	1	0.250	<0.00140	102	83.3 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cobalt	0.250	mg/L	1	0.250	<0.00220	100	83.5 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cobalt	0.255	mg/L	1	0.250	<0.00220	102	83.5 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.107	mg/L	1	0.100	<0.000900	107	83 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	83 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Copper	0.132	mg/L	1	0.125	<0.00140	106	84.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.131	mg/L	1	0.125	<0.00140	105	84.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Nickel	0.259	mg/L	1	0.250	<0.00190	104	82.2 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Nickel	0.255	mg/L	1	0.250	<0.00190	102	82.2 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.526	mg/L	1	0.500	<0.00740	105	81.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Lead	0.510	mg/L	1	0.500	<0.00740	102	81.1 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Selenium	0.488	mg/L	1	0.500	<0.0131	98	69.6 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Selenium	0.478	mg/L	1	0.500	<0.0131	96	69.6 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Tin	0.307	mg/L	1	0.300	<0.0124	102	77.6 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Tin	0.306	mg/L	1	0.300	<0.0124	102	77.6 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Thallium	0.520	mg/L	1	0.500	<0.0189	104	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Thallium	0.525	mg/L	1	0.500	<0.0189	105	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Vanadium	0.260	mg/L	1	0.250	<0.00150	104	86 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Vanadium	0.266	mg/L	1	0.250	<0.00150	106	86 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	0.257	mg/L	1	0.250	<0.00710	103	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc	0.253	mg/L	1	0.250	<0.00710	101	84.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.133	mg/L	1	0.125	<0.00210	106	86.2 - 116
Dissolved Arsenic	0.506	mg/L	1	0.500	<0.00430	101	88.1 - 107
Dissolved Barium	1.04	mg/L	1	1.00	<0.00170	104	85 - 114
Dissolved Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.9 - 119
Dissolved Cadmium	0.260	mg/L	1	0.250	<0.00140	104	83.3 - 113
Dissolved Cobalt	0.250	mg/L	1	0.250	<0.00220	100	83.5 - 119

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.107	mg/L	1	0.100	<0.000900	107	83 - 112
Dissolved Copper	0.132	mg/L	1	0.125	<0.00140	106	84.3 - 111
Dissolved Nickel	0.259	mg/L	1	0.250	<0.00190	104	82.2 - 118
Dissolved Lead	0.526	mg/L	1	0.500	<0.00740	105	81.1 - 111
Dissolved Selenium	0.488	mg/L	1	0.500	<0.0131	98	69.6 - 111
Dissolved Tin	0.307	mg/L	1	0.300	<0.0124	102	77.6 - 120
Dissolved Thallium	0.520	mg/L	1	0.500	<0.0189	104	85 - 115
Dissolved Vanadium	0.260	mg/L	1	0.250	<0.00150	104	86 - 114
Dissolved Zinc	0.257	mg/L	1	0.250	<0.00710	103	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.128	mg/L	1	0.125	<0.00210	102	86.2 - 116	4	20
Dissolved Arsenic	0.448	mg/L	1	0.500	<0.00430	90	88.1 - 107	12	20
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	85 - 114	1	20
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.9 - 119	4	20
Dissolved Cadmium	0.255	mg/L	1	0.250	<0.00140	102	83.3 - 113	2	20
Dissolved Cobalt	0.255	mg/L	1	0.250	<0.00220	102	83.5 - 119	2	20
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	83 - 112	1	20
Dissolved Copper	0.131	mg/L	1	0.125	<0.00140	105	84.3 - 111	1	20
Dissolved Nickel	0.255	mg/L	1	0.250	<0.00190	102	82.2 - 118	2	20
Dissolved Lead	0.510	mg/L	1	0.500	<0.00740	102	81.1 - 111	3	20
Dissolved Selenium	0.478	mg/L	1	0.500	<0.0131	96	69.6 - 111	2	20
Dissolved Tin	0.306	mg/L	1	0.300	<0.0124	102	77.6 - 120	0	20
Dissolved Thallium	0.525	mg/L	1	0.500	<0.0189	105	85 - 115	1	20
Dissolved Vanadium	0.266	mg/L	1	0.250	<0.00150	106	86 - 114	2	20
Dissolved Zinc	0.253	mg/L	1	0.250	<0.00710	101	84.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35973 Date Analyzed: 2007-03-28 Analyzed By: RR
Prep Batch: 31160 QC Preparation: 2007-03-26 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.129	mg/L	1	0.125	<0.00210	103	86.2 - 116
Dissolved Arsenic	0.508	mg/L	1	0.500	<0.00430	102	88.1 - 107
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	85 - 114
Dissolved Beryllium	0.0242	mg/L	1	0.0250	<0.00220	97	78.9 - 119
Dissolved Cadmium	0.253	mg/L	1	0.250	<0.00140	101	83.3 - 113
Dissolved Cobalt	0.254	mg/L	1	0.250	<0.00220	102	83.5 - 119
Dissolved Chromium	0.105	mg/L	1	0.100	<0.000900	105	83 - 112
Dissolved Copper	0.129	mg/L	1	0.125	<0.00140	103	84.3 - 111
Dissolved Nickel	0.252	mg/L	1	0.250	<0.00190	101	82.2 - 118
Dissolved Lead	0.522	mg/L	1	0.500	<0.00740	104	81.1 - 111
Dissolved Selenium	0.401	mg/L	1	0.500	<0.0131	80	69.6 - 111

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Tin	0.298	mg/L	1	0.300	<0.0124	99	77.6 - 120
Dissolved Thallium	0.485	mg/L	1	0.500	<0.0189	97	85 - 115
Dissolved Vanadium	0.265	mg/L	1	0.250	<0.00150	106	86 - 114
Dissolved Zinc	0.242	mg/L	1	0.250	<0.00710	97	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.128	mg/L	1	0.125	<0.00210	102	86.2 - 116	1	20
Dissolved Arsenic	0.494	mg/L	1	0.500	<0.00430	99	88.1 - 107	3	20
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	85 - 114	0	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.9 - 119	1	20
Dissolved Cadmium	0.253	mg/L	1	0.250	<0.00140	101	83.3 - 113	0	20
Dissolved Cobalt	0.249	mg/L	1	0.250	<0.00220	100	83.5 - 119	2	20
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	83 - 112	1	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	84.3 - 111	1	20
Dissolved Nickel	0.251	mg/L	1	0.250	<0.00190	100	82.2 - 118	0	20
Dissolved Lead	0.526	mg/L	1	0.500	<0.00740	105	81.1 - 111	1	20
Dissolved Selenium	0.411	mg/L	1	0.500	<0.0131	82	69.6 - 111	2	20
Dissolved Tin	0.305	mg/L	1	0.300	<0.0124	102	77.6 - 120	2	20
Dissolved Thallium	0.471	mg/L	1	0.500	<0.0189	94	85 - 115	3	20
Dissolved Vanadium	0.263	mg/L	1	0.250	<0.00150	105	86 - 114	1	20
Dissolved Zinc	0.247	mg/L	1	0.250	<0.00710	99	84.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36056 Date Analyzed: 2007-03-30 Analyzed By: RR
Prep Batch: 31275 QC Preparation: 2007-03-29 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.130	mg/L	1	0.125	<0.00210	104	86.2 - 116
Dissolved Arsenic	0.490	mg/L	1	0.500	<0.00430	98	88.1 - 107
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	85 - 114
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	78.9 - 119
Dissolved Cadmium	0.253	mg/L	1	0.250	<0.00140	101	83.3 - 113
Dissolved Cobalt	0.254	mg/L	1	0.250	<0.00220	102	83.5 - 119
Dissolved Chromium	0.102	mg/L	1	0.100	<0.000900	102	83 - 112
Dissolved Copper	0.130	mg/L	1	0.125	<0.00140	104	84.3 - 111
Dissolved Nickel	0.252	mg/L	1	0.250	<0.00190	101	82.2 - 118
Dissolved Lead	0.514	mg/L	1	0.500	<0.00740	103	81.1 - 111
Dissolved Selenium	0.439	mg/L	1	0.500	<0.0131	88	69.6 - 111
Dissolved Tin	0.317	mg/L	1	0.300	<0.0124	106	77.6 - 120
Dissolved Thallium	0.508	mg/L	1	0.500	<0.0189	102	85 - 115
Dissolved Vanadium	0.265	mg/L	1	0.250	<0.00150	106	86 - 114
Dissolved Zinc	0.259	mg/L	1	0.250	<0.00710	104	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.131	mg/L	1	0.125	<0.00210	105	86.2 - 116	1	20
Dissolved Arsenic	0.508	mg/L	1	0.500	<0.00430	102	88.1 - 107	4	20
Dissolved Barium	1.02	mg/L	1	1.00	<0.00170	102	85 - 114	1	20
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.9 - 119	8	20
Dissolved Cadmium	0.255	mg/L	1	0.250	<0.00140	102	83.3 - 113	1	20
Dissolved Cobalt	0.253	mg/L	1	0.250	<0.00220	101	83.5 - 119	0	20
Dissolved Chromium	0.102	mg/L	1	0.100	<0.000900	102	83 - 112	0	20
Dissolved Copper	0.129	mg/L	1	0.125	<0.00140	103	84.3 - 111	1	20
Dissolved Nickel	0.252	mg/L	1	0.250	<0.00190	101	82.2 - 118	0	20
Dissolved Lead	0.525	mg/L	1	0.500	<0.00740	105	81.1 - 111	2	20
Dissolved Selenium	0.449	mg/L	1	0.500	<0.0131	90	69.6 - 111	2	20
Dissolved Tin	0.316	mg/L	1	0.300	<0.0124	105	77.6 - 120	0	20
Dissolved Thallium	0.515	mg/L	1	0.500	<0.0189	103	85 - 115	1	20
Dissolved Vanadium	0.264	mg/L	1	0.250	<0.00150	106	86 - 114	0	20
Dissolved Zinc	0.253	mg/L	1	0.250	<0.00710	101	84.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34665 Date Analyzed: 2007-02-14 Analyzed By: RR
Prep Batch: 30060 QC Preparation: 2007-02-14 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.114	mg/L	1	0.125	<0.000199	91	90.1 - 120
Dissolved Arsenic	0.429	mg/L	1	0.500	<0.00430	86	84.4 - 117
Dissolved Barium	0.856	mg/L	1	1.00	0.06	80	75 - 125
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.000178	100	75 - 125
Dissolved Cadmium	0.211	mg/L	1	0.250	<0.000577	84	75 - 112
Dissolved Cobalt	0.210	mg/L	1	0.250	<0.00293	84	75 - 117
Dissolved Chromium	0.0850	mg/L	1	0.100	<0.00357	85	75 - 121
Dissolved Copper	0.112	mg/L	1	0.125	<0.00140	90	83 - 119
Dissolved Nickel	0.210	mg/L	1	0.250	<0.000450	84	75 - 112
Dissolved Lead	0.447	mg/L	1	0.500	<0.00398	89	75 - 111
Dissolved Selenium	0.424	mg/L	1	0.500	<0.00556	85	75 - 118
Dissolved Tin	0.257	mg/L	1	0.300	<0.00759	86	84.8 - 101
Dissolved Thallium	0.401	mg/L	1	0.500	<0.0189	80	75 - 125
Dissolved Vanadium	0.227	mg/L	1	0.250	<0.00105	91	86.1 - 110
Dissolved Zinc	0.215	mg/L	1	0.250	<0.00300	86	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.114	mg/L	1	0.125	<0.000199	91	90.1 - 120	0	20
Dissolved Arsenic	0.441	mg/L	1	0.500	<0.00430	88	84.4 - 117	3	20
Dissolved Barium	0.956	mg/L	1	1.00	0.06	90	75 - 125	11	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.000178	96	75 - 125	4	20
Dissolved Cadmium	0.214	mg/L	1	0.250	<0.000577	86	75 - 112	1	20
Dissolved Cobalt	0.216	mg/L	1	0.250	<0.00293	86	75 - 117	3	20

continued ...

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.0900	mg/L	1	0.100	<0.00357	90	75 - 121	6	20
Dissolved Copper	0.116	mg/L	1	0.125	<0.00140	93	83 - 119	4	20
Dissolved Nickel	0.217	mg/L	1	0.250	<0.000450	87	75 - 112	3	20
Dissolved Lead	0.457	mg/L	1	0.500	<0.00398	91	75 - 111	2	20
Dissolved Selenium	0.428	mg/L	1	0.500	<0.00556	86	75 - 118	1	20
Dissolved Tin	0.265	mg/L	1	0.300	<0.00759	88	84.8 - 101	3	20
Dissolved Thallium	0.415	mg/L	1	0.500	<0.0189	83	75 - 125	3	20
Dissolved Vanadium	0.231	mg/L	1	0.250	<0.00105	92	86.1 - 110	2	20
Dissolved Zinc	0.215	mg/L	1	0.250	<0.00300	86	80.4 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116575

QC Batch: 34753 Date Analyzed: 2007-02-19 Analyzed By: RR
Prep Batch: 30138 QC Preparation: 2007-02-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.135	mg/L	1	0.125	<0.000199	108	90.1 - 120
Dissolved Arsenic	0.556	mg/L	1	0.500	<0.00430	111	84.4 - 117
Dissolved Barium	1.10	mg/L	1	1.00	0.065	104	75 - 125
Dissolved Beryllium	0.0260	mg/L	1	0.0250	<0.000178	104	75 - 125
Dissolved Cadmium	0.251	mg/L	1	0.250	<0.000577	100	75 - 112
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00293	98	75 - 117
Dissolved Chromium	0.110	mg/L	1	0.100	<0.00357	110	75 - 121
Dissolved Copper	0.133	mg/L	1	0.125	<0.00140	106	83 - 119
Dissolved Nickel	0.254	mg/L	1	0.250	<0.000450	102	75 - 112
Dissolved Lead	0.530	mg/L	1	0.500	<0.00398	106	75 - 111
Dissolved Selenium	0.484	mg/L	1	0.500	<0.00556	97	75 - 118
Dissolved Tin	0.300	mg/L	1	0.300	<0.00759	100	84.8 - 101
Dissolved Thallium	0.517	mg/L	1	0.500	<0.0189	103	75 - 125
Dissolved Vanadium	0.254	mg/L	1	0.250	0.003	100	86.1 - 110
Dissolved Zinc	0.254	mg/L	1	0.250	<0.00300	102	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.134	mg/L	1	0.125	<0.000199	107	90.1 - 120	1	20
Dissolved Arsenic	0.492	mg/L	1	0.500	<0.00430	98	84.4 - 117	12	20
Dissolved Barium	1.11	mg/L	1	1.00	0.065	104	75 - 125	1	20
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.000178	100	75 - 125	4	20
Dissolved Cadmium	0.253	mg/L	1	0.250	<0.000577	101	75 - 112	1	20
Dissolved Cobalt	0.251	mg/L	1	0.250	<0.00293	100	75 - 117	2	20
Dissolved Chromium	0.112	mg/L	1	0.100	<0.00357	112	75 - 121	2	20
Dissolved Copper	0.134	mg/L	1	0.125	<0.00140	107	83 - 119	1	20
Dissolved Nickel	0.257	mg/L	1	0.250	<0.000450	103	75 - 112	1	20
Dissolved Lead	0.530	mg/L	1	0.500	<0.00398	106	75 - 111	0	20
Dissolved Selenium	0.442	mg/L	1	0.500	<0.00556	88	75 - 118	9	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Tin	0.298	mg/L	1	0.300	<0.00759	99	84.8 - 101	1	20
Dissolved Thallium	0.511	mg/L	1	0.500	<0.0189	102	75 - 125	1	20
Dissolved Vanadium	0.256	mg/L	1	0.250	0.003	101	86.1 - 110	1	20
Dissolved Zinc	0.258	mg/L	1	0.250	<0.00300	103	80.4 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 35034 Date Analyzed: 2007-02-26 Analyzed By: RR
Prep Batch: 30402 QC Preparation: 2007-02-26 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.00210	94	90.1 - 120
Dissolved Arsenic	0.452	mg/L	1	0.500	<0.00430	90	84.4 - 117
Dissolved Barium	1.03	mg/L	1	1.00	0.066	96	75 - 125
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75 - 125
Dissolved Cadmium	0.234	mg/L	1	0.250	<0.00140	94	75 - 112
Dissolved Cobalt	0.230	mg/L	1	0.250	<0.00220	92	75 - 117
Dissolved Chromium	0.102	mg/L	1	0.100	<0.000900	102	75 - 121
Dissolved Copper	0.126	mg/L	1	0.125	<0.00140	101	83 - 119
Dissolved Nickel	0.233	mg/L	1	0.250	<0.00190	93	75 - 112
Dissolved Lead	0.499	mg/L	1	0.500	<0.00740	100	75 - 111
Dissolved Selenium	0.430	mg/L	1	0.500	<0.0131	86	75 - 118
Dissolved Tin	0.304	mg/L	1	0.300	<0.0124	101	84.8 - 101
Dissolved Thallium	0.473	mg/L	1	0.500	<0.0189	95	75 - 125
Dissolved Vanadium	0.258	mg/L	1	0.250	0.006	101	86.1 - 110
Dissolved Zinc	0.224	mg/L	1	0.250	<0.00710	90	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.119	mg/L	1	0.125	<0.00210	95	90.1 - 120	1	20
Dissolved Arsenic	0.466	mg/L	1	0.500	<0.00430	93	84.4 - 117	3	20
Dissolved Barium	1.04	mg/L	1	1.00	0.066	97	75 - 125	1	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75 - 125	0	20
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.00140	94	75 - 112	1	20
Dissolved Cobalt	0.234	mg/L	1	0.250	<0.00220	94	75 - 117	2	20
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	75 - 121	4	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	83 - 119	2	20
Dissolved Nickel	0.235	mg/L	1	0.250	<0.00190	94	75 - 112	1	20
Dissolved Lead	0.492	mg/L	1	0.500	<0.00740	98	75 - 111	1	20
Dissolved Selenium	0.426	mg/L	1	0.500	<0.0131	85	75 - 118	1	20
Dissolved Tin [1]	0.309	mg/L	1	0.300	<0.0124	103	84.8 - 101	2	20
Dissolved Thallium	0.468	mg/L	1	0.500	<0.0189	94	75 - 125	1	20
Dissolved Vanadium	0.262	mg/L	1	0.250	0.006	102	86.1 - 110	2	20
Dissolved Zinc	0.228	mg/L	1	0.250	<0.00710	91	80.4 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Recovery outside control chart parameters but within method limits. •

Matrix Spike (MS-1) Spiked Sample: 117755

QC Batch: 35158 Date Analyzed: 2007-03-01 Analyzed By: RR
Prep Batch: 30511 QC Preparation: 2007-03-01 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.00210	94	90.1 - 120
Dissolved Arsenic	0.464	mg/L	1	0.500	<0.00430	93	84.4 - 117
Dissolved Barium	1.10	mg/L	1	1.00	0.133	97	75 - 125
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75 - 125
Dissolved Cadmium	0.235	mg/L	1	0.250	<0.00140	94	75 - 112
Dissolved Cobalt	0.231	mg/L	1	0.250	<0.00220	92	75 - 117
Dissolved Chromium	0.106	mg/L	1	0.100	0.005	101	75 - 121
Dissolved Copper	0.121	mg/L	1	0.125	<0.00140	97	83 - 119
Dissolved Nickel	0.237	mg/L	1	0.250	<0.00190	95	75 - 112
Dissolved Lead	0.510	mg/L	1	0.500	<0.00740	102	75 - 111
Dissolved Selenium	0.431	mg/L	1	0.500	<0.0131	86	75 - 118
Dissolved Tin	0.304	mg/L	1	0.300	<0.0124	101	84.8 - 101
Dissolved Thallium	0.509	mg/L	1	0.500	<0.0189	102	75 - 125
Dissolved Vanadium	0.257	mg/L	1	0.250	0.006	100	86.1 - 110
Dissolved Zinc	0.229	mg/L	1	0.250	<0.00710	92	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver		0.119	mg/L	1	0.125	<0.00210	95	90.1 - 120	1	20
Dissolved Arsenic		0.496	mg/L	1	0.500	<0.00430	99	84.4 - 117	7	20
Dissolved Barium		1.11	mg/L	1	1.00	0.133	98	75 - 125	1	20
Dissolved Beryllium		0.0240	mg/L	1	0.0250	<0.00220	96	75 - 125	0	20
Dissolved Cadmium		0.237	mg/L	1	0.250	<0.00140	95	75 - 112	1	20
Dissolved Cobalt		0.232	mg/L	1	0.250	<0.00220	93	75 - 117	0	20
Dissolved Chromium		0.104	mg/L	1	0.100	0.005	99	75 - 121	2	20
Dissolved Copper		0.121	mg/L	1	0.125	<0.00140	97	83 - 119	0	20
Dissolved Nickel		0.238	mg/L	1	0.250	<0.00190	95	75 - 112	0	20
Dissolved Lead		0.491	mg/L	1	0.500	<0.00740	98	75 - 111	4	20
Dissolved Selenium		0.413	mg/L	1	0.500	<0.0131	83	75 - 118	4	20
Dissolved Tin	[2]	0.307	mg/L	1	0.300	<0.0124	102	84.8 - 101	1	20
Dissolved Thallium		0.487	mg/L	1	0.500	<0.0189	97	75 - 125	4	20
Dissolved Vanadium		0.258	mg/L	1	0.250	0.006	101	86.1 - 110	0	20
Dissolved Zinc		0.228	mg/L	1	0.250	<0.00710	91	80.4 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35491 Date Analyzed: 2007-03-12 Analyzed By: RR
Prep Batch: 30743 QC Preparation: 2007-03-09 Prepared By: TS

[2] Recovery outside control chart limits but within method limits. •

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.123	mg/L	1	0.125	<0.00210	98	90.1 - 120
Dissolved Arsenic		0.501	mg/L	1	0.500	<0.00430	100	84.4 - 117
Dissolved Barium		1.03	mg/L	1	1.00	0.06	97	75 - 125
Dissolved Beryllium		0.0250	mg/L	1	0.0250	<0.00220	100	75 - 125
Dissolved Cadmium		0.235	mg/L	1	0.250	<0.00140	94	75 - 112
Dissolved Cobalt		0.239	mg/L	1	0.250	<0.00220	96	75 - 117
Dissolved Chromium		0.107	mg/L	1	0.100	<0.000900	107	75 - 121
Dissolved Copper		0.124	mg/L	1	0.125	<0.00140	99	83 - 119
Dissolved Nickel		0.238	mg/L	1	0.250	<0.00190	95	75 - 112
Dissolved Lead		0.521	mg/L	1	0.500	<0.00740	104	75 - 111
Dissolved Selenium		0.406	mg/L	1	0.500	<0.0131	81	75 - 118
Dissolved Tin	[3]	0.306	mg/L	1	0.300	<0.0124	102	84.8 - 101
Dissolved Thallium		0.469	mg/L	1	0.500	<0.0189	94	75 - 125
Dissolved Vanadium		0.263	mg/L	1	0.250	0.009	102	86.1 - 110
Dissolved Zinc		0.238	mg/L	1	0.250	0.008	92	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	90.1 - 120	2	20
Dissolved Arsenic	0.531	mg/L	1	0.500	<0.00430	106	84.4 - 117	6	20
Dissolved Barium	1.05	mg/L	1	1.00	0.06	99	75 - 125	2	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75 - 125	8	20
Dissolved Cadmium	0.239	mg/L	1	0.250	<0.00140	96	75 - 112	2	20
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00220	98	75 - 117	2	20
Dissolved Chromium	0.109	mg/L	1	0.100	<0.000900	109	75 - 121	2	20
Dissolved Copper	0.126	mg/L	1	0.125	<0.00140	101	83 - 119	2	20
Dissolved Nickel	0.249	mg/L	1	0.250	<0.00190	100	75 - 112	4	20
Dissolved Lead	0.513	mg/L	1	0.500	<0.00740	103	75 - 111	2	20
Dissolved Selenium	0.427	mg/L	1	0.500	<0.0131	85	75 - 118	5	20
Dissolved Tin	0.284	mg/L	1	0.300	<0.0124	95	84.8 - 101	7	20
Dissolved Thallium	0.456	mg/L	1	0.500	<0.0189	91	75 - 125	3	20
Dissolved Vanadium	0.268	mg/L	1	0.250	0.009	104	86.1 - 110	2	20
Dissolved Zinc	0.243	mg/L	1	0.250	0.008	94	80.4 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118908

QC Batch: 35685 Date Analyzed: 2007-03-19 Analyzed By: RR
Prep Batch: 30932 QC Preparation: 2007-03-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.126	mg/L	1	0.125	<0.00210	101	90.1 - 120
Dissolved Arsenic	0.446	mg/L	1	0.500	<0.00430	89	84.4 - 117
Dissolved Barium	1.07	mg/L	1	1.00	0.076	99	75 - 125
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75 - 125
Dissolved Cadmium	0.238	mg/L	1	0.250	<0.00140	95	75 - 112

continued . . .

[3] Recovery within method limits but outside control chart limits. •

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00220	98	75 - 117
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	75 - 121
Dissolved Copper	0.138	mg/L	1	0.125	0.008	104	83 - 119
Dissolved Nickel	0.243	mg/L	1	0.250	<0.00190	97	75 - 112
Dissolved Lead	0.511	mg/L	1	0.500	<0.00740	102	75 - 111
Dissolved Selenium	0.465	mg/L	1	0.500	<0.0131	93	75 - 118
Dissolved Tin [4]	0.308	mg/L	1	0.300	<0.0124	103	84.8 - 101
Dissolved Thallium	0.473	mg/L	1	0.500	<0.0189	95	75 - 125
Dissolved Vanadium	0.268	mg/L	1	0.250	0.005	105	86.1 - 110
Dissolved Zinc	0.245	mg/L	1	0.250	<0.00710	98	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.131	mg/L	1	0.125	<0.00210	105	90.1 - 120	4	20
Dissolved Arsenic	0.470	mg/L	1	0.500	<0.00430	94	84.4 - 117	5	20
Dissolved Barium	1.06	mg/L	1	1.00	0.076	98	75 - 125	1	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75 - 125	4	20
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.00140	94	75 - 112	1	20
Dissolved Cobalt	0.242	mg/L	1	0.250	<0.00220	97	75 - 117	1	20
Dissolved Chromium	0.101	mg/L	1	0.100	<0.000900	101	75 - 121	3	20
Dissolved Copper	0.135	mg/L	1	0.125	0.008	102	83 - 119	2	20
Dissolved Nickel	0.241	mg/L	1	0.250	<0.00190	96	75 - 112	1	20
Dissolved Lead	0.504	mg/L	1	0.500	<0.00740	101	75 - 111	1	20
Dissolved Selenium	0.448	mg/L	1	0.500	<0.0131	90	75 - 118	4	20
Dissolved Tin	0.304	mg/L	1	0.300	<0.0124	101	84.8 - 101	1	20
Dissolved Thallium	0.425	mg/L	1	0.500	<0.0189	85	75 - 125	11	20
Dissolved Vanadium	0.263	mg/L	1	0.250	0.005	103	86.1 - 110	2	20
Dissolved Zinc	0.242	mg/L	1	0.250	<0.00710	97	80.4 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.115	mg/L	1	0.125	<0.00210	92	90.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.119	mg/L	1	0.125	<0.00210	95	90.1 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[4] Recovery within method limits but outside control chart limits. •

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 | Date Analyzed: 2007-03-23 | Analyzed By: RR
Prep Batch: 31042 | QC Preparation: 2007-03-22 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Arsenic	1.43	mg/L	1	0.500	0.908	104	84.4 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Arsenic	1.44	mg/L	1	0.500	0.908	106	84.4 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 | Date Analyzed: 2007-03-23 | Analyzed By: RR
Prep Batch: 31042 | QC Preparation: 2007-03-22 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Barium	0.878	mg/L	1	1.00	<0.00170	88	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Barium	0.939	mg/L	1	1.00	<0.00170	94	75 - 125	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 | Date Analyzed: 2007-03-23 | Analyzed By: RR
Prep Batch: 31042 | QC Preparation: 2007-03-22 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 | Date Analyzed: 2007-03-23 | Analyzed By: RR
Prep Batch: 31042 | QC Preparation: 2007-03-22 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.569	mg/L	1	0.250	0.381	75	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.619	mg/L	1	0.250	0.381	95	75 - 112	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cobalt	0.220	mg/L	1	0.250	<0.00220	88	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cobalt	0.236	mg/L	1	0.250	<0.00220	94	75 - 117	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.0900	mg/L	1	0.100	0.006	84	75 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.0980	mg/L	1	0.100	0.006	92	75 - 121	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Copper	1.38	mg/L	1	0.125	1.26	96	83 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	1.40	mg/L	1	0.125	1.26	112	83 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Nickel	0.359	mg/L	1	0.250	0.09	108	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Nickel	0.352	mg/L	1	0.250	0.09	103	75 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.499	mg/L	1	0.500	0.019	96	75 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Lead	0.496	mg/L	1	0.500	0.019	95	75 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Selenium	0.439	mg/L	1	0.500	<0.0131	88	75 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Selenium	0.436	mg/L	1	0.500	<0.0131	87	75 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Tin	0.281	mg/L	1	0.300	<0.0124	94	84.8 - 101

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Tin	0.293	mg/L	1	0.300	<0.0124	98	84.8 - 101	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Thallium	0.422	mg/L	1	0.500	<0.0189	84	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Thallium	0.433	mg/L	1	0.500	<0.0189	87	75 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Vanadium	0.226	mg/L	1	0.250	<0.00150	90	86.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Vanadium	0.243	mg/L	1	0.250	<0.00150	97	86.1 - 110	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	2.55	mg/L	1	0.250	2.34	84	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc	2.57	mg/L	1	0.250	2.34	92	80.4 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119123

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR
Prep Batch: 31042 QC Preparation: 2007-03-22 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.115	mg/L	1	0.125	<0.00210	92	90.1 - 120
Dissolved Arsenic	1.43	mg/L	1	0.500	0.908	104	84.4 - 117
Dissolved Barium	0.878	mg/L	1	1.00	<0.00170	88	75 - 125
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75 - 125
Dissolved Cadmium	0.569	mg/L	1	0.250	0.381	75	75 - 112
Dissolved Cobalt	0.220	mg/L	1	0.250	<0.00220	88	75 - 117
Dissolved Chromium	0.0900	mg/L	1	0.100	0.006	84	75 - 121
Dissolved Copper	1.38	mg/L	1	0.125	1.26	96	83 - 119
Dissolved Nickel	0.359	mg/L	1	0.250	0.09	108	75 - 112
Dissolved Lead	0.499	mg/L	1	0.500	0.019	96	75 - 111
Dissolved Selenium	0.439	mg/L	1	0.500	<0.0131	88	75 - 118
Dissolved Tin	0.281	mg/L	1	0.300	<0.0124	94	84.8 - 101
Dissolved Thallium	0.422	mg/L	1	0.500	<0.0189	84	75 - 125
Dissolved Vanadium	0.226	mg/L	1	0.250	<0.00150	90	86.1 - 110
Dissolved Zinc	2.55	mg/L	1	0.250	2.34	84	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.119	mg/L	1	0.125	<0.00210	95	90.1 - 120	3	20
Dissolved Arsenic	1.44	mg/L	1	0.500	0.908	106	84.4 - 117	1	20
Dissolved Barium	0.939	mg/L	1	1.00	<0.00170	94	75 - 125	7	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75 - 125	4	20
Dissolved Cadmium	0.619	mg/L	1	0.250	0.381	95	75 - 112	8	20
Dissolved Cobalt	0.236	mg/L	1	0.250	<0.00220	94	75 - 117	7	20
Dissolved Chromium	0.0980	mg/L	1	0.100	0.006	92	75 - 121	8	20
Dissolved Copper	1.40	mg/L	1	0.125	1.26	112	83 - 119	1	20
Dissolved Nickel	0.352	mg/L	1	0.250	0.09	103	75 - 112	2	20
Dissolved Lead	0.496	mg/L	1	0.500	0.019	95	75 - 111	1	20
Dissolved Selenium	0.436	mg/L	1	0.500	<0.0131	87	75 - 118	1	20
Dissolved Tin	0.293	mg/L	1	0.300	<0.0124	98	84.8 - 101	4	20
Dissolved Thallium	0.433	mg/L	1	0.500	<0.0189	87	75 - 125	3	20
Dissolved Vanadium	0.243	mg/L	1	0.250	<0.00150	97	86.1 - 110	7	20
Dissolved Zinc	2.57	mg/L	1	0.250	2.34	92	80.4 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119540

QC Batch: 35973 | Date Analyzed: 2007-03-28 | Analyzed By: RR
Prep Batch: 31160 | QC Preparation: 2007-03-26 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.128	mg/L	1	0.125	<0.00210	102	90.1 - 120
Dissolved Arsenic	0.444	mg/L	1	0.500	<0.00430	89	84.4 - 117
Dissolved Barium	1.11	mg/L	1	1.00	0.111	100	75 - 125
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75 - 125
Dissolved Cadmium	0.251	mg/L	1	0.250	<0.00140	100	75 - 112
Dissolved Cobalt	0.247	mg/L	1	0.250	<0.00220	99	75 - 117
Dissolved Chromium	0.108	mg/L	1	0.100	<0.000900	108	75 - 121
Dissolved Copper	0.137	mg/L	1	0.125	0.01	102	83 - 119
Dissolved Nickel	0.246	mg/L	1	0.250	<0.00190	98	75 - 112
Dissolved Lead	0.523	mg/L	1	0.500	<0.00740	105	75 - 111
Dissolved Selenium	0.418	mg/L	1	0.500	<0.0131	84	75 - 118
Dissolved Tin	0.297	mg/L	1	0.300	<0.0124	99	84.8 - 101
Dissolved Thallium	0.482	mg/L	1	0.500	<0.0189	96	75 - 125
Dissolved Vanadium	0.269	mg/L	1	0.250	0.004	106	86.1 - 110
Dissolved Zinc	0.249	mg/L	1	0.250	<0.00710	100	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.131	mg/L	1	0.125	<0.00210	105	90.1 - 120	2	20
Dissolved Arsenic	0.503	mg/L	1	0.500	<0.00430	101	84.4 - 117	12	20
Dissolved Barium	1.13	mg/L	1	1.00	0.111	102	75 - 125	2	20
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	75 - 125	4	20
Dissolved Cadmium	0.257	mg/L	1	0.250	<0.00140	103	75 - 112	2	20
Dissolved Cobalt	0.253	mg/L	1	0.250	<0.00220	101	75 - 117	2	20
Dissolved Chromium	0.109	mg/L	1	0.100	<0.000900	109	75 - 121	1	20
Dissolved Copper	0.140	mg/L	1	0.125	0.01	104	83 - 119	2	20
Dissolved Nickel	0.254	mg/L	1	0.250	<0.00190	102	75 - 112	3	20
Dissolved Lead	0.541	mg/L	1	0.500	<0.00740	108	75 - 111	3	20
Dissolved Selenium	0.439	mg/L	1	0.500	<0.0131	88	75 - 118	5	20
Dissolved Tin [5]	0.313	mg/L	1	0.300	<0.0124	104	84.8 - 101	5	20
Dissolved Thallium	0.508	mg/L	1	0.500	<0.0189	102	75 - 125	5	20
Dissolved Vanadium	0.271	mg/L	1	0.250	0.004	107	86.1 - 110	1	20
Dissolved Zinc	0.247	mg/L	1	0.250	<0.00710	99	80.4 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120040

QC Batch: 36056 | Date Analyzed: 2007-03-30 | Analyzed By: RR
Prep Batch: 31275 | QC Preparation: 2007-03-29 | Prepared By: TS

[5] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.122	mg/L	1	0.125	<0.00210	98	90.1 - 120
Dissolved Arsenic	0.517	mg/L	1	0.500	<0.00430	103	84.4 - 117
Dissolved Barium	1.05	mg/L	1	1.00	0.07	98	75 - 125
Dissolved Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	75 - 125
Dissolved Cadmium	0.241	mg/L	1	0.250	<0.00140	96	75 - 112
Dissolved Cobalt	0.243	mg/L	1	0.250	<0.00220	97	75 - 117
Dissolved Chromium	0.100	mg/L	1	0.100	<0.000900	100	75 - 121
Dissolved Copper	0.140	mg/L	1	0.125	0.014	101	83 - 119
Dissolved Nickel	0.243	mg/L	1	0.250	<0.00190	97	75 - 112
Dissolved Lead	0.506	mg/L	1	0.500	<0.00740	101	75 - 111
Dissolved Selenium	0.436	mg/L	1	0.500	<0.0131	87	75 - 118
Dissolved Tin	0.303	mg/L	1	0.300	<0.0124	101	84.8 - 101
Dissolved Thallium	0.457	mg/L	1	0.500	<0.0189	91	75 - 125
Dissolved Vanadium	0.263	mg/L	1	0.250	0.005	103	86.1 - 110
Dissolved Zinc	0.241	mg/L	1	0.250	<0.00710	96	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.123	mg/L	1	0.125	<0.00210	98	90.1 - 120	1	20
Dissolved Arsenic	0.492	mg/L	1	0.500	<0.00430	98	84.4 - 117	5	20
Dissolved Barium	1.05	mg/L	1	1.00	0.07	98	75 - 125	0	20
Dissolved Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	75 - 125	17	20
Dissolved Cadmium	0.242	mg/L	1	0.250	<0.00140	97	75 - 112	0	20
Dissolved Cobalt	0.242	mg/L	1	0.250	<0.00220	97	75 - 117	0	20
Dissolved Chromium	0.0990	mg/L	1	0.100	<0.000900	99	75 - 121	1	20
Dissolved Copper	0.139	mg/L	1	0.125	0.014	100	83 - 119	1	20
Dissolved Nickel	0.246	mg/L	1	0.250	<0.00190	98	75 - 112	1	20
Dissolved Lead	0.507	mg/L	1	0.500	<0.00740	101	75 - 111	0	20
Dissolved Selenium	0.462	mg/L	1	0.500	<0.0131	92	75 - 118	6	20
Dissolved Tin	0.302	mg/L	1	0.300	<0.0124	101	84.8 - 101	0	20
Dissolved Thallium	0.489	mg/L	1	0.500	<0.0189	98	75 - 125	7	20
Dissolved Vanadium	0.261	mg/L	1	0.250	0.005	102	86.1 - 110	1	20
Dissolved Zinc	0.240	mg/L	1	0.250	<0.00710	96	80.4 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 34665 Date Analyzed: 2007-02-14 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-02-14
Dissolved Arsenic		mg/L	1.00	0.947	95	90 - 110	2007-02-14
Dissolved Barium		mg/L	1.00	1.00	100	90 - 110	2007-02-14
Dissolved Beryllium		mg/L	1.00	0.977	98	90 - 110	2007-02-14
Dissolved Cadmium		mg/L	1.00	0.989	99	95 - 105	2007-02-14
Dissolved Cobalt		mg/L	1.00	0.985	98	90 - 110	2007-02-14
Dissolved Chromium		mg/L	1.00	0.987	99	90 - 110	2007-02-14

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.974	97	90 - 110	2007-02-14
Dissolved Nickel		mg/L	1.00	0.976	98	90 - 110	2007-02-14
Dissolved Lead		mg/L	1.00	0.988	99	90 - 110	2007-02-14
Dissolved Selenium		mg/L	1.00	1.01	101	90 - 110	2007-02-14
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-02-14
Dissolved Thallium		mg/L	1.00	0.980	98	90 - 110	2007-02-14
Dissolved Vanadium		mg/L	1.00	0.955	96	95 - 105	2007-02-14
Dissolved Zinc		mg/L	1.00	0.981	98	90 - 110	2007-02-14

Standard (CCV-1)

QC Batch: 34665 Date Analyzed: 2007-02-14 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.117	94	90 - 110	2007-02-14
Dissolved Arsenic		mg/L	1.00	0.934	93	90 - 110	2007-02-14
Dissolved Barium		mg/L	1.00	0.940	94	90 - 110	2007-02-14
Dissolved Beryllium		mg/L	1.00	0.901	90	90 - 110	2007-02-14
Dissolved Cadmium		mg/L	1.00	0.910	91	90 - 110	2007-02-14
Dissolved Cobalt		mg/L	1.00	0.901	90	90 - 110	2007-02-14
Dissolved Chromium		mg/L	1.00	0.908	91	90 - 110	2007-02-14
Dissolved Copper		mg/L	1.00	0.924	92	90 - 110	2007-02-14
Dissolved Nickel		mg/L	1.00	0.901	90	90 - 110	2007-02-14
Dissolved Lead		mg/L	1.00	0.912	91	90 - 110	2007-02-14
Dissolved Selenium		mg/L	1.00	0.913	91	90 - 110	2007-02-14
Dissolved Tin		mg/L	1.00	0.924	92	90 - 110	2007-02-14
Dissolved Thallium		mg/L	1.00	0.909	91	90 - 110	2007-02-14
Dissolved Vanadium		mg/L	1.00	0.901	90	90 - 110	2007-02-14
Dissolved Zinc		mg/L	1.00	0.901	90	90 - 110	2007-02-14

Standard (ICV-1)

QC Batch: 34753 Date Analyzed: 2007-02-19 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.128	102	90 - 110	2007-02-19
Dissolved Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-02-19
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-02-19
Dissolved Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-02-19
Dissolved Cadmium		mg/L	1.00	1.04	104	95 - 105	2007-02-19
Dissolved Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-02-19
Dissolved Chromium		mg/L	1.00	1.04	104	90 - 110	2007-02-19
Dissolved Copper		mg/L	1.00	1.00	100	90 - 110	2007-02-19
Dissolved Nickel		mg/L	1.00	1.00	100	90 - 110	2007-02-19

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	1.05	105	90 - 110	2007-02-19
Dissolved Selenium		mg/L	1.00	1.02	102	90 - 110	2007-02-19
Dissolved Tin		mg/L	1.00	1.02	102	90 - 110	2007-02-19
Dissolved Thallium		mg/L	1.00	1.04	104	90 - 110	2007-02-19
Dissolved Vanadium		mg/L	1.00	0.981	98	95 - 105	2007-02-19
Dissolved Zinc		mg/L	1.00	0.999	100	90 - 110	2007-02-19

Standard (CCV-1)

QC Batch: 34753 Date Analyzed: 2007-02-19 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.132	106	90 - 110	2007-02-19
Dissolved Arsenic		mg/L	1.00	1.06	106	90 - 110	2007-02-19
Dissolved Barium		mg/L	1.00	1.02	102	90 - 110	2007-02-19
Dissolved Beryllium		mg/L	1.00	1.03	103	90 - 110	2007-02-19
Dissolved Cadmium		mg/L	1.00	1.08	108	90 - 110	2007-02-19
Dissolved Cobalt		mg/L	1.00	1.04	104	90 - 110	2007-02-19
Dissolved Chromium		mg/L	1.00	1.06	106	90 - 110	2007-02-19
Dissolved Copper		mg/L	1.00	1.03	103	90 - 110	2007-02-19
Dissolved Nickel		mg/L	1.00	1.03	103	90 - 110	2007-02-19
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-02-19
Dissolved Selenium		mg/L	1.00	1.07	107	90 - 110	2007-02-19
Dissolved Tin		mg/L	1.00	1.08	108	90 - 110	2007-02-19
Dissolved Thallium		mg/L	1.00	1.07	107	90 - 110	2007-02-19
Dissolved Vanadium		mg/L	1.00	1.04	104	90 - 110	2007-02-19
Dissolved Zinc		mg/L	1.00	1.04	104	90 - 110	2007-02-19

Standard (ICV-1)

QC Batch: 35034 Date Analyzed: 2007-02-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.129	103	90 - 110	2007-02-26
Dissolved Arsenic		mg/L	1.00	1.03	103	90 - 110	2007-02-26
Dissolved Barium		mg/L	1.00	1.04	104	90 - 110	2007-02-26
Dissolved Beryllium		mg/L	1.00	1.04	104	90 - 110	2007-02-26
Dissolved Cadmium		mg/L	1.00	1.04	104	95 - 105	2007-02-26
Dissolved Cobalt		mg/L	1.00	1.05	105	90 - 110	2007-02-26
Dissolved Chromium		mg/L	1.00	1.06	106	90 - 110	2007-02-26
Dissolved Copper		mg/L	1.00	1.02	102	90 - 110	2007-02-26
Dissolved Nickel		mg/L	1.00	1.04	104	90 - 110	2007-02-26
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-02-26
Dissolved Selenium		mg/L	1.00	1.05	105	90 - 110	2007-02-26

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Tin		mg/L	1.00	1.08	108	90 - 110	2007-02-26
Dissolved Thallium		mg/L	1.00	1.05	105	90 - 110	2007-02-26
Dissolved Vanadium		mg/L	1.00	1.00	100	95 - 105	2007-02-26
Dissolved Zinc		mg/L	1.00	1.04	104	90 - 110	2007-02-26

Standard (CCV-1)

QC Batch: 35034 Date Analyzed: 2007-02-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-02-26
Dissolved Arsenic		mg/L	1.00	0.991	99	90 - 110	2007-02-26
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-02-26
Dissolved Beryllium		mg/L	1.00	0.991	99	90 - 110	2007-02-26
Dissolved Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-02-26
Dissolved Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-02-26
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-02-26
Dissolved Copper		mg/L	1.00	0.987	99	90 - 110	2007-02-26
Dissolved Nickel		mg/L	1.00	0.996	100	90 - 110	2007-02-26
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-02-26
Dissolved Selenium		mg/L	1.00	1.00	100	90 - 110	2007-02-26
Dissolved Tin		mg/L	1.00	1.03	103	90 - 110	2007-02-26
Dissolved Thallium		mg/L	1.00	1.01	101	90 - 110	2007-02-26
Dissolved Vanadium		mg/L	1.00	0.966	97	90 - 110	2007-02-26
Dissolved Zinc		mg/L	1.00	0.999	100	90 - 110	2007-02-26

Standard (ICV-1)

QC Batch: 35158 Date Analyzed: 2007-03-01 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-03-01
Dissolved Arsenic		mg/L	1.00	0.968	97	90 - 110	2007-03-01
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-03-01
Dissolved Beryllium		mg/L	1.00	0.992	99	90 - 110	2007-03-01
Dissolved Cadmium		mg/L	1.00	1.01	101	95 - 105	2007-03-01
Dissolved Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-03-01
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-03-01
Dissolved Copper		mg/L	1.00	0.985	98	90 - 110	2007-03-01
Dissolved Nickel		mg/L	1.00	0.998	100	90 - 110	2007-03-01
Dissolved Lead		mg/L	1.00	1.01	101	90 - 110	2007-03-01
Dissolved Selenium		mg/L	1.00	0.987	99	90 - 110	2007-03-01
Dissolved Tin		mg/L	1.00	1.02	102	90 - 110	2007-03-01
Dissolved Thallium		mg/L	1.00	1.03	103	90 - 110	2007-03-01

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Vanadium		mg/L	1.00	0.973	97	95 - 105	2007-03-01
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-03-01

Standard (CCV-1)

QC Batch: 35158 Date Analyzed: 2007-03-01 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.120	96	90 - 110	2007-03-01
Dissolved Arsenic		mg/L	1.00	0.987	99	90 - 110	2007-03-01
Dissolved Barium		mg/L	1.00	0.973	97	90 - 110	2007-03-01
Dissolved Beryllium		mg/L	1.00	0.953	95	90 - 110	2007-03-01
Dissolved Cadmium		mg/L	1.00	0.986	99	90 - 110	2007-03-01
Dissolved Cobalt		mg/L	1.00	0.970	97	90 - 110	2007-03-01
Dissolved Chromium		mg/L	1.00	0.979	98	90 - 110	2007-03-01
Dissolved Copper		mg/L	1.00	0.934	93	90 - 110	2007-03-01
Dissolved Nickel		mg/L	1.00	0.969	97	90 - 110	2007-03-01
Dissolved Lead		mg/L	1.00	0.993	99	90 - 110	2007-03-01
Dissolved Selenium		mg/L	1.00	0.956	96	90 - 110	2007-03-01
Dissolved Tin		mg/L	1.00	0.993	99	90 - 110	2007-03-01
Dissolved Thallium		mg/L	1.00	0.983	98	90 - 110	2007-03-01
Dissolved Vanadium		mg/L	1.00	0.930	93	90 - 110	2007-03-01
Dissolved Zinc		mg/L	1.00	0.972	97	90 - 110	2007-03-01

Standard (ICV-1)

QC Batch: 35491 Date Analyzed: 2007-03-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.130	104	90 - 110	2007-03-12
Dissolved Arsenic		mg/L	1.00	1.01	101	90 - 110	2007-03-12
Dissolved Barium		mg/L	1.00	1.02	102	90 - 110	2007-03-12
Dissolved Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-03-12
Dissolved Cadmium		mg/L	1.00	1.05	105	95 - 105	2007-03-12
Dissolved Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-03-12
Dissolved Chromium		mg/L	1.00	1.04	104	90 - 110	2007-03-12
Dissolved Copper		mg/L	1.00	1.02	102	90 - 110	2007-03-12
Dissolved Nickel		mg/L	1.00	1.01	101	90 - 110	2007-03-12
Dissolved Lead		mg/L	1.00	1.07	107	90 - 110	2007-03-12
Dissolved Selenium		mg/L	1.00	1.06	106	90 - 110	2007-03-12
Dissolved Tin		mg/L	1.00	1.03	103	90 - 110	2007-03-12
Dissolved Thallium		mg/L	1.00	1.04	104	90 - 110	2007-03-12
Dissolved Vanadium		mg/L	1.00	0.989	99	95 - 105	2007-03-12
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-03-12

Standard (CCV-1)

QC Batch: 35491 Date Analyzed: 2007-03-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-03-12
Dissolved Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-03-12
Dissolved Barium		mg/L	1.00	0.996	100	90 - 110	2007-03-12
Dissolved Beryllium		mg/L	1.00	0.978	98	90 - 110	2007-03-12
Dissolved Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-03-12
Dissolved Cobalt		mg/L	1.00	0.991	99	90 - 110	2007-03-12
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-03-12
Dissolved Copper		mg/L	1.00	0.981	98	90 - 110	2007-03-12
Dissolved Nickel		mg/L	1.00	0.987	99	90 - 110	2007-03-12
Dissolved Lead		mg/L	1.00	1.05	105	90 - 110	2007-03-12
Dissolved Selenium		mg/L	1.00	1.03	103	90 - 110	2007-03-12
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-03-12
Dissolved Thallium		mg/L	1.00	0.987	99	90 - 110	2007-03-12
Dissolved Vanadium		mg/L	1.00	1.00	100	90 - 110	2007-03-12
Dissolved Zinc		mg/L	1.00	0.983	98	90 - 110	2007-03-12

Standard (ICV-1)

QC Batch: 35685 Date Analyzed: 2007-03-19 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-03-19
Dissolved Arsenic		mg/L	1.00	0.947	95	90 - 110	2007-03-19
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-03-19
Dissolved Beryllium		mg/L	1.00	0.981	98	90 - 110	2007-03-19
Dissolved Cadmium		mg/L	1.00	1.02	102	95 - 105	2007-03-19
Dissolved Cobalt		mg/L	1.00	0.985	98	90 - 110	2007-03-19
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-03-19
Dissolved Copper		mg/L	1.00	0.983	98	90 - 110	2007-03-19
Dissolved Nickel		mg/L	1.00	0.981	98	90 - 110	2007-03-19
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-03-19
Dissolved Selenium		mg/L	1.00	0.973	97	90 - 110	2007-03-19
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-03-19
Dissolved Thallium		mg/L	1.00	0.983	98	90 - 110	2007-03-19
Dissolved Vanadium		mg/L	1.00	0.971	97	95 - 105	2007-03-19
Dissolved Zinc		mg/L	1.00	0.976	98	90 - 110	2007-03-19

Standard (CCV-1)

QC Batch: 35685 Date Analyzed: 2007-03-19 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.129	103	90 - 110	2007-03-19
Dissolved Arsenic		mg/L	1.00	1.01	101	90 - 110	2007-03-19
Dissolved Barium		mg/L	1.00	1.04	104	90 - 110	2007-03-19
Dissolved Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-03-19
Dissolved Cadmium		mg/L	1.00	1.07	107	90 - 110	2007-03-19
Dissolved Cobalt		mg/L	1.00	1.03	103	90 - 110	2007-03-19
Dissolved Chromium		mg/L	1.00	1.06	106	90 - 110	2007-03-19
Dissolved Copper		mg/L	1.00	1.03	103	90 - 110	2007-03-19
Dissolved Nickel		mg/L	1.00	1.02	102	90 - 110	2007-03-19
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-03-19
Dissolved Selenium		mg/L	1.00	1.07	107	90 - 110	2007-03-19
Dissolved Tin		mg/L	1.00	1.05	105	90 - 110	2007-03-19
Dissolved Thallium		mg/L	1.00	1.03	103	90 - 110	2007-03-19
Dissolved Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-03-19
Dissolved Zinc		mg/L	1.00	1.02	102	90 - 110	2007-03-19

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.126	101	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.997	100	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Beryllium		mg/L	1.00	0.997	100	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.999	100	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Nickel		mg/L	1.00	0.994	99	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	1.05	105	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Selenium		mg/L	1.00	1.05	105	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Thallium		mg/L	1.00	1.03	103	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Vanadium		mg/L	1.00	0.975	98	95 - 105	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	0.997	100	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.126	101	90 - 110	2007-03-23
Dissolved Arsenic		mg/L	1.00	0.997	100	90 - 110	2007-03-23
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-03-23
Dissolved Beryllium		mg/L	1.00	0.997	100	90 - 110	2007-03-23
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-03-23
Dissolved Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-03-23
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-03-23
Dissolved Copper		mg/L	1.00	0.999	100	90 - 110	2007-03-23
Dissolved Nickel		mg/L	1.00	0.994	99	90 - 110	2007-03-23
Dissolved Lead		mg/L	1.00	1.05	105	90 - 110	2007-03-23
Dissolved Selenium		mg/L	1.00	1.05	105	90 - 110	2007-03-23
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-03-23
Dissolved Thallium		mg/L	1.00	1.03	103	90 - 110	2007-03-23
Dissolved Vanadium		mg/L	1.00	0.975	98	95 - 105	2007-03-23
Dissolved Zinc		mg/L	1.00	0.997	100	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.118	94	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.946	95	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	0.949	95	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Beryllium		mg/L	1.00	0.922	92	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	0.967	97	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cobalt		mg/L	1.00	0.938	94	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Chromium		mg/L	1.00	0.965	96	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.930	93	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Nickel		mg/L	1.00	0.927	93	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	0.979	98	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Selenium		mg/L	1.00	0.999	100	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Tin		mg/L	1.00	0.951	95	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Thallium		mg/L	1.00	0.943	94	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Vanadium		mg/L	1.00	0.915	92	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	0.929	93	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35820 Date Analyzed: 2007-03-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.118	94	90 - 110	2007-03-23
Dissolved Arsenic		mg/L	1.00	0.946	95	90 - 110	2007-03-23
Dissolved Barium		mg/L	1.00	0.949	95	90 - 110	2007-03-23
Dissolved Beryllium		mg/L	1.00	0.922	92	90 - 110	2007-03-23
Dissolved Cadmium		mg/L	1.00	0.967	97	90 - 110	2007-03-23
Dissolved Cobalt		mg/L	1.00	0.938	94	90 - 110	2007-03-23
Dissolved Chromium		mg/L	1.00	0.965	96	90 - 110	2007-03-23
Dissolved Copper		mg/L	1.00	0.930	93	90 - 110	2007-03-23
Dissolved Nickel		mg/L	1.00	0.927	93	90 - 110	2007-03-23
Dissolved Lead		mg/L	1.00	0.979	98	90 - 110	2007-03-23
Dissolved Selenium		mg/L	1.00	0.999	100	90 - 110	2007-03-23
Dissolved Tin		mg/L	1.00	0.951	95	90 - 110	2007-03-23
Dissolved Thallium		mg/L	1.00	0.943	94	90 - 110	2007-03-23
Dissolved Vanadium		mg/L	1.00	0.915	92	90 - 110	2007-03-23
Dissolved Zinc		mg/L	1.00	0.929	93	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35973 Date Analyzed: 2007-03-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.123	98	90 - 110	2007-03-28
Dissolved Arsenic		mg/L	1.00	0.946	95	90 - 110	2007-03-28
Dissolved Barium		mg/L	1.00	1.00	100	90 - 110	2007-03-28
Dissolved Beryllium		mg/L	1.00	0.965	96	90 - 110	2007-03-28
Dissolved Cadmium		mg/L	1.00	1.01	101	95 - 105	2007-03-28
Dissolved Cobalt		mg/L	1.00	0.973	97	90 - 110	2007-03-28
Dissolved Chromium		mg/L	1.00	1.00	100	90 - 110	2007-03-28

continued . . .

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.978	98	90 - 110	2007-03-28
Dissolved Nickel		mg/L	1.00	0.968	97	90 - 110	2007-03-28
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-03-28
Dissolved Selenium		mg/L	1.00	0.911	91	90 - 110	2007-03-28
Dissolved Tin		mg/L	1.00	0.999	100	90 - 110	2007-03-28
Dissolved Thallium		mg/L	1.00	0.988	99	90 - 110	2007-03-28
Dissolved Vanadium		mg/L	1.00	0.991	99	95 - 105	2007-03-28
Dissolved Zinc		mg/L	1.00	0.968	97	90 - 110	2007-03-28

Standard (CCV-1)

QC Batch: 35973 Date Analyzed: 2007-03-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.131	105	90 - 110	2007-03-28
Dissolved Arsenic		mg/L	1.00	1.06	106	90 - 110	2007-03-28
Dissolved Barium		mg/L	1.00	1.05	105	90 - 110	2007-03-28
Dissolved Beryllium		mg/L	1.00	1.03	103	90 - 110	2007-03-28
Dissolved Cadmium		mg/L	1.00	1.08	108	90 - 110	2007-03-28
Dissolved Cobalt		mg/L	1.00	1.04	104	90 - 110	2007-03-28
Dissolved Chromium		mg/L	1.00	1.07	107	90 - 110	2007-03-28
Dissolved Copper		mg/L	1.00	1.03	103	90 - 110	2007-03-28
Dissolved Nickel		mg/L	1.00	1.04	104	90 - 110	2007-03-28
Dissolved Lead		mg/L	1.00	1.06	106	90 - 110	2007-03-28
Dissolved Selenium		mg/L	1.00	1.02	102	90 - 110	2007-03-28
Dissolved Tin		mg/L	1.00	1.08	108	90 - 110	2007-03-28
Dissolved Thallium		mg/L	1.00	1.04	104	90 - 110	2007-03-28
Dissolved Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-03-28
Dissolved Zinc		mg/L	1.00	1.04	104	90 - 110	2007-03-28

Standard (ICV-1)

QC Batch: 36056 Date Analyzed: 2007-03-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.126	101	90 - 110	2007-03-30
Dissolved Arsenic		mg/L	1.00	1.03	103	90 - 110	2007-03-30
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-03-30
Dissolved Beryllium		mg/L	1.00	0.996	100	90 - 110	2007-03-30
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-03-30
Dissolved Cobalt		mg/L	1.00	0.994	99	90 - 110	2007-03-30
Dissolved Chromium		mg/L	1.00	1.03	103	90 - 110	2007-03-30
Dissolved Copper		mg/L	1.00	0.993	99	90 - 110	2007-03-30
Dissolved Nickel		mg/L	1.00	0.989	99	90 - 110	2007-03-30

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-03-30
Dissolved Selenium		mg/L	1.00	0.984	98	90 - 110	2007-03-30
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-03-30
Dissolved Thallium		mg/L	1.00	1.02	102	90 - 110	2007-03-30
Dissolved Vanadium		mg/L	1.00	1.01	101	95 - 105	2007-03-30
Dissolved Zinc		mg/L	1.00	0.992	99	90 - 110	2007-03-30

Standard (CCV-1)

QC Batch: 36056 Date Analyzed: 2007-03-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.129	103	90 - 110	2007-03-30
Dissolved Arsenic		mg/L	1.00	1.06	106	90 - 110	2007-03-30
Dissolved Barium		mg/L	1.00	1.04	104	90 - 110	2007-03-30
Dissolved Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-03-30
Dissolved Cadmium		mg/L	1.00	1.06	106	90 - 110	2007-03-30
Dissolved Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-03-30
Dissolved Chromium		mg/L	1.00	1.05	105	90 - 110	2007-03-30
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2007-03-30
Dissolved Nickel		mg/L	1.00	1.02	102	90 - 110	2007-03-30
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-03-30
Dissolved Selenium		mg/L	1.00	1.06	106	90 - 110	2007-03-30
Dissolved Tin		mg/L	1.00	1.04	104	90 - 110	2007-03-30
Dissolved Thallium		mg/L	1.00	1.06	106	90 - 110	2007-03-30
Dissolved Vanadium		mg/L	1.00	0.996	100	90 - 110	2007-03-30
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-03-30

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	Sample Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	Sample Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	Sample Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	Sample Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	Sample Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	Sample Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	Sample Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35296	Date Analyzed:	2007-03-06	Analyzed By:	TP
Prep Batch:	30622	Sample Preparation:	2007-03-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35296	Date Analyzed:	2007-03-06	Analyzed By:	TP
Prep Batch:	30622	Sample Preparation:	2007-03-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35296	Date Analyzed:	2007-03-06	Analyzed By:	TP
Prep Batch:	30622	Sample Preparation:	2007-03-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35576	Date Analyzed:	2007-03-14	Analyzed By:	TP
Prep Batch:	30861	Sample Preparation:	2007-03-14	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35576	Date Analyzed:	2007-03-14	Analyzed By:	TP
Prep Batch:	30861	Sample Preparation:	2007-03-14	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35657	Date Analyzed:	2007-03-16	Analyzed By:	TP
Prep Batch:	30925	Sample Preparation:	2007-03-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35657	Date Analyzed:	2007-03-16	Analyzed By:	TP
Prep Batch:	30925	Sample Preparation:	2007-03-16	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35816	Date Analyzed:	2007-03-23	Analyzed By:	TP
Prep Batch:	31047	Sample Preparation:	2007-03-22	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35816	Date Analyzed:	2007-03-23	Analyzed By:	TP
Prep Batch:	31047	Sample Preparation:	2007-03-22	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	35816	Date Analyzed:	2007-03-23	Analyzed By:	TP
Prep Batch:	31047	Sample Preparation:	2007-03-22	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36049	Date Analyzed:	2007-03-29	Analyzed By:	TP
Prep Batch:	31265	Sample Preparation:	2007-03-29	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36049	Date Analyzed:	2007-03-29	Analyzed By:	TP
Prep Batch:	31265	Sample Preparation:	2007-03-29	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36049	Date Analyzed:	2007-03-29	Analyzed By:	TP
Prep Batch:	31265	Sample Preparation:	2007-03-29	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36049	Date Analyzed:	2007-03-29	Analyzed By:	TP
Prep Batch:	31265	Sample Preparation:	2007-03-29	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36049	Date Analyzed:	2007-03-29	Analyzed By:	TP
Prep Batch:	31265	Sample Preparation:	2007-03-29	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Method Blank (1) QC Batch: 34805

QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	QC Preparation:	2007-02-19	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000217	mg/L	0.0002

Method Blank (1) QC Batch: 35070

QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	QC Preparation:	2007-02-26	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000217	mg/L	0.0002

Method Blank (1) QC Batch: 35296

QC Batch:	35296	Date Analyzed:	2007-03-06	Analyzed By:	TP
Prep Batch:	30622	QC Preparation:	2007-03-05	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 35576

QC Batch:	35576	Date Analyzed:	2007-03-14	Analyzed By:	TP
Prep Batch:	30861	QC Preparation:	2007-03-14	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 35657

QC Batch:	35657	Date Analyzed:	2007-03-16	Analyzed By:	TP
Prep Batch:	30925	QC Preparation:	2007-03-16	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 35816

QC Batch:	35816	Date Analyzed:	2007-03-23	Analyzed By:	TP
Prep Batch:	31047	QC Preparation:	2007-03-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 36049

QC Batch:	36049	Date Analyzed:	2007-03-29	Analyzed By:	TP
Prep Batch:	31265	QC Preparation:	2007-03-29	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Laboratory Control Spike (LCS-1)

QC Batch:	34805	Date Analyzed:	2007-02-19	Analyzed By:	TP
Prep Batch:	30159	QC Preparation:	2007-02-19	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000970	mg/L	1	0.00100	<0.0000217	97	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000217	100	85.8 - 107.3	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	35070	Date Analyzed:	2007-02-27	Analyzed By:	TP
Prep Batch:	30416	QC Preparation:	2007-02-26	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000900	mg/L	1	0.00100	<0.0000217	90	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000900	mg/L	1	0.00100	<0.0000217	90	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35296 Date Analyzed: 2007-03-06 Analyzed By: TP
Prep Batch: 30622 QC Preparation: 2007-03-05 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000960	mg/L	1	0.00100	<0.0000336	96	85.8 - 107.3	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35576 Date Analyzed: 2007-03-14 Analyzed By: TP
Prep Batch: 30861 QC Preparation: 2007-03-14 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35657 Date Analyzed: 2007-03-16 Analyzed By: TP
Prep Batch: 30925 QC Preparation: 2007-03-16 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000940	mg/L	1	0.00100	<0.0000336	94	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000930	mg/L	1	0.00100	<0.0000336	93	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35816 Date Analyzed: 2007-03-23 Analyzed By: TP
Prep Batch: 31047 QC Preparation: 2007-03-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36049 Date Analyzed: 2007-03-29 Analyzed By: TP
Prep Batch: 31265 QC Preparation: 2007-03-29 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	85.8 - 107.3	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34805 Date Analyzed: 2007-02-19 Analyzed By: TP
Prep Batch: 30159 QC Preparation: 2007-02-19 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000217	100	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000217	103	77.5 - 108.9	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 35070 | Date Analyzed: 2007-02-27 | Analyzed By: TP
Prep Batch: 30416 | QC Preparation: 2007-02-26 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	4e-05	99	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00104	mg/L	1	0.00100	4e-05	100	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117623

QC Batch: 35296 | Date Analyzed: 2007-03-06 | Analyzed By: TP
Prep Batch: 30622 | QC Preparation: 2007-03-05 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	77.5 - 108.9	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35576 | Date Analyzed: 2007-03-14 | Analyzed By: TP
Prep Batch: 30861 | QC Preparation: 2007-03-14 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	77.5 - 108.9	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118908

QC Batch: 35657 | Date Analyzed: 2007-03-16 | Analyzed By: TP
Prep Batch: 30925 | QC Preparation: 2007-03-16 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	77.5 - 108.9	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119392

QC Batch: 35816 Date Analyzed: 2007-03-23 Analyzed By: TP
Prep Batch: 31047 QC Preparation: 2007-03-22 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000920	mg/L	1	0.00100	<0.0000336	92	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000920	mg/L	1	0.00100	<0.0000336	92	77.5 - 108.9	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119540

QC Batch: 36049 Date Analyzed: 2007-03-29 Analyzed By: TP
Prep Batch: 31265 QC Preparation: 2007-03-29 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	77.5 - 108.9	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 34805 Date Analyzed: 2007-02-19 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-02-19

Standard (CCV-1)

QC Batch: 34805 Date Analyzed: 2007-02-19 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	80 - 120	2007-02-19

Standard (ICV-1)

QC Batch: 35070 Date Analyzed: 2007-02-27 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-02-27

Standard (CCV-1)

QC Batch: 35070 Date Analyzed: 2007-02-27 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-02-27

Standard (ICV-1)

QC Batch: 35296 Date Analyzed: 2007-03-06 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-03-06

Standard (CCV-1)

QC Batch: 35296 Date Analyzed: 2007-03-06 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-03-06

Standard (ICV-1)

QC Batch: 35576 Date Analyzed: 2007-03-14 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2007-03-14

Standard (CCV-1)

QC Batch: 35576 Date Analyzed: 2007-03-14 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000900	90	80 - 120	2007-03-14

Standard (ICV-1)

QC Batch: 35657 Date Analyzed: 2007-03-16 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-03-16

Standard (CCV-1)

QC Batch: 35657 Date Analyzed: 2007-03-16 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	80 - 120	2007-03-16

Standard (ICV-1)

QC Batch: 35816 Date Analyzed: 2007-03-23 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00103	103	80 - 120	2007-03-23

Standard (CCV-1)

QC Batch: 35816 Date Analyzed: 2007-03-23 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-03-23

Standard (ICV-1)

QC Batch: 36049 Date Analyzed: 2007-03-29 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00109	109	80 - 120	2007-03-29

Standard (CCV-1)

QC Batch: 36049 Date Analyzed: 2007-03-29 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	80 - 120	2007-03-29

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 83 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**31.1**	mg/L	5	2.00
Fluoride		**0.330**	mg/L	1	0.200
Sulfate		**42.9**	mg/L	5	1.00

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.94**	mg/L	2	0.100

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**48.2**	mg/L	5	2.00
Fluoride		<0.200	mg/L	1	0.200
Sulfate		**68.9**	mg/L	5	1.00

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.90**	mg/L	2	0.100

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**89.8**	mg/L	5	0.500
Fluoride		**1.18**	mg/L	5	0.200
Sulfate		**175**	mg/L	5	0.500

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		**1.87**	mg/L	5	0.200

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**9.68**		mg/L	5	0.200

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**64.6**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**183**		mg/L	5	0.500

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrite-N		**1.63**		mg/L	5	0.200

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**9.86**		mg/L	5	0.200

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**98.4**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**160**		mg/L	5	0.500

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		**2.01**	mg/L	5	0.200

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**8.17**	mg/L	5	0.200

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**166**	mg/L	5	0.500
Fluoride		**1.11**	mg/L	5	0.200
Sulfate		**168**	mg/L	5	0.500

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		**2.70**	mg/L	5	0.200

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	Sample Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**8.38**	mg/L	5	0.200

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34821	Date Analyzed:	2007-02-20	Analyzed By:	ER
Prep Batch:	30209	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**48.3**	mg/L	5	0.500
Fluoride		**1.11**	mg/L	5	0.200
Sulfate		**70.4**	mg/L	5	0.500

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		**1.61**	mg/L	5	0.200

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.51**	mg/L	5	0.200

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34821	Date Analyzed:	2007-02-20	Analyzed By:	ER
Prep Batch:	30209	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**23.0**	mg/L	5	0.500
Fluoride		**1.20**	mg/L	5	0.200
Sulfate		**49.4**	mg/L	5	0.500

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<1.00	mg/L	5	0.200

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**3.34**	mg/L	5	0.200

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34821	Date Analyzed:	2007-02-20	Analyzed By:	ER
Prep Batch:	30209	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**19.8**	mg/L	5	0.500
Fluoride		**1.20**	mg/L	5	0.200
Sulfate		**46.8**	mg/L	5	0.500

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<1.00	mg/L	5	0.200

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	Sample Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**2.94**	mg/L	5	0.200

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**84.2**	mg/L	5	2.00
Fluoride		**0.250**	mg/L	1	0.200
Sulfate		**143**	mg/L	10	1.00

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**10.3**	mg/L	5	0.100

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**56.6**	mg/L	5	2.00
Fluoride		**0.380**	mg/L	1	0.200
Sulfate		**102**	mg/L	10	1.00

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**7.95**	mg/L	2	0.100

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**39.4**	mg/L	2	2.00
Fluoride		**0.340**	mg/L	1	0.200
Sulfate		**67.9**	mg/L	5	1.00

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.68**	mg/L	2	0.100

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**46.8**	mg/L	5	2.00
Fluoride		**0.260**	mg/L	1	0.200
Sulfate		**122**	mg/L	10	1.00

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.91**	mg/L	2	0.100

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35042	Date Analyzed:	2007-02-23	Analyzed By:	JR
Prep Batch:	30415	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**29.0**	mg/L	2	2.00
Fluoride		**0.380**	mg/L	1	0.200
Sulfate		**49.8**	mg/L	5	1.00

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35042	Date Analyzed:	2007-02-23	Analyzed By:	JR
Prep Batch:	30415	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35042	Date Analyzed:	2007-02-23	Analyzed By:	JR
Prep Batch:	30415	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**6.94**	mg/L	2	0.100

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35042	Date Analyzed:	2007-02-23	Analyzed By:	JR
Prep Batch:	30415	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**39.6**	mg/L	5	2.00
Fluoride		**0.340**	mg/L	1	0.200
Sulfate		**86.2**	mg/L	10	1.00

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35042	Date Analyzed:	2007-02-23	Analyzed By:	JR
Prep Batch:	30415	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35042	Date Analyzed:	2007-02-23	Analyzed By:	JR
Prep Batch:	30415	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.19**	mg/L	2	0.100

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35161	Date Analyzed:	2007-02-27	Analyzed By:	JR
Prep Batch:	30516	Sample Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**21.2**	mg/L	2	2.00
Fluoride		**0.280**	mg/L	1	0.200
Sulfate		**33.4**	mg/L	2	1.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**65.0**	mg/L	5	2.00
Fluoride		**0.380**	mg/L	1	0.200
Sulfate		**53.7**	mg/L	5	1.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**6.11**	mg/L	2	0.100

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**192**		mg/L	10	2.00
Fluoride		**0.320**		mg/L	1	0.200
Sulfate		**389**		mg/L	10	1.00

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrite-N		<0.100		mg/L	1	0.100

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**8.62**		mg/L	5	0.100

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35518	Date Analyzed:	2007-03-08	Analyzed By:	JR
Prep Batch:	30817	Sample Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**10.9**		mg/L	1	2.00
Fluoride		**0.430**		mg/L	1	0.200
Sulfate		**44.4**		mg/L	5	1.00

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35518	Date Analyzed:	2007-03-08	Analyzed By:	JR
Prep Batch:	30817	Sample Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35518	Date Analyzed:	2007-03-08	Analyzed By:	JR
Prep Batch:	30817	Sample Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**1.40**	mg/L	1	0.100

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35523	Date Analyzed:	2007-03-09	Analyzed By:	JR
Prep Batch:	30822	Sample Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12.5**	mg/L	1	2.00
Fluoride		**0.510**	mg/L	1	0.200
Sulfate		**31.9**	mg/L	2	1.00

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35523	Date Analyzed:	2007-03-09	Analyzed By:	JR
Prep Batch:	30822	Sample Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35523	Date Analyzed:	2007-03-09	Analyzed By:	JR
Prep Batch:	30822	Sample Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**0.650**	mg/L	1	0.100

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**68.1**	mg/L	5	2.00
Fluoride		**0.300**	mg/L	1	0.200
Sulfate		**108**	mg/L	5	1.00

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**7.69**	mg/L	5	0.100

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**66.5**	mg/L	5	2.00
Fluoride		**0.300**	mg/L	1	0.200
Sulfate		**106**	mg/L	5	1.00

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrite-N		<0.100		mg/L	1	0.100

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**7.53**		mg/L	2	0.100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**13.6**		mg/L	2	2.00

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		**0.440**		mg/L	1	0.200

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrite-N		<0.100		mg/L	1	0.100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**2.13**	mg/L	1	0.100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**46.3**	mg/L	5	1.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11.2**	mg/L	1	2.00
Fluoride		**0.440**	mg/L	1	0.200
Sulfate		**46.5**	mg/L	5	1.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**1.43**	mg/L	1	0.100

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11.2**	mg/L	1	2.00
Fluoride		**0.440**	mg/L	1	0.200
Sulfate		**46.1**	mg/L	5	1.00

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**1.43**	mg/L	1	0.100

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35885	Date Analyzed:	2007-03-22	Analyzed By:	JR
Prep Batch:	31142	Sample Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**37.0**	mg/L	5	2.00
Fluoride		**0.370**	mg/L	1	0.200
Sulfate		**65.9**	mg/L	5	1.00

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35885	Date Analyzed:	2007-03-22	Analyzed By:	JR
Prep Batch:	31142	Sample Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35885	Date Analyzed:	2007-03-22	Analyzed By:	JR
Prep Batch:	31142	Sample Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.59**	mg/L	2	0.100

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**38.0**	mg/L	5	2.00
Fluoride		**0.360**	mg/L	1	0.200
Sulfate		**51.1**	mg/L	5	1.00

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.02**		mg/L	2	0.100

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**17.7**		mg/L	2	2.00
Fluoride		**0.440**		mg/L	1	0.200
Sulfate		**51.4**		mg/L	2	1.00

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrite-N		<0.100		mg/L	1	0.100

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**2.68**		mg/L	1	0.100

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**14.5**		mg/L	1	2.00
Fluoride		**0.460**		mg/L	1	0.200
Sulfate		**50.6**		mg/L	5	1.00

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**2.29**	mg/L	1	0.100

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00	mg/L	1	2.00
Fluoride		<0.200	mg/L	1	0.200
Sulfate		<1.00	mg/L	1	1.00

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		<0.100	mg/L	1	0.100

Method Blank (1) QC Batch: 34685

QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	QC Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0128	mg/L	0.2

Method Blank (1) QC Batch: 34685

QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	QC Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0106	mg/L	0.2

Method Blank (1) QC Batch: 34685

QC Batch:	34685	Date Analyzed:	2007-02-15	Analyzed By:	ER
Prep Batch:	30091	QC Preparation:	2007-02-14	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5
Fluoride		<0.0119	mg/L	0.2
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 34729

QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	QC Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0128	mg/L	0.2

Method Blank (1) QC Batch: 34729

QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	QC Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0106	mg/L	0.2

Method Blank (1) QC Batch: 34777

QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	QC Preparation:	2007-02-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 34777

QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	QC Preparation:	2007-02-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 34777

QC Batch:	34777	Date Analyzed:	2007-02-09	Analyzed By:	JR
Prep Batch:	30177	QC Preparation:	2007-02-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 34821

QC Batch:	34821	Date Analyzed:	2007-02-20	Analyzed By:	ER
Prep Batch:	30209	QC Preparation:	2007-02-16	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5
Fluoride		<0.0119	mg/L	0.2
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 34978

QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	QC Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 34978

QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	QC Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 34978

QC Batch:	34978	Date Analyzed:	2007-02-21	Analyzed By:	JG
Prep Batch:	30355	QC Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 35010

QC Batch:	35010	Date Analyzed:	2007-02-22	Analyzed By:	JR
Prep Batch:	30384	QC Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35010

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35010

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 35042

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35042

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35042

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 35161

QC Batch:	35161	Date Analyzed:	2007-02-27	Analyzed By:	JR
Prep Batch:	30516	QC Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 35165

QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	QC Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35165

QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	QC Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35165

QC Batch:	35165	Date Analyzed:	2007-02-28	Analyzed By:	JR
Prep Batch:	30519	QC Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2

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Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 35518

QC Batch:	35518	Date Analyzed:	2007-03-08	Analyzed By:	JR
Prep Batch:	30817	QC Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35518

QC Batch:	35518	Date Analyzed:	2007-03-08	Analyzed By:	JR
Prep Batch:	30817	QC Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35518

QC Batch:	35518	Date Analyzed:	2007-03-08	Analyzed By:	JR
Prep Batch:	30817	QC Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35523

QC Batch:	35523	Date Analyzed:	2007-03-09	Analyzed By:	JR
Prep Batch:	30822	QC Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35523

QC Batch:	35523	Date Analyzed:	2007-03-09	Analyzed By:	JR
Prep Batch:	30822	QC Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35523

QC Batch:	35523	Date Analyzed:	2007-03-09	Analyzed By:	JR
Prep Batch:	30822	QC Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35593

QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	QC Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35593

QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	QC Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35593

QC Batch:	35593	Date Analyzed:	2007-03-14	Analyzed By:	JR
Prep Batch:	30875	QC Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35880

QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	QC Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2

Method Blank (1) QC Batch: 35880

QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	QC Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0168	mg/L	0.2

Method Blank (1) QC Batch: 35880

QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	QC Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35880

QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	QC Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35880

QC Batch:	35880	Date Analyzed:	2007-03-20	Analyzed By:	JR
Prep Batch:	31138	QC Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35882

QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	QC Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35882

QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	QC Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35882

QC Batch:	35882	Date Analyzed:	2007-03-21	Analyzed By:	JR
Prep Batch:	31140	QC Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35885

QC Batch:	35885	Date Analyzed:	2007-03-22	Analyzed By:	JR
Prep Batch:	31142	QC Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35885

QC Batch:	35885	Date Analyzed:	2007-03-22	Analyzed By:	JR
Prep Batch:	31142	QC Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35885

QC Batch:	35885	Date Analyzed:	2007-03-22	Analyzed By:	JR
Prep Batch:	31142	QC Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35886

QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	QC Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35886

QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	QC Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35886

QC Batch:	35886	Date Analyzed:	2007-03-23	Analyzed By:	JR
Prep Batch:	31143	QC Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 35997

QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	QC Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1

Method Blank (1) QC Batch: 35997

QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	QC Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 35997

QC Batch:	35997	Date Analyzed:	2007-03-27	Analyzed By:	JR
Prep Batch:	31234	QC Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch:	34729	Date Analyzed:	2007-02-16	Analyzed By:	ER
Prep Batch:	30133	QC Preparation:	2007-02-16	Prepared By:	ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.72	mg/L	1	2.50	<0.0128	109	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.70	mg/L	1	2.50	<0.0128	108	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER
Prep Batch: 30133 QC Preparation: 2007-02-16 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.65	mg/L	1	2.50	<0.0106	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.65	mg/L	1	2.50	<0.0106	106	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR
Prep Batch: 30177 QC Preparation: 2007-02-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.35	mg/L	1	2.50	<0.0168	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.37	mg/L	1	2.50	<0.0168	95	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR
Prep Batch: 30177 QC Preparation: 2007-02-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.40	mg/L	1	2.50	<0.0168	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.41	mg/L	1	2.50	<0.0168	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR
Prep Batch: 30177 QC Preparation: 2007-02-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.5	mg/L	1	12.5	<0.0257	92	90 - 110
Fluoride	2.30	mg/L	1	2.50	<0.0168	92	88.6 - 107
Sulfate	11.9	mg/L	1	12.5	<0.0598	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.5	mg/L	1	12.5	<0.0257	92	90 - 110	0	20
Fluoride	2.30	mg/L	1	2.50	<0.0168	92	88.6 - 107	0	20
Sulfate	12.0	mg/L	1	12.5	<0.0598	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34821 Date Analyzed: 2007-02-20 Analyzed By: ER
Prep Batch: 30209 QC Preparation: 2007-02-16 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.6	mg/L	1	12.5	<0.0181	109	90 - 110
Fluoride	2.64	mg/L	1	2.50	<0.0119	106	90 - 110
Sulfate	13.3	mg/L	1	12.5	<0.0485	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	13.5	mg/L	1	12.5	<0.0181	108	90 - 110	1	20
Fluoride	2.68	mg/L	1	2.50	<0.0119	107	90 - 110	2	20
Sulfate	13.0	mg/L	1	12.5	<0.0485	104	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG
Prep Batch: 30355 QC Preparation: 2007-02-21 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.42	mg/L	1	2.50	<0.0168	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.42	mg/L	1	2.50	<0.0168	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG
Prep Batch: 30355 QC Preparation: 2007-02-21 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.44	mg/L	1	2.50	<0.0168	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.44	mg/L	1	2.50	<0.0168	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG
Prep Batch: 30355 QC Preparation: 2007-02-21 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.0257	94	90 - 110
Fluoride	2.36	mg/L	1	2.50	<0.0168	94	88.6 - 107
Sulfate	12.2	mg/L	1	12.5	<0.0598	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0257	94	90 - 110	0	20
Fluoride	2.36	mg/L	1	2.50	<0.0168	94	88.6 - 107	0	20
Sulfate	12.1	mg/L	1	12.5	<0.0598	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.41	mg/L	1	2.50	<0.0168	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.41	mg/L	1	2.50	<0.0168	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.7	mg/L	1	12.5	<0.0257	94	90 - 110
Fluoride	2.36	mg/L	1	2.50	<0.0168	94	88.6 - 107
Sulfate	12.1	mg/L	1	12.5	<0.0598	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.7	mg/L	1	12.5	<0.0257	94	90 - 110	0	20
Fluoride	2.36	mg/L	1	2.50	<0.0168	94	88.6 - 107	0	20
Sulfate	12.1	mg/L	1	12.5	<0.0598	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.41	mg/L	1	2.50	<0.0168	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.45	mg/L	1	2.50	<0.0168	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.0257	94	90 - 110
Fluoride	2.35	mg/L	1	2.50	<0.0168	94	88.6 - 107
Sulfate	12.1	mg/L	1	12.5	<0.0598	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0257	94	90 - 110	0	20
Fluoride	2.34	mg/L	1	2.50	<0.0168	94	88.6 - 107	0	20
Sulfate	12.1	mg/L	1	12.5	<0.0598	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35161 Date Analyzed: 2007-02-27 Analyzed By: JR
Prep Batch: 30516 QC Preparation: 2007-02-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.0257	96	90 - 110
Fluoride	2.42	mg/L	1	2.50	<0.0168	97	88.6 - 107
Sulfate	12.5	mg/L	1	12.5	<0.0598	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.1	mg/L	1	12.5	<0.0257	97	90 - 110	1	20
Fluoride	2.42	mg/L	1	2.50	<0.0168	97	88.6 - 107	0	20
Sulfate	12.5	mg/L	1	12.5	<0.0598	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR
Prep Batch: 30519 QC Preparation: 2007-02-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.44	mg/L	1	2.50	<0.0168	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR
Prep Batch: 30519 QC Preparation: 2007-02-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.44	mg/L	1	2.50	<0.0168	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.45	mg/L	1	2.50	<0.0168	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR
Prep Batch: 30519 QC Preparation: 2007-02-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.0257	94	90 - 110
Fluoride	2.34	mg/L	1	2.50	<0.0168	94	88.6 - 107
Sulfate	12.2	mg/L	1	12.5	<0.0598	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0257	94	90 - 110	0	20
Fluoride	2.34	mg/L	1	2.50	<0.0168	94	88.6 - 107	0	20
Sulfate	12.2	mg/L	1	12.5	<0.0598	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR
Prep Batch: 30817 QC Preparation: 2007-03-08 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.44	mg/L	1	2.50	<0.0153	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.47	mg/L	1	2.50	<0.0153	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR
Prep Batch: 30817 QC Preparation: 2007-03-08 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.46	mg/L	1	2.50	<0.0168	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.49	mg/L	1	2.50	<0.0168	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR
Prep Batch: 30817 QC Preparation: 2007-03-08 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110
Fluoride	2.34	mg/L	1	2.50	<0.0168	94	88.6 - 107
Sulfate	12.1	mg/L	1	12.5	<0.0238	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110	2	20
Fluoride	2.38	mg/L	1	2.50	<0.0168	95	88.6 - 107	2	20
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR
Prep Batch: 30822 QC Preparation: 2007-03-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.43	mg/L	1	2.50	<0.0153	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.43	mg/L	1	2.50	<0.0153	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR
Prep Batch: 30822 QC Preparation: 2007-03-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.45	mg/L	1	2.50	<0.0168	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.46	mg/L	1	2.50	<0.0168	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR
Prep Batch: 30822 QC Preparation: 2007-03-09 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110
Fluoride	2.34	mg/L	1	2.50	<0.0168	94	88.6 - 107
Sulfate	12.1	mg/L	1	12.5	<0.0238	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110	0	20
Fluoride	2.34	mg/L	1	2.50	<0.0168	94	88.6 - 107	0	20
Sulfate	12.2	mg/L	1	12.5	<0.0238	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR
Prep Batch: 30875 QC Preparation: 2007-03-14 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.48	mg/L	1	2.50	<0.0153	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.48	mg/L	1	2.50	<0.0153	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR
Prep Batch: 30875 QC Preparation: 2007-03-14 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.53	mg/L	1	2.50	<0.0168	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.52	mg/L	1	2.50	<0.0168	101	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR
Prep Batch: 30875 QC Preparation: 2007-03-14 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.2	mg/L	1	12.5	<0.0350	98	90 - 110
Fluoride	2.40	mg/L	1	2.50	<0.0168	96	88.6 - 107
Sulfate	12.5	mg/L	1	12.5	<0.0238	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.2	mg/L	1	12.5	<0.0350	98	90 - 110	0	20
Fluoride	2.40	mg/L	1	2.50	<0.0168	96	88.6 - 107	0	20
Sulfate	12.5	mg/L	1	12.5	<0.0238	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.5	mg/L	1	12.5	<0.0350	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.6	mg/L	1	12.5	<0.0350	93	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.35	mg/L	1	2.50	<0.0168	94	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.36	mg/L	1	2.50	<0.0168	94	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.37	mg/L	1	2.50	<0.0153	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.37	mg/L	1	2.50	<0.0153	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.40	mg/L	1	2.50	<0.0168	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.41	mg/L	1	2.50	<0.0168	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.0	mg/L	1	12.5	<0.0238	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.1	mg/L	1	12.5	<0.0238	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR
Prep Batch: 31140 QC Preparation: 2007-03-21 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.39	mg/L	1	2.50	<0.0153	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.42	mg/L	1	2.50	<0.0153	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR
Prep Batch: 31140 QC Preparation: 2007-03-21 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.45	mg/L	1	2.50	<0.0168	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR
Prep Batch: 31140 QC Preparation: 2007-03-21 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.7	mg/L	1	12.5	<0.0350	94	90 - 110
Fluoride	2.39	mg/L	1	2.50	<0.0168	96	88.6 - 107
Sulfate	12.2	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110	1	20
Fluoride	2.39	mg/L	1	2.50	<0.0168	96	88.6 - 107	0	20
Sulfate	12.2	mg/L	1	12.5	<0.0238	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR
Prep Batch: 31142 QC Preparation: 2007-03-22 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.43	mg/L	1	2.50	<0.0153	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.44	mg/L	1	2.50	<0.0153	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR
Prep Batch: 31142 QC Preparation: 2007-03-22 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.48	mg/L	1	2.50	<0.0168	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.49	mg/L	1	2.50	<0.0168	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR
Prep Batch: 31142 QC Preparation: 2007-03-22 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110
Fluoride	2.42	mg/L	1	2.50	<0.0168	97	88.6 - 107
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110	0	20
Fluoride	2.42	mg/L	1	2.50	<0.0168	97	88.6 - 107	0	20
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR
Prep Batch: 31143 QC Preparation: 2007-03-23 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.42	mg/L	1	2.50	<0.0153	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.42	mg/L	1	2.50	<0.0153	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR
Prep Batch: 31143 QC Preparation: 2007-03-23 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.47	mg/L	1	2.50	<0.0168	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.47	mg/L	1	2.50	<0.0168	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR
Prep Batch: 31143 QC Preparation: 2007-03-23 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110
Fluoride	2.41	mg/L	1	2.50	<0.0168	96	88.6 - 107
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110	0	20
Fluoride	2.41	mg/L	1	2.50	<0.0168	96	88.6 - 107	0	20
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR
Prep Batch: 31234 QC Preparation: 2007-03-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.37	mg/L	1	2.50	<0.0153	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.38	mg/L	1	2.50	<0.0153	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR
Prep Batch: 31234 QC Preparation: 2007-03-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.43	mg/L	1	2.50	<0.0168	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.45	mg/L	1	2.50	<0.0168	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR
Prep Batch: 31234 QC Preparation: 2007-03-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.7	mg/L	1	12.5	<0.0350	94	90 - 110
Fluoride	2.38	mg/L	1	2.50	<0.0168	95	88.6 - 107
Sulfate	12.2	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110	1	20
Fluoride	2.38	mg/L	1	2.50	<0.0168	95	88.6 - 107	0	20
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER
Prep Batch: 30091 QC Preparation: 2007-02-14 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N [1]	12.0	mg/L	5	12.5	1.6349	83	90.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	[2]	11.9	mg/L	5	12.5	1.6349	82	90.5 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER
Prep Batch: 30091 QC Preparation: 2007-02-14 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	22.0	mg/L	5	12.5	9.8612	97	88.4 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	22.0	mg/L	5	12.5	9.8612	97	88.4 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER
Prep Batch: 30091 QC Preparation: 2007-02-14 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	134	mg/L	5	62.5	64.6063	111	10 - 188
Fluoride	13.2	mg/L	5	12.5	<0.0595	106	73.4 - 119
Sulfate	235	mg/L	5	62.5	182.778	84	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	139	mg/L	5	62.5	64.6063	119	10 - 188	4	20
Fluoride	13.1	mg/L	5	12.5	<0.0595	105	73.4 - 119	1	20
Sulfate	241	mg/L	5	62.5	182.778	93	83.1 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116581

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER
Prep Batch: 30133 QC Preparation: 2007-02-16 Prepared By: ER

continued . . .

[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N [3]	14.7	mg/L	5	12.5	<0.0640	118	90.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	14.2	mg/L	5	12.5	<0.0640	114	90.5 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116581

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER
Prep Batch: 30133 QC Preparation: 2007-02-16 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	16.0	mg/L	5	12.5	2.1399	111	88.4 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	15.7	mg/L	5	12.5	2.1399	108	88.4 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116108

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR
Prep Batch: 30177 QC Preparation: 2007-02-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	11.8	mg/L	5	12.5	<0.0840	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	11.8	mg/L	5	12.5	<0.0840	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116108

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR
Prep Batch: 30177 QC Preparation: 2007-02-09 Prepared By: JR

[3] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	16.6	mg/L	5	12.5	4.94	93	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	16.6	mg/L	5	12.5	4.94	93	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116108

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR
Prep Batch: 30177 QC Preparation: 2007-02-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	87.2	mg/L	5	62.5	31.1	90	90 - 110
Fluoride	11.7	mg/L	5	12.5	<0.0840	94	89.9 - 104
Sulfate	99.1	mg/L	5	62.5	42.9	90	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	87.2	mg/L	5	62.5	31.1	90	90 - 110	0	20
Fluoride	11.6	mg/L	5	12.5	<0.0840	93	89.9 - 104	1	20
Sulfate	99.3	mg/L	5	62.5	42.9	90	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116600

QC Batch: 34821 Date Analyzed: 2007-02-20 Analyzed By: ER
Prep Batch: 30209 QC Preparation: 2007-02-16 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	874	mg/L	50	625	140.501	117	10 - 188
Fluoride	138	mg/L	50	125	2.8349	108	73.4 - 119
Sulfate [4]	877	mg/L	50	625	151.669	116	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	876	mg/L	50	625	140.501	118	10 - 188	0	20
Fluoride	138	mg/L	50	125	2.8349	108	73.4 - 119	0	20
Sulfate [5]	889	mg/L	50	625	151.669	118	83.1 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[4] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 117175

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG
Prep Batch: 30355 QC Preparation: 2007-02-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.1	mg/L	5	12.5	<0.0840	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.1	mg/L	5	12.5	<0.0840	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117175

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG
Prep Batch: 30355 QC Preparation: 2007-02-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	22.0	mg/L	5	12.5	10.3	94	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	22.0	mg/L	5	12.5	10.3	94	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117175

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG
Prep Batch: 30355 QC Preparation: 2007-02-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	142	mg/L	5	62.5	84.2	92	90 - 110
Fluoride	11.8	mg/L	5	12.5	0.25	92	89.9 - 104
Sulfate	205	mg/L	5	62.5	143	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	143	mg/L	5	62.5	84.2	94	90 - 110	1	20
Fluoride	11.9	mg/L	5	12.5	0.25	93	89.9 - 104	1	20
Sulfate	205	mg/L	5	62.5	143	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.1	mg/L	5	12.5	<0.0840	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	11.6	mg/L	5	12.5	<0.0840	93	90 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	16.5	mg/L	5	12.5	4.68	94	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	16.2	mg/L	5	12.5	4.68	92	78.6 - 105	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR
Prep Batch: 30384 QC Preparation: 2007-02-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	96.5	mg/L	5	62.5	39.4	91	90 - 110
Fluoride	12.0	mg/L	5	12.5	0.34	93	89.9 - 104
Sulfate	126	mg/L	5	62.5	67.9	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		95.5	mg/L	5	62.5	39.4	90	90 - 110	1	20
Fluoride	[6]	11.4	mg/L	5	12.5	0.34	88	89.9 - 104	5	20
Sulfate		127	mg/L	5	62.5	67.9	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 117465

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.1	mg/L	5	12.5	<0.0840	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.2	mg/L	5	12.5	<0.0840	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117465

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N [7]	15.9	mg/L	5	12.5	6.94	72	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N [8]	15.9	mg/L	5	12.5	6.94	72	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117465

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR
Prep Batch: 30415 QC Preparation: 2007-02-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	87.2	mg/L	5	62.5	29	93	90 - 110
Fluoride	12.0	mg/L	5	12.5	0.38	93	89.9 - 104
Sulfate	109	mg/L	5	62.5	49.8	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	87.3	mg/L	5	62.5	29	93	90 - 110	0	20
Fluoride	12.0	mg/L	5	12.5	0.38	93	89.9 - 104	0	20
Sulfate	109	mg/L	5	62.5	49.8	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 117623

QC Batch: 35161 Date Analyzed: 2007-02-27 Analyzed By: JR
Prep Batch: 30516 QC Preparation: 2007-02-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	80.5	mg/L	5	62.5	21.2	95	90 - 110
Fluoride	12.0	mg/L	5	12.5	0.28	94	89.9 - 104
Sulfate	93.4	mg/L	5	62.5	33.4	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	80.4	mg/L	5	62.5	21.2	95	90 - 110	0	20
Fluoride	12.0	mg/L	5	12.5	0.28	94	89.9 - 104	0	20
Sulfate	93.3	mg/L	5	62.5	33.4	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117755

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR
Prep Batch: 30519 QC Preparation: 2007-02-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.2	mg/L	5	12.5	<0.0840	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.3	mg/L	5	12.5	<0.0840	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117755

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR
Prep Batch: 30519 QC Preparation: 2007-02-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	17.8	mg/L	5	12.5	6.11	94	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	17.8	mg/L	5	12.5	6.11	94	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117755

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR
Prep Batch: 30519 QC Preparation: 2007-02-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	124	mg/L	5	62.5	65	94	90 - 110
Fluoride	11.9	mg/L	5	12.5	0.38	92	89.9 - 104
Sulfate	113	mg/L	5	62.5	53.7	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	124	mg/L	5	62.5	65	94	90 - 110	0	20
Fluoride	12.0	mg/L	5	12.5	0.38	93	89.9 - 104	1	20
Sulfate	113	mg/L	5	62.5	53.7	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR
Prep Batch: 30817 QC Preparation: 2007-03-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.2	mg/L	5	12.5	<0.0765	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.2	mg/L	5	12.5	<0.0765	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR
Prep Batch: 30817 QC Preparation: 2007-03-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	13.5	mg/L	5	12.5	1.4	97	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	13.5	mg/L	5	12.5	1.4	97	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR
Prep Batch: 30817 QC Preparation: 2007-03-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	69.4	mg/L	5	62.5	10.9	94	90 - 110
Fluoride	12.0	mg/L	5	12.5	0.43	92	89.9 - 104
Sulfate	102	mg/L	5	62.5	44.4	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	69.5	mg/L	5	62.5	10.9	94	90 - 110	0	20
Fluoride	12.0	mg/L	5	12.5	0.43	92	89.9 - 104	0	20
Sulfate	102	mg/L	5	62.5	44.4	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118433

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR
Prep Batch: 30822 QC Preparation: 2007-03-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	122	mg/L	50	125	<0.765	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	122	mg/L	50	125	<0.765	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118433

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR
Prep Batch: 30822 QC Preparation: 2007-03-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	130	mg/L	50	125	18.3	89	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	130	mg/L	50	125	18.3	89	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118433

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR
Prep Batch: 30822 QC Preparation: 2007-03-09 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	889	mg/L	50	625	306	93	90 - 110
Fluoride	118	mg/L	50	125	<0.840	94	89.9 - 104
Sulfate	982	mg/L	50	625	402	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	890	mg/L	50	625	306	93	90 - 110	0	20
Fluoride	118	mg/L	50	125	<0.840	94	89.9 - 104	0	20
Sulfate	982	mg/L	50	625	402	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118908

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR
Prep Batch: 30875 QC Preparation: 2007-03-14 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.6	mg/L	5	12.5	<0.0765	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.4	mg/L	5	12.5	<0.0765	99	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118908

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR
Prep Batch: 30875 QC Preparation: 2007-03-14 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	19.8	mg/L	5	12.5	7.69	97	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	19.7	mg/L	5	12.5	7.69	96	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118908

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR
Prep Batch: 30875 QC Preparation: 2007-03-14 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	130	mg/L	5	62.5	68.1	99	90 - 110
Fluoride	12.3	mg/L	5	12.5	0.3	96	89.9 - 104
Sulfate	167	mg/L	5	62.5	108	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	130	mg/L	5	62.5	68.1	99	90 - 110	0	20
Fluoride	12.2	mg/L	5	12.5	0.3	95	89.9 - 104	1	20
Sulfate	168	mg/L	5	62.5	108	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	70.6	mg/L	5	62.5	13.6	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	70.6	mg/L	5	62.5	13.6	91	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	11.9	mg/L	5	12.5	0.44	92	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	11.9	mg/L	5	12.5	0.44	92	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	11.9	mg/L	5	12.5	<0.0765	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	11.9	mg/L	5	12.5	<0.0765	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	14.0	mg/L	5	12.5	2.13	95	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	14.0	mg/L	5	12.5	2.13	95	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR
Prep Batch: 31138 QC Preparation: 2007-03-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	104	mg/L	5	62.5	46.3	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	104	mg/L	5	62.5	46.3	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119424

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR
Prep Batch: 31140 QC Preparation: 2007-03-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.0	mg/L	5	12.5	<0.0765	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.0	mg/L	5	12.5	<0.0765	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119424

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR
Prep Batch: 31140 QC Preparation: 2007-03-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	13.4	mg/L	5	12.5	1.43	96	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	13.3	mg/L	5	12.5	1.43	95	78.6 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119424

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR
Prep Batch: 31140 QC Preparation: 2007-03-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	70.0	mg/L	5	62.5	11.2	94	90 - 110
Fluoride	12.2	mg/L	5	12.5	0.44	94	89.9 - 104
Sulfate	103	mg/L	5	62.5	46.1	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	68.7	mg/L	5	62.5	11.2	92	90 - 110	2	20
Fluoride	12.2	mg/L	5	12.5	0.44	94	89.9 - 104	0	20
Sulfate	103	mg/L	5	62.5	46.1	91	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119540

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR
Prep Batch: 31142 QC Preparation: 2007-03-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.1	mg/L	5	12.5	<0.0765	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.2	mg/L	5	12.5	<0.0765	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119540

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR
Prep Batch: 31142 QC Preparation: 2007-03-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	16.6	mg/L	5	12.5	4.59	96	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	16.7	mg/L	5	12.5	4.59	97	78.6 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119540

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR
Prep Batch: 31142 QC Preparation: 2007-03-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	95.2	mg/L	5	62.5	37	93	90 - 110
Fluoride	12.2	mg/L	5	12.5	0.37	95	89.9 - 104
Sulfate	124	mg/L	5	62.5	65.9	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	96.1	mg/L	5	62.5	37	94	90 - 110	1	20
Fluoride	12.3	mg/L	5	12.5	0.37	95	89.9 - 104	1	20
Sulfate	125	mg/L	5	62.5	65.9	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119830

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR
Prep Batch: 31143 QC Preparation: 2007-03-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	12.1	mg/L	5	12.5	<0.0765	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	12.2	mg/L	5	12.5	<0.0765	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119830

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR
Prep Batch: 31143 QC Preparation: 2007-03-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	16.1	mg/L	5	12.5	4.02	97	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	16.1	mg/L	5	12.5	4.02	97	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119830

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR
Prep Batch: 31143 QC Preparation: 2007-03-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.4	mg/L	5	62.5	38	95	90 - 110
Fluoride	12.2	mg/L	5	12.5	0.36	95	89.9 - 104
Sulfate	111	mg/L	5	62.5	51.1	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	97.5	mg/L	5	62.5	38	95	90 - 110	0	20
Fluoride	12.2	mg/L	5	12.5	0.36	95	89.9 - 104	0	20
Sulfate	111	mg/L	5	62.5	51.1	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120040

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR
Prep Batch: 31234 QC Preparation: 2007-03-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	11.9	mg/L	5	12.5	<0.0765	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	11.8	mg/L	5	12.5	<0.0765	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120040

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR
Prep Batch: 31234 QC Preparation: 2007-03-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	14.2	mg/L	5	12.5	2.29	95	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	14.2	mg/L	5	12.5	2.29	95	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120040

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR
Prep Batch: 31234 QC Preparation: 2007-03-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	71.7	mg/L	5	62.5	14.5	92	90 - 110
Fluoride	12.1	mg/L	5	12.5	0.46	93	89.9 - 104
Sulfate	108	mg/L	5	62.5	50.6	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	71.9	mg/L	5	62.5	14.5	92	90 - 110	0	20
Fluoride	12.1	mg/L	5	12.5	0.46	93	89.9 - 104	0	20
Sulfate	108	mg/L	5	62.5	50.6	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.52	101	90 - 110	2007-02-15

Standard (ICV-1)

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.52	101	90 - 110	2007-02-15

Standard (ICV-1)

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.3	98	90 - 110	2007-02-15
Fluoride		mg/L	2.50	2.57	103	90 - 110	2007-02-15
Sulfate		mg/L	12.5	12.5	100	90 - 110	2007-02-15

Standard (CCV-1)

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.56	102	90 - 110	2007-02-15

Standard (CCV-1)

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.54	102	90 - 110	2007-02-15

Standard (CCV-1)

QC Batch: 34685 Date Analyzed: 2007-02-15 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.4	99	90 - 110	2007-02-15

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.75	110	90 - 110	2007-02-15
Sulfate		mg/L	12.5	12.8	102	90 - 110	2007-02-15

Standard (ICV-1)

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.70	108	90 - 110	2007-02-16

Standard (ICV-1)

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.75	110	90 - 110	2007-02-16

Standard (CCV-1)

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.70	108	90 - 110	2007-02-16

Standard (CCV-1)

QC Batch: 34729 Date Analyzed: 2007-02-16 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.64	106	90 - 110	2007-02-16

Standard (ICV-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.31	92	90 - 110	2007-02-09

Standard (ICV-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.27	91	90 - 110	2007-02-09

Standard (ICV-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2007-02-09
Fluoride		mg/L	2.50	2.30	92	90 - 110	2007-02-09
Sulfate		mg/L	12.5	11.4	91	90 - 110	2007-02-09

Standard (CCV-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.31	92	90 - 110	2007-02-09

Standard (CCV-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.27	91	90 - 110	2007-02-09

Standard (CCV-1)

QC Batch: 34777 Date Analyzed: 2007-02-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2007-02-09
Fluoride		mg/L	2.50	2.29	92	90 - 110	2007-02-09
Sulfate		mg/L	12.5	11.3	90	90 - 110	2007-02-09

Standard (ICV-1)

QC Batch: 34821 Date Analyzed: 2007-02-20 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.5	108	90 - 110	2007-02-20
Fluoride		mg/L	2.50	2.68	107	90 - 110	2007-02-20
Sulfate		mg/L	12.5	13.1	105	90 - 110	2007-02-20

Standard (CCV-1)

QC Batch: 34821 Date Analyzed: 2007-02-20 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.7	110	90 - 110	2007-02-20
Fluoride		mg/L	2.50	2.68	107	90 - 110	2007-02-20
Sulfate		mg/L	12.5	13.7	110	90 - 110	2007-02-20

Standard (ICV-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.35	94	90 - 110	2007-02-21

Standard (ICV-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.31	92	90 - 110	2007-02-21

Standard (ICV-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-21
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-02-21
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-02-21

Standard (CCV-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.36	94	90 - 110	2007-02-21

Standard (CCV-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.32	93	90 - 110	2007-02-21

Standard (CCV-1)

QC Batch: 34978 Date Analyzed: 2007-02-21 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-21
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-02-21
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-02-21

Standard (ICV-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.36	94	90 - 110	2007-02-22

Standard (ICV-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.31	92	90 - 110	2007-02-22

Standard (ICV-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-22

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standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-02-22
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-02-22

Standard (CCV-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.36	94	90 - 110	2007-02-22

Standard (CCV-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.31	92	90 - 110	2007-02-22

Standard (CCV-1)

QC Batch: 35010 Date Analyzed: 2007-02-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-22
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-02-22
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-02-22

Standard (ICV-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.36	94	90 - 110	2007-02-23

Standard (ICV-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.32	93	90 - 110	2007-02-23

Standard (ICV-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-23
Fluoride		mg/L	2.50	2.35	94	90 - 110	2007-02-23
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-02-23

Standard (CCV-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.37	95	90 - 110	2007-02-23

Standard (CCV-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.32	93	90 - 110	2007-02-23

Standard (CCV-1)

QC Batch: 35042 Date Analyzed: 2007-02-23 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-23
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-02-23
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-02-23

Standard (ICV-1)

QC Batch: 35161 Date Analyzed: 2007-02-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-02-27
Fluoride		mg/L	2.50	2.40	96	90 - 110	2007-02-27
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-02-27

Standard (CCV-1)

QC Batch: 35161 Date Analyzed: 2007-02-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-02-27
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-02-27
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-02-27

Standard (ICV-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.37	95	90 - 110	2007-02-28

Standard (ICV-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.32	93	90 - 110	2007-02-28

Standard (ICV-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-02-28
Fluoride		mg/L	2.50	2.35	94	90 - 110	2007-02-28
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-02-28

Standard (CCV-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.38	95	90 - 110	2007-02-28

Standard (CCV-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.32	93	90 - 110	2007-02-28

Standard (CCV-1)

QC Batch: 35165 Date Analyzed: 2007-02-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-02-28
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-02-28
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-02-28

Standard (ICV-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.37	95	90 - 110	2007-03-08

Standard (ICV-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.33	93	90 - 110	2007-03-08

Standard (ICV-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-03-08

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.35	94	90 - 110	2007-03-08
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-03-08

Standard (CCV-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.38	95	90 - 110	2007-03-08

Standard (CCV-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.35	94	90 - 110	2007-03-08

Standard (CCV-1)

QC Batch: 35518 Date Analyzed: 2007-03-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-03-08
Fluoride		mg/L	2.50	2.35	94	90 - 110	2007-03-08
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-03-08

Standard (ICV-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.38	95	90 - 110	2007-03-09

Standard (ICV-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.34	94	90 - 110	2007-03-09

Standard (ICV-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-03-09
Fluoride		mg/L	2.50	2.33	93	90 - 110	2007-03-09
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-03-09

Standard (CCV-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.38	95	90 - 110	2007-03-09

Standard (CCV-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.34	94	90 - 110	2007-03-09

Standard (CCV-1)

QC Batch: 35523 Date Analyzed: 2007-03-09 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-03-09
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-03-09
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-03-09

Standard (ICV-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.42	97	90 - 110	2007-03-14

Standard (ICV-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.40	96	90 - 110	2007-03-14

Standard (ICV-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2007-03-14
Fluoride		mg/L	2.50	2.41	96	90 - 110	2007-03-14
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-03-14

Standard (CCV-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.44	98	90 - 110	2007-03-14

Standard (CCV-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.42	97	90 - 110	2007-03-14

Standard (CCV-1)

QC Batch: 35593 Date Analyzed: 2007-03-14 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2007-03-14

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2007-03-14
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-03-14

Standard (ICV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.5	92	90 - 110	2007-03-20

Standard (ICV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.33	93	90 - 110	2007-03-20

Standard (ICV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.33	93	90 - 110	2007-03-20

Standard (ICV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.27	91	90 - 110	2007-03-20

Standard (ICV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.4	91	90 - 110	2007-03-20

Standard (CCV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.6	93	90 - 110	2007-03-20

Standard (CCV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.31	92	90 - 110	2007-03-20

Standard (CCV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.34	94	90 - 110	2007-03-20

Standard (CCV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.29	92	90 - 110	2007-03-20

Standard (CCV-1)

QC Batch: 35880 Date Analyzed: 2007-03-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-03-20

Standard (ICV-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.34	94	90 - 110	2007-03-21

Standard (ICV-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.28	91	90 - 110	2007-03-21

Standard (ICV-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.5	92	90 - 110	2007-03-21
Fluoride		mg/L	2.50	2.33	93	90 - 110	2007-03-21
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-03-21

Standard (CCV-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.37	95	90 - 110	2007-03-21

Standard (CCV-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.32	93	90 - 110	2007-03-21

Standard (CCV-1)

QC Batch: 35882 Date Analyzed: 2007-03-21 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-03-21

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.35	94	90 - 110	2007-03-21
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-03-21

Standard (ICV-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.36	94	90 - 110	2007-03-22

Standard (ICV-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.31	92	90 - 110	2007-03-22

Standard (ICV-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-03-22
Fluoride		mg/L	2.50	2.36	94	90 - 110	2007-03-22
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-03-22

Standard (CCV-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.40	96	90 - 110	2007-03-22

Standard (CCV-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.35	94	90 - 110	2007-03-22

Standard (CCV-1)

QC Batch: 35885 Date Analyzed: 2007-03-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-03-22
Fluoride		mg/L	2.50	2.38	95	90 - 110	2007-03-22
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-03-22

Standard (ICV-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.35	94	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.29	92	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.6	93	90 - 110	2007-03-23
Fluoride		mg/L	2.50	2.34	94	90 - 110	2007-03-23
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.40	96	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.36	94	90 - 110	2007-03-23

Standard (CCV-1)

QC Batch: 35886 Date Analyzed: 2007-03-23 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-03-23
Fluoride		mg/L	2.50	2.39	96	90 - 110	2007-03-23
Sulfate		mg/L	12.5	11.9	95	90 - 110	2007-03-23

Standard (ICV-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.34	94	90 - 110	2007-03-27

Standard (ICV-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.30	92	90 - 110	2007-03-27

Standard (ICV-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-03-27

continued . . .

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.36	94	90 - 110	2007-03-27
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-03-27

Standard (CCV-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.36	94	90 - 110	2007-03-27

Standard (CCV-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.33	93	90 - 110	2007-03-27

Standard (CCV-1)

QC Batch: 35997 Date Analyzed: 2007-03-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-03-27
Fluoride		mg/L	2.50	2.35	94	90 - 110	2007-03-27
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-03-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34765	Date Analyzed:	2007-02-09	Analyzed By:	DR
Prep Batch:	30165	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.77**	s.u.	1	0.00

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34765	Date Analyzed:	2007-02-09	Analyzed By:	DR
Prep Batch:	30165	Sample Preparation:	2007-02-09	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.62**	s.u.	1	0.00

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34767	Date Analyzed:	2007-02-14	Analyzed By:	DR
Prep Batch:	30167	Sample Preparation:	2007-02-14	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.74**	s.u.	1	0.00

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34766	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30166	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.58**	s.u.	1	0.00

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34766	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30166	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.64**	s.u.	1	0.00

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34766	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30166	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.61**	s.u.	1	0.00

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34772	Date Analyzed:	2007-02-16	Analyzed By:	DR
Prep Batch:	30168	Sample Preparation:	2007-02-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.69**	s.u.	1	0.00

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34771	Date Analyzed:	2007-02-15	Analyzed By:	JG
Prep Batch:	30172	Sample Preparation:	2007-02-15	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.83**	s.u.	1	0.00

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34771	Date Analyzed:	2007-02-15	Analyzed By:	JG
Prep Batch:	30172	Sample Preparation:	2007-02-15	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.90**	s.u.	1	0.00

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34971	Date Analyzed:	2007-02-21	Analyzed By:	DR
Prep Batch:	30349	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.49**		s.u.	1	0.00

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34971	Date Analyzed:	2007-02-21	Analyzed By:	DR
Prep Batch:	30349	Sample Preparation:	2007-02-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34972	Date Analyzed:	2007-02-22	Analyzed By:	DR
Prep Batch:	30350	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.72**		s.u.	1	0.00

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	34972	Date Analyzed:	2007-02-22	Analyzed By:	DR
Prep Batch:	30350	Sample Preparation:	2007-02-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.49**		s.u.	1	0.00

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35008	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30381	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.77**		s.u.	1	0.00

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35008	Date Analyzed:	2007-02-23	Analyzed By:	DR
Prep Batch:	30381	Sample Preparation:	2007-02-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35133	Date Analyzed:	2007-02-27	Analyzed By:	DR
Prep Batch:	30490	Sample Preparation:	2007-02-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.66**		s.u.	1	0.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35176	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30528	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.69**		s.u.	1	0.00

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35176	Date Analyzed:	2007-02-28	Analyzed By:	DR
Prep Batch:	30528	Sample Preparation:	2007-02-28	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.39**		s.u.	1	0.00

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35478	Date Analyzed:	2007-03-08	Analyzed By:	DR
Prep Batch:	30792	Sample Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.76**		s.u.	1	0.00

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35479	Date Analyzed:	2007-03-09	Analyzed By:	DR
Prep Batch:	30793	Sample Preparation:	2007-03-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**8.73**		s.u.	1	0.00

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35660	Date Analyzed:	2007-03-14	Analyzed By:	DR
Prep Batch:	30934	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35660	Date Analyzed:	2007-03-14	Analyzed By:	DR
Prep Batch:	30934	Sample Preparation:	2007-03-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.77**		s.u.	1	0.00

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35906	Date Analyzed:	2007-03-20	Analyzed By:	DR
Prep Batch:	31155	Sample Preparation:	2007-03-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.83**		s.u.	1	0.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35900	Date Analyzed:	2007-03-21	Analyzed By:	DR
Prep Batch:	31162	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.82**		s.u.	1	0.00

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35900	Date Analyzed:	2007-03-21	Analyzed By:	DR
Prep Batch:	31162	Sample Preparation:	2007-03-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**6.68**		s.u.	1	0.00

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35902	Date Analyzed:	2007-03-22	Analyzed By:	DR
Prep Batch:	31165	Sample Preparation:	2007-03-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.73**		s.u.	1	0.00

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35904	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31167	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.82**		s.u.	1	0.00

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	35904	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31167	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.54**		s.u.	1	0.00

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	36006	Date Analyzed:	2007-03-27	Analyzed By:	DR
Prep Batch:	31240	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.15**		s.u.	1	0.00

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	36006	Date Analyzed:	2007-03-27	Analyzed By:	DR
Prep Batch:	31240	Sample Preparation:	2007-03-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**4.96**	s.u.	1	0.00

Duplicates (1)

QC Batch:	34765	Date Analyzed:	2007-02-09	Analyzed By:	DR
Prep Batch:	30165	QC Preparation:	2007-02-09	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.80	7.77	s.u.	1	0	20

Duplicates (1)

QC Batch:	34766	Date Analyzed:	2007-02-13	Analyzed By:	DR
Prep Batch:	30166	QC Preparation:	2007-02-13	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.58	7.58	s.u.	1	0	20

Duplicates (1)

QC Batch:	34767	Date Analyzed:	2007-02-14	Analyzed By:	DR
Prep Batch:	30167	QC Preparation:	2007-02-14	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	6.94	6.96	s.u.	1	0	20

Duplicates (1)

QC Batch:	34771	Date Analyzed:	2007-02-15	Analyzed By:	JG
Prep Batch:	30172	QC Preparation:	2007-02-15	Prepared By:	JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.82	7.83	s.u.	1	0	20

Duplicates (1)

QC Batch: 34772 Date Analyzed: 2007-02-16 Analyzed By: DR
Prep Batch: 30168 QC Preparation: 2007-02-16 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.69	7.69	s.u.	1	0	20

Duplicates (1)

QC Batch: 34971 Date Analyzed: 2007-02-21 Analyzed By: DR
Prep Batch: 30349 QC Preparation: 2007-02-21 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.75	7.75	s.u.	1	0	20

Duplicates (1)

QC Batch: 34972 Date Analyzed: 2007-02-22 Analyzed By: DR
Prep Batch: 30350 QC Preparation: 2007-02-22 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.49	7.49	s.u.	1	0	20

Duplicates (1)

QC Batch: 35008 Date Analyzed: 2007-02-23 Analyzed By: DR
Prep Batch: 30381 QC Preparation: 2007-02-23 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.78	7.77	s.u.	1	0	20

Duplicates (1)

QC Batch: 35133 Date Analyzed: 2007-02-27 Analyzed By: DR
Prep Batch: 30490 QC Preparation: 2007-02-27 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.69	7.66	s.u.	1	0	20

Duplicates (1)

QC Batch: 35176 Date Analyzed: 2007-02-28 Analyzed By: DR
Prep Batch: 30528 QC Preparation: 2007-02-28 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.39	7.39	s.u.	1	0	20

Duplicates (1)

QC Batch: 35478 Date Analyzed: 2007-03-08 Analyzed By: DR
Prep Batch: 30792 QC Preparation: 2007-03-08 Prepared By: BL

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.80	7.76	s.u.	1	0	20

Duplicates (1)

QC Batch: 35479 Date Analyzed: 2007-03-09 Analyzed By: DR
Prep Batch: 30793 QC Preparation: 2007-03-09 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.75	8.73	s.u.	1	0	20

Duplicates (1)

QC Batch: 35660 Date Analyzed: 2007-03-14 Analyzed By: DR
Prep Batch: 30934 QC Preparation: 2007-03-14 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.79	7.77	s.u.	1	0	20

Duplicates (1)

QC Batch: 35900 Date Analyzed: 2007-03-21 Analyzed By: DR
Prep Batch: 31162 QC Preparation: 2007-03-21 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.80	7.82	s.u.	1	0	20

Duplicates (1)

QC Batch: 35902 Date Analyzed: 2007-03-22 Analyzed By: DR
Prep Batch: 31165 QC Preparation: 2007-03-22 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.72	7.73	s.u.	1	0	20

Duplicates (1)

QC Batch: 35904 Date Analyzed: 2007-03-23 Analyzed By: DR
Prep Batch: 31167 QC Preparation: 2007-03-23 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.82	7.82	s.u.	1	0	20

Duplicates (1)

QC Batch: 35906 Date Analyzed: 2007-03-20 Analyzed By: DR
Prep Batch: 31155 QC Preparation: 2007-03-20 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.83	7.83	s.u.	1	0	20

Duplicates (1)

QC Batch: 36006 Date Analyzed: 2007-03-27 Analyzed By: DR
Prep Batch: 31240 QC Preparation: 2007-03-27 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.15	7.15	s.u.	1	0	20

Standard (ICV-1)

QC Batch: 34765 Date Analyzed: 2007-02-09 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-02-09

Standard (CCV-1)

QC Batch: 34765 Date Analyzed: 2007-02-09 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-02-09

Standard (ICV-1)

QC Batch: 34766 Date Analyzed: 2007-02-13 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-02-13

Standard (CCV-1)

QC Batch: 34766 Date Analyzed: 2007-02-13 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.04	100	98.8 - 101	2007-02-13

Standard (ICV-1)

QC Batch: 34767 Date Analyzed: 2007-02-14 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-02-14

Standard (CCV-1)

QC Batch: 34767 Date Analyzed: 2007-02-14 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-02-14

Standard (ICV-1)

QC Batch: 34771 Date Analyzed: 2007-02-15 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-02-15

Standard (CCV-1)

QC Batch: 34771 Date Analyzed: 2007-02-15 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-02-15

Standard (ICV-1)

QC Batch: 34772 Date Analyzed: 2007-02-16 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-02-16

Standard (CCV-1)

QC Batch: 34772 Date Analyzed: 2007-02-16 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-02-16

Standard (ICV-1)

QC Batch: 34971 Date Analyzed: 2007-02-21 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-02-21

Standard (CCV-1)

QC Batch: 34971 Date Analyzed: 2007-02-21 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-02-21

Standard (ICV-1)

QC Batch: 34972 Date Analyzed: 2007-02-22 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.93	99	98.8 - 101	2007-02-22

Standard (CCV-1)

QC Batch: 34972 Date Analyzed: 2007-02-22 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-02-22

Standard (ICV-1)

QC Batch: 35008 Date Analyzed: 2007-02-23 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.94	99	98.8 - 101	2007-02-23

Standard (CCV-1)

QC Batch: 35008 Date Analyzed: 2007-02-23 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-02-23

Standard (ICV-1)

QC Batch: 35133 Date Analyzed: 2007-02-27 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-02-27

Standard (CCV-1)

QC Batch: 35133 Date Analyzed: 2007-02-27 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-02-27

Standard (ICV-1)

QC Batch: 35176 Date Analyzed: 2007-02-28 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-02-28

Standard (CCV-1)

QC Batch: 35176 Date Analyzed: 2007-02-28 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-02-28

Standard (ICV-1)

QC Batch: 35478 Date Analyzed: 2007-03-08 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-03-08

Standard (CCV-1)

QC Batch: 35478 Date Analyzed: 2007-03-08 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-03-08

Standard (ICV-1)

QC Batch: 35479 Date Analyzed: 2007-03-09 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-03-09

Standard (CCV-1)

QC Batch: 35479 Date Analyzed: 2007-03-09 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-03-09

Standard (ICV-1)

QC Batch: 35660 Date Analyzed: 2007-03-14 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.93	99	98.8 - 101	2007-03-14

Standard (CCV-1)

QC Batch: 35660 Date Analyzed: 2007-03-14 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-03-14

Standard (ICV-1)

QC Batch: 35900 Date Analyzed: 2007-03-21 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-03-21

Standard (CCV-1)

QC Batch: 35900 Date Analyzed: 2007-03-21 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.04	100	98.8 - 101	2007-03-21

Standard (ICV-1)

QC Batch: 35902 Date Analyzed: 2007-03-22 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.94	99	98.8 - 101	2007-03-22

Standard (CCV-1)

QC Batch: 35902 Date Analyzed: 2007-03-22 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98.8 - 101	2007-03-22

Standard (ICV-1)

QC Batch: 35904 Date Analyzed: 2007-03-23 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-03-23

Standard (CCV-1)

QC Batch: 35904 Date Analyzed: 2007-03-23 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.05	101	98.8 - 101	2007-03-23

Standard (ICV-1)

QC Batch: 35906 Date Analyzed: 2007-03-20 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-03-20

Standard (CCV-1)

QC Batch: 35906 Date Analyzed: 2007-03-20 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-03-20

Standard (ICV-1)

QC Batch: 36006 Date Analyzed: 2007-03-27 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-03-27

Standard (CCV-1)

QC Batch: 36006 Date Analyzed: 2007-03-27 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.04	100	98.8 - 101	2007-03-27

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

STL Denver Lot: D7C060183

Nell Green

Trace Analysis, Inc.
6701 Aberdeen Avenue
Lubbock, TX 79424

Patrick J. McEntee
Project Manager

March 13, 2007

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the analytical methods summary page in accordance with the method indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D7C060183

Sample Receiving
STL Denver received six aqueous samples under chain of custody on March 6, 2007.

The cooler temperature at receipt was acceptable at 4.6°C.

The sample was received without a custody seal on the cooler. No times of sample collection were provided on the chain of custody or container labels.

The sample containers were received intact.

Holding Times
All analysis was performed within prescribed holding time.

Method SM18 4500-CN-I, Free Cyanide
No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D7C060183

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
117465 02/22/07 004				
Free Cyanide (4500-CN-I)	0.0058 B	0.010	mg/L	SM18 4500-CN-I

METHODS SUMMARY

D7C060183

PARAMETER		ANALYTICAL METHOD	PREPARATION METHOD
Free Cyanide (4500-CN-I)	Free Cyanide (4500-CN-I)	SM18 4500-CN-I	SM18 4500CN-E

References:

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

METHOD / ANALYST SUMMARY

D7C060183

ANALYTICAL METHOD	ANALYST	ANALYST ID
SM18 4500-CN-I	Eva Jonska-Muteba	004988

References:

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

D7C060183

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JQH72	001	117623	02/26/07	
JQH76	002	117755	02/27/07	
JQH78	003	117757	02/27/07	
JQH8A	004	117465	02/22/07	
JQH8C	005	117286	02/21/07	
JQH8F	006	117467	02/22/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Trace Analysis Inc

Client Sample ID: 117623

General Chemistry

Lot-Sample #...: D7C060183-001 **Work Order #...:** JQH72 **Matrix.....:** WATER
Date Sampled...: 02/26/07 **Date Received..:** 03/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/07-03/08/07	7066461

Dilution Factor: 1 Analysis Time..: 11:00 MDL.....: 0.0028

Trace Analysis Inc

Client Sample ID: 117755

General Chemistry

Lot-Sample #...: D7C060183-002 **Work Order #...:** JQH76 **Matrix.....:** WATER
Date Sampled...: 02/27/07 **Date Received..:** 03/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/07-03/08/07	7066461

Dilution Factor: 1 Analysis Time..: 11:00 MDL.....: 0.0028

Trace Analysis Inc

Client Sample ID: 117757

General Chemistry

Lot-Sample #...: D7C060183-003 **Work Order #...:** JQH78 **Matrix.....:** WATER
Date Sampled...: 02/27/07 **Date Received..:** 03/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/07/07	7066461

Dilution Factor: 1 Analysis Time..: 10:00 MDL.....: 0.0028

Trace Analysis Inc

Client Sample ID: 117465

General Chemistry

Lot-Sample #...: D7C060183-004 **Work Order #...:** JQH8A **Matrix.....:** WATER
Date Sampled...: 02/22/07 **Date Received..:** 03/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	**0.0058 B**	**0.010**	**mg/L**	**SM18 4500-CN-I**	**03/07-03/08/07**	**7066461**

Dilution Factor: 1 Analysis Time..: 11:00 MDL.....: 0.0028

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Trace Analysis Inc

Client Sample ID: 117286

General Chemistry

Lot-Sample #...: D7C060183-005 **Work Order #...:** JQH8C **Matrix.....:** WATER
Date Sampled...: 02/21/07 **Date Received..:** 03/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/07/07	7066461

Dilution Factor: 1 Analysis Time..: 10:00 MDL.....: 0.0028

Trace Analysis Inc

Client Sample ID: 117467

General Chemistry

Lot-Sample #...: D7C060183-006 **Work Order #...:** JQH8F **Matrix.....:** WATER
Date Sampled...: 02/22/07 **Date Received..:** 03/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/07/07	7066461

Dilution Factor: 1 Analysis Time..: 10:00 MDL.....: 0.0028

QC DATA ASSOCIATION SUMMARY

D7C060183

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SM18 4500-CN-I		7066461	7067096
002	WATER	SM18 4500-CN-I		7066461	7067096
003	WATER	SM18 4500-CN-I		7066461	7067096
004	WATER	SM18 4500-CN-I		7066461	7067096
005	WATER	SM18 4500-CN-I		7066461	7067096
006	WATER	SM18 4500-CN-I		7066461	7067096

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7C060183 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	Work Order #: JQM171AA			MB Lot-Sample #:	D7C070000-461	
	ND	0.010	mg/L	SM18 4500-CN-I	03/07/07	7066461
	Dilution Factor: 1					
	Analysis Time..: 10:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7C060183 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I) WO#:JQM171AC-LCS/JQM171AD-LCSD LCS Lot-Sample#: D7C070000-461							
	96	(75 - 120)			SM18 4500-CN-I	03/07/07	7066461
	96	(75 - 120)	0.31	(0-24)	SM18 4500-CN-I	03/07/07	7066461

Dilution Factor: 1 Analysis Time..: 10:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7C060183 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I) WO#:JQM171AC-LCS/JQM171AD-LCSD LCS Lot-Sample#: D7C070000-461								
	0.100	0.0956	mg/L	96		SM18 4500-CN-I	03/07/07	7066461
	0.100	0.0959	mg/L	96	0.31	SM18 4500-CN-I	03/07/07	7066461

Dilution Factor: 1 Analysis Time..: 10:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7C060183 **Matrix.....:** WATER
Date Sampled...: 02/26/07 **Date Received..:** 03/06/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)	WO#: JQH721AC-MS/JQH721AD-MSD				MS Lot-Sample #: D7C060183-001		
	98	(75 - 120)			SM18 4500-CN-I	03/07-03/08/07	7066461
	98	(75 - 120)	0.20	(0-24)	SM18 4500-CN-I	03/07-03/08/07	7066461

Dilution Factor: 1
Analysis Time..: 11:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7C060183 **Matrix.....:** WATER
Date Sampled...: 02/26/07 **Date Received..:** 03/06/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)			WO#: JQH721AC-MS/JQH721AD-MSD				MS Lot-Sample #: D7C060183-001		
	ND	0.100	0.0979	mg/L	98		SM18 4500-CN-	03/07-03/08/07	7066461
	ND	0.100	0.0977	mg/L	98	0.20	SM18 4500-CN-	03/07-03/08/07	7066461

Dilution Factor: 1
Analysis Time..: 11:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

4.6°C 3.6.07 IR1

LAB Order ID # _____ Page _____ of _____

TraceAnalysis, Inc.

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Fax (915) 585-4944
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6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: _____ **Phone #:** _____

Address: (Street, City, Zip) _____ **Fax #:** _____

Contact Person: Nell Green **E-mail:** _____

Invoice to: (If different from above) _____

Project #: _____ **Project Name:** _____

Project Location (including state): _____ **Sampler Signature:** _____

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	117623	1		✓							✓			2.26.07	
	117755	1		✓							✓			2.27.07	
	117757	1		✓							✓			2.27.07	
	117465	1		✓							✓			2-22-07	
	117286	1		✓							✓			2.21.07	
	117467	1		✓							✓			2.22.07	

ANALYSIS REQUEST (Circle or Specify Method No.)	Free Cl
MTBE 8021B / 602 / 8260B / 624	
BTEX 8021B / 602 / 8260B / 624	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270C / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C / 625	
PCB's 8082 / 608	
Pesticides 8081A / 608	
BOD, TSS, pH	
Moisture Content	X
	X
	X
	X
	X
	X
Turn Around Time if different from standard	
Hold	

Relinquished by:	**Date:**	**Time:**	**Received by:**
[signature]	3.5.07		
Relinquished by:	**Date:**	**Time:**	**Received by:**
Relinquished by:	**Date:**	**Time:**	**Received at Laboratory by:** [signature]

Date: 3/6/07 **Time:** 0900

LAB USE ONLY

Intact ___ Y / N

Headspace ___ Y / N

Temp ___ °

Log-in-Review ___

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

work_order	sample	field_code	matrix	received_d	received_ti	collect_dat	collect_tim	qctype
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
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7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
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7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
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7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
7021204	116108	MNPL-MPI	water	2/8/2007	17:15:00	2/8/2007	14:55:00	
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test	method	units	dilution	surrogate	param	cas	mdl_sign	mdl_result
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		76
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		416
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.092
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium	<	0.00357
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium	<	0.00105
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.003
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			31.1
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.33
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			42.9
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		4.94
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.77
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		256
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.221
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		1.96
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.39
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		1.14
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.9
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		88
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		88
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		570
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.058
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.00357
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium		<	0.00105
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.003
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			48.2

Ion Chrom	E 300.0	mg/L	1	no	Fluoride		<	0.0168
Ion Chrom	E 300.0	mg/L	5	no	Sulfate			68.9
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		5.9
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.62
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		368
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.175
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.11
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.54
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.2
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.41
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.6

Volatiles W	S 8260B	ug/L		1	yes	4-Bromoflu	460-00-4			47.2
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A			88
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A			88
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5	<		0.00402
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7	<		0.82
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A			809
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Silver	<		0.000199
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Arsenic	<		0.0043
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Barium			0.072
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Beryllium	<		0.000178
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Cadmium	<		0.000577
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Cobalt	<		0.00293
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Chromium	<		0.00357
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Copper	<		0.0014
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Nickel	<		0.00045
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Lead	<		0.00398
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Antimony	<		0.0116
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Selenium	<		0.00556
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Tin	<		0.00759
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Thallium	<		0.0189
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Vanadium			0.004
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Zinc			0.006
Hg, Total	S 7470A	mg/L		1	no	Total Merc	7439-97-6	<		2.17E-05
Ion Chroma	E 300.0	mg/L		5	no	Chloride				89.8
Ion Chroma	E 300.0	mg/L		5	no	Fluoride				1.18
Ion Chroma	E 300.0	mg/L		5	no	Sulfate				175
NO2 (IC)	E 300.0	mg/L		5	no	Nitrite-N	14797-65-0			1.87
NO3 (IC)	E 300.0	mg/L		5	no	Nitrate-N	14797-55-8			9.68
pH	SM 4500-H	s.u.		1	no	pH	N/A			7.74
TDS	SM 2540C	mg/L		1	no	Total Disso	N/A			526
Total Cyan	SM 4500-C	mg/L		2	no	Total Cyan	57-12-5			0.454
Volatiles W	S 8260B	ug/L		1	no	Bromochlo	74-97-5	<		0.0699
Volatiles W	S 8260B	ug/L		1	no	Dichlorodifl	75-71-8	<		0.0598
Volatiles W	S 8260B	ug/L		1	no	Chlorometh	74-87-3	<		0.23
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4	<		0.0902
Volatiles W	S 8260B	ug/L		1	no	Bromometh	74-83-9	<		0.74
Volatiles W	S 8260B	ug/L		1	no	Chloroetha	75-00-3	<		0.195
Volatiles W	S 8260B	ug/L		1	no	Trichloroflu	75-69-4	<		0.16
Volatiles W	S 8260B	ug/L		1	no	Acetone	67-64-1	<		0.854
Volatiles W	S 8260B	ug/L		1	no	Iodomethan	74-88-4	<		0.112
Volatiles W	S 8260B	ug/L		1	no	Carbon Dis	75-15-0	<		0.0764
Volatiles W	S 8260B	ug/L		1	no	Acrylonitrile	107-13-1	<		0.184
Volatiles W	S 8260B	ug/L		1	no	2-Butanone	78-93-3	<		0.394
Volatiles W	S 8260B	ug/L		1	no	4-Methyl-2-	108-10-1	<		0.484
Volatiles W	S 8260B	ug/L		1	no	2-Hexanon	591-78-6	<		0.0975
Volatiles W	S 8260B	ug/L		1	no	trans 1,4-D	110-57-6	<		0.42
Volatiles W	S 8260B	ug/L		1	no	1,1-Dichlor	75-35-4	<		0.0736
Volatiles W	S 8260B	ug/L		1	no	Methylene	75-09-2	<		0.689
Volatiles W	S 8260B	ug/L		1	no	MTBE	1634-04-4	<		0.0504
Volatiles W	S 8260B	ug/L		1	no	trans-1,2-D	156-60-5	<		0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.12
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.5
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.37
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		0.06
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.9
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		124
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		124
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		818
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.00357
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium		<	0.00105
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.003
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			64.6

Ion Chrom	E 300.0	mg/L	5	no	Fluoride		<	0.0595
Ion Chrom	E 300.0	mg/L	5	no	Sulfate			183
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		1.63
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		9.86
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.58
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		510
Total Cyan	SM 4500-C	mg/L	2	no	Total Cyan	57-12-5		0.341
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		22.5
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroet	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dic	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.43
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.6

Volatiles W	S 8260B	ug/L		1	yes	4-Bromoflu	460-00-4			47.7
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A			104
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A			104
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5			0.439
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7	<		0.82
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A			712
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Silver	<		0.000199
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Arsenic	<		0.0043
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Barium			0.048
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Beryllium	<		0.000178
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Cadmium	<		0.000577
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Cobalt	<		0.00293
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Chromium	<		0.00357
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Copper	<		0.0014
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Nickel	<		0.00045
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Lead	<		0.00398
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Antimony	<		0.0116
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Selenium	<		0.00556
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Tin	<		0.00759
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Thallium	<		0.0189
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Vanadium			0.003
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Zinc	<		0.003
Hg, Total	S 7470A	mg/L		1	no	Total Merc	7439-97-6	<		2.17E-05
Ion Chroma	E 300.0	mg/L		5	no	Chloride				98.4
Ion Chroma	E 300.0	mg/L		5	no	Fluoride		<		0.0595
Ion Chroma	E 300.0	mg/L		5	no	Sulfate				160
NO2 (IC)	E 300.0	mg/L		5	no	Nitrite-N	14797-65-0			2.01
NO3 (IC)	E 300.0	mg/L		5	no	Nitrate-N	14797-55-8			8.17
pH	SM 4500-H	s.u.		1	no	pH	N/A			7.64
TDS	SM 2540C	mg/L		1	no	Total Disso	N/A			478
Total Cyan	SM 4500-C	mg/L		2	no	Total Cyan	57-12-5			0.462
Volatiles W	S 8260B	ug/L		1	no	Bromochlo	74-97-5	<		0.0699
Volatiles W	S 8260B	ug/L		1	no	Dichlorodifl	75-71-8	<		0.0598
Volatiles W	S 8260B	ug/L		1	no	Chlorometh	74-87-3	<		0.23
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4	<		0.0902
Volatiles W	S 8260B	ug/L		1	no	Bromometh	74-83-9	<		0.74
Volatiles W	S 8260B	ug/L		1	no	Chloroetha	75-00-3	<		0.195
Volatiles W	S 8260B	ug/L		1	no	Trichloroflu	75-69-4	<		0.16
Volatiles W	S 8260B	ug/L		1	no	Acetone	67-64-1	<		0.854
Volatiles W	S 8260B	ug/L		1	no	Iodomethan	74-88-4	<		0.112
Volatiles W	S 8260B	ug/L		1	no	Carbon Dis	75-15-0	<		0.0764
Volatiles W	S 8260B	ug/L		1	no	Acrylonitrile	107-13-1	<		0.184
Volatiles W	S 8260B	ug/L		1	no	2-Butanone	78-93-3	<		0.394
Volatiles W	S 8260B	ug/L		1	no	4-Methyl-2-	108-10-1	<		0.484
Volatiles W	S 8260B	ug/L		1	no	2-Hexanon	591-78-6	<		0.0975
Volatiles W	S 8260B	ug/L		1	no	trans 1,4-D	110-57-6	<		0.42
Volatiles W	S 8260B	ug/L		1	no	1,1-Dichlor	75-35-4	<		0.0736
Volatiles W	S 8260B	ug/L		1	no	Methylene	75-09-2	<		0.689
Volatiles W	S 8260B	ug/L		1	no	MTBE	1634-04-4	<		0.0504
Volatiles W	S 8260B	ug/L		1	no	trans-1,2-D	156-60-5	<		0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		51.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		18.9
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.16
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		106
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		106
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.163
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		710
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.045
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.008
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.003
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.003
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			166

Ion Chrom	E 300.0	mg/L	5	no	Fluoride			1.11
Ion Chrom	E 300.0	mg/L	5	no	Sulfate			168
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		2.7
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		8.38
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.61
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		420
Total Cyan	SM 4500-C	mg/L	2	no	Total Cyan	57-12-5		0.348
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		51.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.1
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		19.6
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	< 0.0557
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	< 0.0475
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	< 0.0846
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	< 0.0423
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	< 0.0495
Volatiles W	S	8260B	ug/L	1	no	Carbon Te	56-23-5	< 0.121
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	< 0.0933
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	< 0.0495
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	< 0.064
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	< 0.0651
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	< 0.0905
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	< 0.064
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	< 0.0504
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	0.16
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	< 0.106
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	< 0.0625
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	< 0.0791
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	< 0.046
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	< 0.0696
Volatiles W	S	8260B	ug/L	1	no	Chloroben:	108-90-7	< 0.0217
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	< 0.125
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	< 0.0566
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	< 0.0363
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	< 0.0859
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	< 0.0394
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	< 0.0505
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	< 0.0672
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	< 0.0283
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	< 0.0679
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	< 0.0406
Volatiles W	S	8260B	ug/L	1	no	Bromoben:	108-86-1	< 0.103
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	< 0.0423
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	< 0.0557
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	< 0.077
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	< 0.0336
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	< 0.0672
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	< 0.0439
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	< 0.0672
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	< 0.0513
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	< 0.046
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	< 0.0629
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	< 0.04
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	< 0.538
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	< 0.504
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	< 0.166
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	< 0.417
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	< 0.176
Volatiles W	S	8260B	ug/L	1	no	Isopropyl Alcohol		< 5
Volatiles W	S	8260B	ug/L	1	no	Tert-butyl Alcohol		< 5
Volatiles W	S	8260B	ug/L	1	no	1,4-Dioxan	123-91-1	< 5
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	51.3
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	50.5

Volatiles W	S 8260B	ug/L		1	yes	4-Bromoflu	460-00-4			47.1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A			76
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A			76
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5	<		0.00402
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7	<		0.82
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A			445
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Silver	<		0.000199
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Arsenic	<		0.0043
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Barium			0.065
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Beryllium	<		0.000178
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Cadmium	<		0.000577
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Cobalt	<		0.00293
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Chromium	<		0.00357
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Copper	<		0.0014
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Nickel	<		0.00045
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Lead	<		0.00398
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Antimony	<		0.0116
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Selenium	<		0.00556
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Tin	<		0.00759
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Thallium	<		0.0189
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Vanadium			0.003
Dissolved M	S 6010B	mg/L		1	no	Dissolved	Zinc	<		0.003
Hg, Total	S 7470A	mg/L		1	no	Total Merc	7439-97-6	<		2.17E-05
Ion Chroma	E 300.0	mg/L		5	no	Chloride				48.3
Ion Chroma	E 300.0	mg/L		5	no	Fluoride				1.11
Ion Chroma	E 300.0	mg/L		5	no	Sulfate				70.4
NO2 (IC)	E 300.0	mg/L		5	no	Nitrite-N	14797-65-0			1.61
NO3 (IC)	E 300.0	mg/L		5	no	Nitrate-N	14797-55-8			5.51
pH	SM 4500-H	s.u.		1	no	pH	N/A			7.69
TDS	SM 2540C	mg/L		1	no	Total Disso	N/A			300
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5	<		0.000829
Volatiles W	S 8260B	ug/L		1	no	Bromochlo	74-97-5	<		0.0699
Volatiles W	S 8260B	ug/L		1	no	Dichlorodifl	75-71-8	<		0.0598
Volatiles W	S 8260B	ug/L		1	no	Chlorometh	74-87-3	<		0.23
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4	<		0.0902
Volatiles W	S 8260B	ug/L		1	no	Bromometh	74-83-9	<		0.74
Volatiles W	S 8260B	ug/L		1	no	Chloroetha	75-00-3	<		0.195
Volatiles W	S 8260B	ug/L		1	no	Trichloroflu	75-69-4	<		0.16
Volatiles W	S 8260B	ug/L		1	no	Acetone	67-64-1	<		0.854
Volatiles W	S 8260B	ug/L		1	no	Iodomethan	74-88-4	<		0.112
Volatiles W	S 8260B	ug/L		1	no	Carbon Dis	75-15-0	<		0.0764
Volatiles W	S 8260B	ug/L		1	no	Acrylonitrile	107-13-1	<		0.184
Volatiles W	S 8260B	ug/L		1	no	2-Butanone	78-93-3	<		0.394
Volatiles W	S 8260B	ug/L		1	no	4-Methyl-2-	108-10-1	<		0.484
Volatiles W	S 8260B	ug/L		1	no	2-Hexanon	591-78-6	<		0.0975
Volatiles W	S 8260B	ug/L		1	no	trans 1,4-D	110-57-6	<		0.42
Volatiles W	S 8260B	ug/L		1	no	1,1-Dichlor	75-35-4	<		0.0736
Volatiles W	S 8260B	ug/L		1	no	Methylene	75-09-2	<		0.689
Volatiles W	S 8260B	ug/L		1	no	MTBE	1634-04-4	<		0.0504
Volatiles W	S 8260B	ug/L		1	no	trans-1,2-D	156-60-5	<		0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		19.7
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		90
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		90
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		327
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.005
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.005
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.003
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			23

Ion Chroma	E 300.0	mg/L	5	no	Fluoride			1.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			49.4
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-(	<	0.064
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		3.34
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.83
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		226
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		21.1
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.18
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.9

Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.3
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		94
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		94
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		314
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.145
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium		0.007
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.007
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.003
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			19.8
Ion Chroma	E 300.0	mg/L	5	no	Fluoride			1.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			46.8
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	<	0.064
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		2.94
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.9
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		206
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		51.2
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.4
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.7
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.5
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		120
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		120
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.151
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		902
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.056
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.011
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium		<	0.0015
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			84.2

Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.25
Ion Chroma	E 300.0	mg/L	10	no	Sulfate			143
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		10.3
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.49
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		618
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.151
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.5
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.36
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.7

Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.7
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		100
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		100
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.172
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		687
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.122
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium		0.021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.006
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			56.6
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.38
Ion Chroma	E 300.0	mg/L	10	no	Sulfate			102
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		7.95
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.75
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		446
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.175
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chloromethl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromomethl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		22.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.15
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		53.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.9
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		82
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		82
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.104
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		491
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.066
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.006
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00004
Ion Chroma	E 300.0	mg/L	2	no	Chloride			39.4

Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.34
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			67.9
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		4.68
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.72
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		336
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.104
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		1.58
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		20.7
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S	8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3		0.16
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S	8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S	8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S	8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S	8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S	8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.6
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.4

Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		156
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		156
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.283
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		758
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.059
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium		0.017
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.003
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			46.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.26
Ion Chroma	E 300.0	mg/L	10	no	Sulfate			122
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		5.91
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.49
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		528
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.285
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.25
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.2
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		24
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.36
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.61
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		48.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.9
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		66
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		66
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0889
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		399
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.095
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.006
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	2	no	Chloride			29

Ion Chrom	E 300.0	mg/L	1	no	Fluoride			0.38
Ion Chrom	E 300.0	mg/L	5	no	Sulfate			49.8
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		6.94
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.77
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		264
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0954
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.24
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		0.31
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		1.98
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		22.9
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.49
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		0.21
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.67
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		53.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.6

Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.8
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		72
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		72
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.218
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		531
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.12
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium		0.014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.004
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc		0.008
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			39.6
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.34
Ion Chroma	E 300.0	mg/L	10	no	Sulfate			86.2
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		5.19
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.75
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		366
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.218
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.11
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		0.13
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.14
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.43
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		53.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.3
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		0.11
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.48
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7		0.21
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6		0.07

Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		0.11
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		54.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.3
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		110
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		110
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		382
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.118
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium			0.004
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.007
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel			0.043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.008
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	2	no	Chloride			21.2

Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.28
Ion Chroma	E 300.0	mg/L	2	no	Sulfate			33.4
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.66
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		248
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		1.33
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		22.4
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475

Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.17
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.68
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.4
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49.8
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide ,	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		76
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0974
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		566
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.133
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium		0.005
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.006
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			65
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.38
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			53.7
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		6.11
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.69
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		374
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.1
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		1.68
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		0.54
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.5

Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		2.72
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.16
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.37
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		62
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		62
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		1520
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.059
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.006
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.004
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	10	no	Chloride			192
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.32
Ion Chroma	E 300.0	mg/L	10	no	Sulfate			389

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		8.62
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.39
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		1130
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.43
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.6
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		0.98
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475

Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.35
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide ,	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		88
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		88
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		316
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium	<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.009
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc		0.008
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	1	no	Chloride			10.9
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.43
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			44.4
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		1.4
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.76
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		230
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49.2

Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.2
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.07
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.38
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.3
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		98
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		98
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		220
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.064
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.012
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	1	no	Chloride			12.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.51
Ion Chroma	E 300.0	mg/L	2	no	Sulfate			31.9

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		0.65
pH	SM 4500-H	s.u.	1	no	pH	N/A		8.73
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		158
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		48.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		48.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.26
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475

Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.31
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.6
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide ,	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		76
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.215
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		676
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.076
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium	<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper		0.008
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.005
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			68.1
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.3
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			108
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		7.69
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.75
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		388
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.217
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		0.96
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49.8

Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.2
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		20.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.13
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.2
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		74
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		74
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.219
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		677
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.079
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium			0.003
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper			0.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin			0.016
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.004
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			66.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.3
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			106

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		7.53
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.77
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		326
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.224
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.3
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475

Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	< 0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	< 0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	< 0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	< 0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	< 0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	< 0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	< 0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	< 0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	< 0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	< 0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	< 0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	0.33
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	< 0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	< 0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	< 0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	< 0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	< 0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	< 0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	< 0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	< 0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	< 0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	< 0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	< 0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	< 0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	< 0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	< 0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	< 0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	< 0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	< 0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	< 0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	< 0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	< 0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	< 0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	< 0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	< 0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	< 0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	< 0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	< 0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	< 0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	0.06
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	< 0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	< 0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	< 0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	< 0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	< 0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		< 5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		< 5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	< 5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	46.3
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	< 0.0021

Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		80
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
As, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	<	0.0043
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		0.083
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	<	0.0022
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	<	0.0014
Chloride (IC	E 300.0	mg/L	2	no	Chloride	16887-00-6		13.6
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	<	0.0022
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		332
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	<	0.0009
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.005
Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.44
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved N	7440-02-0	<	0.0019
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.13
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	<	0.0074
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.83
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	<	0.0166
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	<	0.0131
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	<	0.0124
SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8		46.3
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		238
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	<	0.0189
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
V, Dissolve	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.007
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.1
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.4

Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	44.7
Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.009
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5 <	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8 <	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3 <	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4 <	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9 <	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3 <	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4 <	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1 <	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4 <	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0 <	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1 <	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3 <	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1 <	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6 <	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6 <	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4 <	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	1.63
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4 <	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5 <	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3 <	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2 <	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7 <	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2 <	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3 <	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6 <	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6 <	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2 <	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5 <	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5 <	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6 <	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3 <	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4 <	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8 <	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5 <	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6 <	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	0.3
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5 <	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9 <	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1 <	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4 <	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4 <	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7 <	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6 <	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4 <	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7 <	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2 <	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5 <	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6 <	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5 <	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8 <	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.5
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		78
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		78
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		316
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.018
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper			0.007
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin			0.017
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.007
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	1	no	Chloride			11.2
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.44
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			46.5

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		1.43
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.82
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		220
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		0.7
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.16
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4		0.16
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl	Alcohol	<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl	Alcohol	<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		2.59
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		2.04
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475

Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.35
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.3
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide ,	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		78
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		78
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		316
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium	<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper		0.007
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.008
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	1	no	Chloride			11.2
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.44
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			46.1
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		1.43
pH	SM 4500-H	s.u.	1	no	pH	N/A		6.68
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		214
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.13
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4		0.14
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1		0.15
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.5

Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		21
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.47
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.15
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		76
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.135
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		468
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.111
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper			0.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.004
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			37
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.37
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			65.9

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		4.59
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.73
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		320
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.14
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.17
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1		0.12
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		25
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475

Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.13
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide ,	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		86
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		86
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		463
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Silver	<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Arsenic	<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Barium		0.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Beryllium	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cadmium	<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Cobalt	<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Chromium	<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Copper		0.014
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Nickel	<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Lead	<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Antimony	<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Selenium	<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Tin	<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Thallium	<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Vanadium		0.005
Dissolved M	S 6010B	mg/L	1	no	Dissolved	Zinc	<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	5	no	Chloride			38
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.36
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			51.1
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	2	no	Nitrate-N	14797-55-8		4.02
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.82
TDS	SM 2540C	mg/L	1	no	Total Disso	N/A		312
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.26
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1		0.21
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.8

Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.7
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		0.77
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.45
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.2
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		80
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		358
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.077
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper			0.009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel			0.152
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.003
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	2	no	Chloride			17.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.44
Ion Chroma	E 300.0	mg/L	2	no	Sulfate			51.4

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.68
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.54
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		242
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394

Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.7
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		80
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		336
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium			0.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper			0.014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium			0.005
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	3.36E-05

Ion Chroma	E 300.0	mg/L	1	no	Chloride			14.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride			0.46
Ion Chroma	E 300.0	mg/L	5	no	Sulfate			50.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.29
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.15
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		214
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		0.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4		0.22
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1		0.29
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566

Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		48.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		43.6
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<	3.36
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		1.6
Dissolved M	S 6010B	mg/L	1	no	Dissolved Silver		<	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved Arsenic		<	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved Barium		<	0.0017
Dissolved M	S 6010B	mg/L	1	no	Dissolved Beryllium		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cadmium		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Cobalt		<	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved Chromium		<	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved Copper		<	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved Nickel		<	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved Lead		<	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved Antimony		<	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved Selenium		<	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved Tin		<	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved Thallium		<	0.0189

Dissolved M	S 6010B	mg/L	1	no	Dissolved Vanadium		<	0.0015
Dissolved M	S 6010B	mg/L	1	no	Dissolved Zinc		<	0.0071
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Ion Chroma	E 300.0	mg/L	1	no	Chloride		<	0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride		<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate		<	0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
pH	SM 4500-H	s.u.	1	no	pH	N/A		4.96
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		72
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696

Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7		0.04
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.1
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.32
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504

Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.31
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5

Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.4
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.118
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.478
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		0.961
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.227
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.226
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.095
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.123
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		0.224
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7439-92-1		0.497
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.228
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.456
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		0.278
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.455
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.25
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.22
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.114
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.468
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		0.937
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.026
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.22
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.224
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.091
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.12
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		0.226
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7439-92-1		0.474
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.217
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.479
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		0.285
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.473
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.245
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.212
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.114
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.429
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		0.856
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.211
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.21
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.085
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.112
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		0.21
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7439-92-1		0.447
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.424
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		0.257
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.401
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.227

Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.215
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.114
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.441
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.956
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.214
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.216
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.09
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.116
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.217
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.457
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.428
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.265
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.415
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.231
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.215
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.00357
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.00105
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.003
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.947
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.977
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.989
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.985
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.987
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.974
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.976
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.988
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.963
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.98
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.955
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.981
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.117
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.934
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.94

Dissolved M	S 6010B	mg/L	1	no	Dissolved E	7440-41-7		0.901
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.91
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.901
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.908
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.924
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		0.901
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1		0.912
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.923
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.913
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		0.924
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.909
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.901
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.901
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		11.9
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		22
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		22
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		134
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		13.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		235
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		139
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		13.1
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		241
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0128
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0106
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.0181
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0119
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0485
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.52
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.52
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		12.3
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.57
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.5
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.56
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.54
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		12.4
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.75
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.8
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.42
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.48
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.26
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.54
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.87
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.98
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.48
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.7
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.37
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		3.98
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.98
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		5.1

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.72
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.7
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.65
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.65
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	14.7
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	14.2
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	15.7
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	< 0.0128
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0106
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.7
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.75
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.7
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.64
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.133
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.516
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.024
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.245
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.247
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.103
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.126
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.25
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.505
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.245
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.451
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.313
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.499
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.265
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.245
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.127
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.522
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	0.995
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.024
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.239
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.24
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.098
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.125
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.247
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.503
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.249
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.433
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.312
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.489
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.261
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.242
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.135
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.556
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.1
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.026
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.251
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.245

Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.11
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.133
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.254
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.53
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.256
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.484
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.3
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.517
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.254
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.254
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.134
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.492
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.11
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.253
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.251
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.112
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.134
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.257
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.53
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.256
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.442
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.298
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.511
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.256
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.258
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.000199
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.000178
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.000577
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.00293
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.00357
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.00045
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.00398
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.0116
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.00556
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.00759
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.00105
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.003
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.128
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	1.05

Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0			1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2			1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5			1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0			1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2			0.981
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6			0.999
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4			0.132
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2			1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3			1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7			1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9			1.08
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4			1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3			1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8			1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved N	7440-02-0			1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1			1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0			1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2			1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5			1.08
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0			1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2			1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6			1.04
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			816
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			818
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A	<		1
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			1410
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			1420
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			447
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			445
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A	<		1
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			1420
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A			1410
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.8
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.77
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.97
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.99
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.58
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.58
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.02
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.04
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.94
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.96
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.98
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.02
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.82
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.83
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.98
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.96
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.69
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.69
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.99
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.01

TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		526
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		510
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	<	5
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		1010
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		1010
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.35
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.37
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.4
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.41
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.3
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.9
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.3
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		11.8
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		11.8
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		16.6
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		16.6
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		87.2
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		11.7
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		99.1
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		87.2
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		11.6
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		99.3
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0168
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.0257
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0598
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.31
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.27
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.4
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.3
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.4
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.31
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.27
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.4
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.29
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.3
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00097
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.001
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.001
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00103
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	<	2.17E-05
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00101
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6		0.00099
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.101
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0915
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.267
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.258
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829

Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.115
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.123
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.101
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.0915
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		<	0.00402
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.115
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.123
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.123
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.113
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.156
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.139
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		<	0.000829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.13
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.126
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.123
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.113
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		<	0.00402
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.13
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5			0.126
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6			13.6
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8			2.64
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8			13.3
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6			13.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8			2.68
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8			13
Ion Chroma	E 300.0	mg/L	50	no	Chloride	16887-00-6			874
Ion Chroma	E 300.0	mg/L	50	no	Fluoride	16984-48-8			138
Ion Chroma	E 300.0	mg/L	50	no	Sulfate	14808-79-8			877
Ion Chroma	E 300.0	mg/L	50	no	Chloride	16887-00-6			876
Ion Chroma	E 300.0	mg/L	50	no	Fluoride	16984-48-8			138
Ion Chroma	E 300.0	mg/L	50	no	Sulfate	14808-79-8			889
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6			0.0181
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8			0.0119
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8			0.0485
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6			13.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8			2.68
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8			13.1
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6			13.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8			2.68
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8			13.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4			49.7
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2			50.9
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6			49.9
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			45.8
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7			50.8
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7			50
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5			50.2
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4			49.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4			49
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2			51
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6			50.2
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			45.8

Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7		49.9
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		44.2
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		47.7
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		45.8
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		42.6
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7		47.4
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.4
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		43.8
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		47.6
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		45.6
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		42.6
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7		46.6
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.4
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		2.65
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651

Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.52
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.9
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		56.6
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.1
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		51.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5		52.5
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		46.5
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7		50.7
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4		51.9
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A			64
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			64
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A			62
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			62
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<		4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<		2.38
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			250
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			252
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			292
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			300
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	<		5
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			1000
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			1010
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4			49.8
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2			51.4
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6			50.1
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			46.3
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7			50.2
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7			51
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5			50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4			51
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4			48.7
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2			50.1
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6			48.9
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			45.1
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7			49.9
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7			50
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5			49.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4			50.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4			50.8
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2			51.8
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6			50
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			46.1
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7			51.3
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7			50.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5			50.1
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4			50.8
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4			48
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2			49.6
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6			48.2
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			44.2
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7			49
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7			50.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5			49.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4			50.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<		0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<		0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<		0.23

Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557

Volatiles W	S 8260B	ug/L		1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L		1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L		1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L		1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L		1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L		1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L		1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L		1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L		1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L		1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L		1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L		1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L		1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L		1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L		1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L		1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L		1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L		1	yes	Dibromoflu	1868-53-7		50.8
Volatiles W	S 8260B	ug/L		1	yes	Toluene-d8	2037-26-5		50.6
Volatiles W	S 8260B	ug/L		1	yes	4-Bromoflu	460-00-4		49
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4		51.9
Volatiles W	S 8260B	ug/L		1	no	1,1-Dichlor	75-35-4		50.2
Volatiles W	S 8260B	ug/L		1	no	Chloroform	67-66-3		51.4
Volatiles W	S 8260B	ug/L		1	no	1,2-Dichlor	78-87-5		51.7
Volatiles W	S 8260B	ug/L		1	no	Toluene	108-88-3		45.5
Volatiles W	S 8260B	ug/L		1	no	Chloroben	108-90-7		49.9
Volatiles W	S 8260B	ug/L		1	no	Ethylbenze	100-41-4		51.1
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4		58.8
Volatiles W	S 8260B	ug/L		1	no	1,1-Dichlor	75-35-4		50.5
Volatiles W	S 8260B	ug/L		1	no	Chloroform	67-66-3		52.2
Volatiles W	S 8260B	ug/L		1	no	1,2-Dichlor	78-87-5		53.6
Volatiles W	S 8260B	ug/L		1	no	Toluene	108-88-3		46.4
Volatiles W	S 8260B	ug/L		1	no	Chloroben	108-90-7		50.7
Volatiles W	S 8260B	ug/L		1	no	Ethylbenze	100-41-4		52.5
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A		68
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		12
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		80
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A		72
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		10
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		82
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A	<	2.38
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A		240
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		10
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		250
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A		244

Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		6
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		250
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		5.04
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.59
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.48
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.42
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.82
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.59
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.7
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0856
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0904
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.149
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.15
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.103
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.108
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.75
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.75
pH	SM 4500-H	s.u.	1	no	pH	N/A		6.96
pH	SM 4500-H	s.u.	1	no	pH	N/A		7
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.49
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.49
pH	SM 4500-H	s.u.	1	no	pH	N/A		6.93
pH	SM 4500-H	s.u.	1	no	pH	N/A		7
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.42
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.42
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.44
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.44
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12.1
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		22
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		22
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		142
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		11.8
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		205
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		143
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		11.9
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		205
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0168
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.0257
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0598
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.35
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.31
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7

Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.36
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.32
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		687
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		687
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		0
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		1420
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		1420
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		76
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<	2.38
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		244
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		10
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		254
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		244
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		8
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		252
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.4
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		51.2
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		49.5
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		46
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7		49.6
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.7
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		51.6
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		50.2
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		46.3
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7		50.2
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		53.5
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		53
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		52
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		46.8

Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7		51.6
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.3
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		51.5
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		50.1
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		45.4
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7		49.8
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.3
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.47
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046

Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		2.07
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.1
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		55
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.4
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		50.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5		52.1
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		45.8
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7		49.9
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4		51.4
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		54.3
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		49.7
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		51.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5		51.5
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		45.8
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7		49.4
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4		51.5
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.78
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.77
pH	SM 4500-H	s.u.	1	no	pH	N/A		6.94

pH	SM 4500-H	s.u.	1	no	pH	N/A	6.97
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.41
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.41
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.43
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.43
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.36
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.1
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.36
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	11.6
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16.5
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16.2
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	96.5
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	126
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	95.5
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	11.4
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	127
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	< 0.0168
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.0257
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	0.0598
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.36
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.31
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.7
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.36
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.31
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.7
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.12
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.507
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.987
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.234
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.096
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved N	7440-02-0	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.501
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.256
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.433
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.299
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.478
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.251
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.222

Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.121
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.485
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.989
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.234
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.099
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.125
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.239
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.509
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.249
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.414
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.3
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	0.482
Dissolved M	S 6010B	mg/L	1	no	Dissolved W	7440-62-2	0.254
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.23
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.118
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.452
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.234
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.23
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.102
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.126
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.233
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.499
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.204
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.43
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.304
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	0.473
Dissolved M	S 6010B	mg/L	1	no	Dissolved W	7440-62-2	0.258
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.224
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.119
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.466
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.234
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.106
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.128
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.492
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.206
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.426
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.309
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	0.468
Dissolved M	S 6010B	mg/L	1	no	Dissolved W	7440-62-2	0.262
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.228
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.0017
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.0022

Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.0014
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.0022
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.0009
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.0014
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.0019
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.0074
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.0166
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	0.0124
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	0.0189
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.0015
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.0071
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.129
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-39-3	1.04
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-41-7	1.04
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	1.04
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	1.06
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	1.02
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	1.04
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	1.08
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	1
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	1.04
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.125
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.991
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-39-3	1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-41-7	0.991
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	1
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	1.02
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.987
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.996
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.986
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.966
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.999
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.43
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.41
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.45
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.43
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.35
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.1
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.8

Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12.2
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		15.9
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		15.9
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		87.2
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		109
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		87.3
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		109
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0168
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.0257
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0598
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.36
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.32
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.35
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.37
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.32
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0856
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0904
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.103
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.108
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		52.3
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		38.3
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3		48.1
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		48.1
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9		47.4
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3		49.4
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4		55.6
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		45.3
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4		50.5
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0		49.7
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1		54.4
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3		49.8
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1		52.4
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6		54.7
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6		45.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.3
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		45.6
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4		53.4
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5		50.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3		51.8

Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.5
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	35.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.4
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	51.4
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.7
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	50.6
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	52.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.2
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	49.5
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.3
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.3
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	51.2
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	49.3
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	50.2
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	45.1
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	50.5
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.7
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	51.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	48.5
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	48.6
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.9
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	49.9
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	100
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	50.4
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	51.6
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	50.6
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	51.6
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	48.7
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	47.8
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	48.9
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	47.3
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	48.1
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.9
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	48.3
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	48.4
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	46.5
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	48.1
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	48
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	47.8
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	48.3
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	47.3
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	46.1
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	34.8
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	46.4
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	37.5
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	45.7
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	52.4
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.1
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.1

Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	52.4
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	42.6
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	50.2
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	49.5
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	51.8
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	56.5
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	48.3
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	50.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	50.4
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	55
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	50.2
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	51.4
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	53.9
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	45.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	50.3
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	45.8
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	53.2
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.3
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.5
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.5
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	34
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.5
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	51.4
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.6
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	51.7
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	51.1
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	53.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.2
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	50.2
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	51.8
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	53.3
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	51.2
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	49.5
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	50.8
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	45.4
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.4
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	52
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51.1
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	48.8
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	48.8
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50.1
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	50.4
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	101
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	51
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	52.1
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	50.9
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	51.5
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	49.3
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	48.1
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	49.9

Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	48.6
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	48.9
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	50
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	49.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	49.3
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.3
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	49.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47.7
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	49.1
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	49
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	49.5
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	48.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	47.5
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	54.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	50.8
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	47.2
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	47.2
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	52
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.7
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	54.2
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	40.9
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	53
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52.1
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	50.5
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	53.5
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	61.9
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	48.9
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	52.2
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	53.2
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	55.4
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	48.6
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	53.7
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	57
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	46.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	53.2
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	46.8
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	54.8
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	52.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	53.5
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	53.7
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	33.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	53.8
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	53.5
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	54.6
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	53
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	52.6
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	55.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	53
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	51.5
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	52.5
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	54.3

Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	53
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	49.8
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	51
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	46.4
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	52.1
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	51.6
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	53.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.2
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	49.2
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	50.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51.5
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	51.7
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	104
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	52.6
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	50.2
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	52.4
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	52
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.9
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	48.8
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	50.9
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	49.2
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	50.3
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	50.8
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	50.1
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	49.8
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	48.2
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	50.8
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	49
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	50.4
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	49.5
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	50
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	47.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	55.9
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	52.1
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	46.7
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	50.2
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	52.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	51.2
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	41
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	50.2
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	48
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	52.1
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	59.3
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	44.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	49.2
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	49.6
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	52.3
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46

Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	49
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	52.5
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	42.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	49.7
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	44.8
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	51
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	49.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	50.9
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.2
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	29.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50.6
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	50.8
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.1
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	51
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	50.4
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	53.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	49
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	50
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	52.1
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	51
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	47.6
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	48.4
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	44
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.9
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.4
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	51.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	49.1
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	46.8
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	48.1
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.7
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	49.7
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	99.6
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	49.4
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	47.8
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	50.1
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	49.6
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	48.1
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	45.8
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	48.6
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	46.9
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	48
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.7
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.9
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	47.4
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	45.6
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	48.2
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	46.5
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	47.7
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	47.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	47.2
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	47

Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		45
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		53.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		48
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		44
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		46
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		51.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	<	0.854
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.64
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566

Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		2.96
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		47.6
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		52.5
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		39.1
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3		45.1
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		44.2
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9		42
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3		44
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4		52.3
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		45.6
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4		50.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0		49.6
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1		52.9
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3		49.4
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1		49.9
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6		55.1
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6		50
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.6
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		46.4
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4		53.1
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5		49.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3		51
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2		51.8

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	40.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	49.5
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	50.6
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50.8
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.1
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	49.8
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	51
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50.8
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	49.6
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	50.8
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	52
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	50.8
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	50.6
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	50.7
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	44.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	50.4
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.7
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	52.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51.3
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	47.5
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	48.4
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	48.3
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	49.4
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	98.3
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	52.2
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	51.5
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	49.8
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	52.1
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	49
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	49.4
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	49.6
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	48.4
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	48.7
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	49.5
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	48.9
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	49.3
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	46.8
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	49.2
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47.9
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	49.2
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	48.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	49.3
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	52.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	46.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	65.3
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	54.4
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	53
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	49.4
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.0009
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.0009
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00103
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00104

Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	< 2.17E-05
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00101
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00101
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	53.4
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	42.8
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	53.9
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	53.8
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	58.8
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	58.3
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	59
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	46.9
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	52.5
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	52.7
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	55.2
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46.5
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	50.2
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	53.6
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	45.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	52
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	48.4
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	53.6
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	52.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	53.6
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	53.1
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	38.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	53.9
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	53.8
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	53.3
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	53
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	53
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	55.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	53.3
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	51.2
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	53.4
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	54.3
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	53.3
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	51
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	52.7
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	47.3
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.6
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	51.1
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	52
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	50.6
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	51.1
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	49.9
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	51.5
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	104
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	49.5
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	53.8
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	52.4
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	50

Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.6
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	47.7
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	51
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	48.8
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	50.4
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.6
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	51.1
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	51.1
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.9
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	51.8
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.8
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	51.3
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	51
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	45.5
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	52.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	51.4
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	44.1
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	52.1
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	53.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.7
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47.6
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	53.4
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	42.6
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	53.6
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	54.1
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	58.4
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	57.2
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	59.9
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	46.5
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	51.9
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	52.3
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	53.5
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46.7
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	49
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	52.2
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	44
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	51.8
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	48.4
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	52.9
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	51.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	52.5
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	52.8
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	35.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	53.7
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	53.4
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	52.8
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	51.9
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	51.6
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	54.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.4

Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	50.2
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	51.5
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	53.3
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.4
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	50.1
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	51.4
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	46.3
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.2
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.5
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	51.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	49.7
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	50.3
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	49.5
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50.4
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	51.4
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	104
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	49
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	53.4
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	52.3
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	49.6
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.3
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	46.7
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	50.9
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	48.7
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	50.4
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.5
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	50.6
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.2
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.5
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	51.2
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.2
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	51.2
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	49.1
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	50.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	44.6
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	56.5
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	50.5
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	45
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	51.7
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	53
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	50
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47.5
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	53.3
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	37.6
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	54
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52.9
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	53.4
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	57
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	59.8
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	44.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	50.6

Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	50.9
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	53.3
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	44.9
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	47.2
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	51.4
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	42.6
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	50.4
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	46.8
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	52
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	51.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	52.4
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	52.8
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	31.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	52.6
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	53.3
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	52.3
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.8
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	51.3
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	52.8
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.3
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	49.1
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.2
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	53
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.3
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	47.5
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	49.7
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	44.8
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	48.8
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.2
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	50
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	48.1
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	45.4
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.2
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	49.7
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	100
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	47.3
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	45.9
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	50.6
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	47.5
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	47.7
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	43.8
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	48.2
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	46.4
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	47.4
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	47.8
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.3
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	47.2
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	45.4
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	47.4
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	45.8
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	47.4

Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	47
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	46.2
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	46.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	39.6
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	51.7
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	45.6
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	40.8
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	45.7
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	54.2
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.5
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	49
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	52.2
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	35.5
Volatiles W	S	8260B	ug/L	1	no	Chlorometl	74-87-3	50.9
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	49.8
Volatiles W	S	8260B	ug/L	1	no	Bromometl	74-83-9	50.2
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	53.5
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	53.9
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	45.3
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	49.5
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	49.2
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.4
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	45.3
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	49.1
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	53.2
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	41.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	49
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	45.4
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	51.7
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.4
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	28.9
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	52
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	51.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50.9
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.5
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	50.6
Volatiles W	S	8260B	ug/L	1	no	Carbon Te	56-23-5	52
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.7
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.7
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	50.5
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.3
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	51.7
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	47
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	49.1
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	44.8
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	48.9
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	48.8
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	50.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	48.1
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	44.7

Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7		47.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6		48.3
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4		48.7
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7		98
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2		47.3
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5		45.1
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6		49.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5		48.2
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8		46.6
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4		43.6
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8		46.7
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1		45.4
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1		46
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8		47.2
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6		46.4
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		45.8
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7		44.7
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8		46.4
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1		45.5
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		45.9
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4		45.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1		45.9
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		45.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		41.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		55.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		47.7
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		43.9
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		46.2
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		53.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.2
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49.6
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		2.23
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101

Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.54
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		0.84
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		1.8
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		53.2

Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	50.8
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47.3
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	52.7
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	41.8
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	53.6
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	55.5
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	57.4
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	58.1
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	63
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	58.6
Volatiles W	S	8260B	ug/L	1	no	Iodomethan	74-88-4	51.3
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	52.1
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	53.3
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	55.4
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	51.1
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	58.4
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	54.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	51.1
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	48.2
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	52.9
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	51.6
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	52.3
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	57.3
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	52.2
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	51.6
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	52.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	52
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	51.2
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	54
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.7
Volatiles W	S	8260B	ug/L	1	no	Trichloroeth	79-01-6	50.2
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	50.9
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.8
Volatiles W	S	8260B	ug/L	1	no	2-Chloroeth	110-75-8	51.7
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	53.5
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	54.7
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	46
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	50
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.2
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	52
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	49.9
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	48.6
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	48.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.7
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	50.8
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	103
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	50.4
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	52.8
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	51.8
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	50.6
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	49.3

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	48.9
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	49.2
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	47.9
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	49.6
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	49.8
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	48.5
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	49.4
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	49.6
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.1
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	50
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	48.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	48.2
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	50.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	42.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	30.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	43.7
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	32.8
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	47.6
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	52.1
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	41.1
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	52
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52.3
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	57
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	55.9
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	55.4
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	45.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	50.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	50.4
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.6
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46.8
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	49.5
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	54
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	46
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	50.6
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	46.8
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	52.4
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.4
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.3
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	38.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	52.2
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	51.7
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.3
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	50.9
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	52.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.2
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	49.5
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	51
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	51.9
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	51.2

Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5		49.2
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6		51.1
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		45.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5		49.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9		49.6
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1		49.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4		48.5
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4		47.9
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7		47.4
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6		48.7
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4		49.6
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7		99.3
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2		47.5
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5		51.2
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6		49.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5		49.1
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8		48
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4		46.2
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8		48.3
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1		46.7
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1		47.8
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8		48.7
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6		47.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		47.9
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7		45.1
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8		48.3
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1		46.2
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		48.1
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4		46.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1		47.4
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		47.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		47.2
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		33
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		44.8
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		35.9
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		46.4
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.112
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.108
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.129
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.125
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.112
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.111
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.03
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.26
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.14
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		3.92
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.76
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.54
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		360
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		366

TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	<	5
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		1010
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		1020
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.69
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.66
pH	SM 4500-H	s.u.	1	no	pH	N/A		6.97
pH	SM 4500-H	s.u.	1	no	pH	N/A		7
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Cc	N/A		396
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Cc	N/A		399
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Cc	N/A		0
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Cc	N/A		1420
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Cc	N/A		1420
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		152
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		152
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		156
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		156
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<	2.38
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		240
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		8
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		248
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		240
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		6
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		246
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.112
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.108
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.00402
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.112
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.111
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.115
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.119
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.105
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0959
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<	0.000829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.111
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.113
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.122
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.461
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.247
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.24
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.104
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.123

Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.245
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.507
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.243
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.473
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.305
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.515
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.257
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.228
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.125
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.481
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.248
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.247
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.105
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.251
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.499
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.244
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.472
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.306
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.516
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.262
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.118
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.464
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.1
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.231
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.106
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.121
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.237
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.51
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.225
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.431
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.304
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.509
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.257
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.229
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.119
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.496
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.11
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.237
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.232
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.104
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.121
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.238
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.491
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.224
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.413

Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.307
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	0.487
Dissolved M	S 6010B	mg/L	1	no	Dissolved Y	7440-62-2	0.258
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.228
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.0017
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved H	7440-02-0	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved Y	7440-62-2	0.0015
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.0071
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.125
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.968
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.992
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.985
Dissolved M	S 6010B	mg/L	1	no	Dissolved H	7440-02-0	0.998
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.99
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.987
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved Y	7440-62-2	0.973
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.12
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.987
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.973
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.953
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.986
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.97
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.979
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.934
Dissolved M	S 6010B	mg/L	1	no	Dissolved H	7440-02-0	0.969
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.993
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.975
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.956
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.993
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-28-0	0.983
Dissolved M	S 6010B	mg/L	1	no	Dissolved Y	7440-62-2	0.93
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.972

Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	12
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.42
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.5
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	12.1
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.42
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.5
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	80.5
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	93.4
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	80.4
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	93.3
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.0257
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	0.0598
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.9
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.4
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.8
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	12.1
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.42
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.115
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.119
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	< 0.00402
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.111
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.113
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.43
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.44
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.44
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.45
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.2
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.2
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.2
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.3
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	17.8
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	17.8
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	124
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	11.9
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	113
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	124
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	113
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	< 0.0168
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.0257
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	0.0598
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.37

NO3 (IC)	E 300.0	mg/L		1	no	Nitrate-N	14797-55-8		2.32
Ion Chroma	E 300.0	mg/L		1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L		1	no	Fluoride	16984-48-8		2.35
Ion Chroma	E 300.0	mg/L		1	no	Sulfate	14808-79-8		11.7
NO2 (IC)	E 300.0	mg/L		1	no	Nitrite-N	14797-65-0		2.38
NO3 (IC)	E 300.0	mg/L		1	no	Nitrate-N	14797-55-8		2.32
Ion Chroma	E 300.0	mg/L		1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L		1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L		1	no	Sulfate	14808-79-8		11.7
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		60
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		60
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		62
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		62
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A	<	2.38
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A		244
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		6
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		250
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A		244
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		6
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		250
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1500
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1520
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		0
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1420
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1410
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.39
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.39
pH	SM 4500-H	s.u.		1	no	pH	N/A		6.97
pH	SM 4500-H	s.u.		1	no	pH	N/A		6.98
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.76
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.93
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.42
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.59
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7	<	0.56
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.54
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.7
Volatiles W	S 8260B	ug/L		1	no	Bromochlo	74-97-5		48.2
Volatiles W	S 8260B	ug/L		1	no	Dichlorodifl	75-71-8		32.2
Volatiles W	S 8260B	ug/L		1	no	Chlorometh	74-87-3		44.9
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4		44.9
Volatiles W	S 8260B	ug/L		1	no	Bromometh	74-83-9		44
Volatiles W	S 8260B	ug/L		1	no	Chloroetha	75-00-3		46.6
Volatiles W	S 8260B	ug/L		1	no	Trichloroflu	75-69-4		46.5

Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	46.1
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	45.9
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	45.1
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	51.4
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	43.9
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	47.3
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	49.7
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	34.3
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	45.8
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	44.5
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	47.5
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	46.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	46.9
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	47.1
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	26
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	47.9
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	47.9
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	47.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	46.5
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	46.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	47.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	47.7
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	45.4
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	47.5
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	47.9
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	47.7
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	43
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	44.6
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	42
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	48.3
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	48
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	47.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	47.3
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	50.8
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	46.1
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	47
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	47.6
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	96
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	44.8
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	49.6
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	47.9
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	46.3
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	48.3
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	43.8
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	47.9
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	46.2
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	47.9
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.3
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	47.7
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	45
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	46.8

Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	45.6
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	46.7
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	47.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	44.8
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	46.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	31.6
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	14.1
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	26.2
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	17.7
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	36.6
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	48.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	50.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	51.1
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	34.5
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	49.6
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50.6
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	50.3
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	52.9
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	53.3
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	50.1
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	48.6
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	47
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	55.6
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	47.4
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	49
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	54.7
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	36
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	48.4
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	46.9
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	50.8
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	49.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	50
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	50.8
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	27.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50.7
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	50.8
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	49.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49.3
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	49.6
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	50.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50.7
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	47.8
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	50.3
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	50.9
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	50.7
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	45.3
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	47.3
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	44.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	50.7
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.9
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	50.7

Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	50.1
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	53.3
Volatiles W	S	8260B	ug/L	1	no	Chloroben:	108-90-7	48.2
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50.1
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	50
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	101
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	47.9
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	52.4
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	50.9
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	49.1
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.2
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	46
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	50.4
Volatiles W	S	8260B	ug/L	1	no	Bromoben:	108-86-1	48.7
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	49.6
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	50.5
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	48.2
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	49.9
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.1
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	49.1
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47.8
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	48.1
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.2
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	47.2
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	46.3
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	34.9
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	36.6
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	31.7
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	29.7
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	36
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	50.2
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	48.6
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	50.8
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	50.5
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	37
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	51
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	51.4
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	53.4
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	55.9
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	60.5
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	37.7
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	49.3
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	49.3
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	52.4
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	44.3
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	46.2
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	50.5
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	41.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	49.8
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	44.2
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	50.5
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.4

Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	49.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	50
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	51.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	50.3
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.4
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.2
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	49.4
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	52.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50.4
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	47.8
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	49.8
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	50.8
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	50.4
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	49.1
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	51
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	44
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.8
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.2
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	49.8
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	49.1
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	48.5
Volatiles W	S	8260B	ug/L	1	no	Chlorobenz	108-90-7	48.7
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	50.6
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	102
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	45.6
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	49.5
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	51
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	46.8
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	51.5
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	47.1
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	51.7
Volatiles W	S	8260B	ug/L	1	no	Bromobenz	108-86-1	49.4
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	51.7
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.7
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	50.4
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.9
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	48
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	51.4
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.8
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	51
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	50.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	47.8
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	50.9
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	31.6
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	30.8
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	28.6
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	22.9
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	40
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	53.3
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	51.5

Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	50
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	49.6
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	33.5
Volatiles W	S	8260B	ug/L	1	no	Chlorometl	74-87-3	49.8
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50.2
Volatiles W	S	8260B	ug/L	1	no	Bromometl	74-83-9	51.4
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	54.2
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	56.9
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	40
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	46.7
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	46.4
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	51.6
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	44.5
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	46.8
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	51
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	42.4
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	46.7
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	43
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	49.1
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	48.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	48.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	49.1
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	47.2
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	48.9
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.4
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	48.6
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	48.3
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	48.4
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	49.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	49.5
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	46.7
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	49.1
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	49.5
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	49.5
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	48.6
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	49.9
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	42.3
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.6
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.2
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	49.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	48.7
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	45.8
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47.5
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	49.3
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	100
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	46.5
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	49.2
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	50.2
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	47.6
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	49.8
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	46.8

Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8		49.7
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1		48
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1		49.7
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8		49.9
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6		48.4
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		49.4
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7		46.7
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8		48.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1		47.4
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		48.5
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4		48.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1		46.4
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		48.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		32.2
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		41.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		33
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		30
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		38.8
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.2
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49.7
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		2.35
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		3.61
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064

Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.42
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		3.03
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		49.4
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		35.8
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3		45.5
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		46.1
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9		44.4
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3		46.7
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4		54.2
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		45.1

Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	48.5
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	47.6
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	53.6
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	46.5
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	50.7
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	52.7
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	46.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	48.5
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	45.2
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	50.8
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	48.7
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	49.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	49.8
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	39.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	49.2
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.3
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	49.1
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	47.8
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	48.4
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	49.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	49.2
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	46.8
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	49.2
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	50
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	49.2
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	48
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	48.9
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	42.6
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.6
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.2
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	50.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	50
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	49.3
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	48.8
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	48.7
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	97.4
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	49.6
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	50.1
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	49
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	49.4
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	49.2
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	49.5
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	49.7
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	48.6
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	48.8
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	49.6
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	49.3
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	48.7
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	49
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47.9

Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	48.6
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	48.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	48.8
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	48.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	48.1
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	52.6
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	49
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	46
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	48
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	51
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	35.2
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	48.6
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	48.8
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	50.9
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	52.1
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	54
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	50.8
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	48.2
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	46.6
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	53.9
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	48.9
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	48.9
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	53.4
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	43.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	48.4
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	45.9
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	49.9
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	49.1
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	49.8
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	49.9
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	52.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	49.9
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	50.6
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49.2
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	49.1
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	50.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	47.6
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	49.9
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	50.5
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	50
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	49.5
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	51.6
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	44
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.9
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.9
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	49.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	49
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	47.3
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	47.8
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.5

Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	50.1
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	101
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	46.2
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	52.3
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	50.7
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	47.7
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	51.5
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	47.7
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	51.2
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	49.4
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	51.5
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.8
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	49.5
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.7
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.8
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	50.9
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.6
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	50.7
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	50.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	47.3
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	50.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	31.4
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	39.5
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	31.6
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	29.1
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	39.3
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	55.8
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	47.8
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	53
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50.4
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	47.3
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	50.6
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	54.2
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	49.8
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	51.9
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	48.6
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	55.2
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	48
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	52.6
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	53.6
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	35.1
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	49.7
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	45.9
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	53.7
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	54.5
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	52.2
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	23.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	53
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	55.1
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	54
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49.6

Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	51
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	54.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	53.3
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	50.5
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	54.5
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	53.4
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	53.3
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	46.7
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	47
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	45.2
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	52.8
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	52.6
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	54.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.7
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	52.2
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	49.5
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52.2
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	49.9
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	99.8
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	52.5
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	51.7
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	51.2
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	49
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	51.9
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	48
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	52.2
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	50.5
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	49.7
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	50.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.3
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.7
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	48.7
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.5
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	47.6
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	50.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	48.4
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	44.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	34.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	13
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	24.9
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	18.6
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	36
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	51.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	55.1
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	46.3
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	52.3
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50.1
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	47.9
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	50.2

Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	53.4
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	50.4
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	51.2
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	49.5
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.8
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	47.1
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	51.9
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	52.8
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	34.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	49.4
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	45.7
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	53.2
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.6
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	53.8
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.7
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	22.2
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	52.6
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	54.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	53.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49.7
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	50.2
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	53.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.8
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	50.5
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	54.1
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	53.5
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.8
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	45.7
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	46.5
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	45.2
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.7
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	51.2
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	53.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51.8
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	53
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	48.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51.8
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	49.9
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	99.5
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	52.2
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	51
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	50.5
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	48.4
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	52.3
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	47.2
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	53
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	50.7
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	50.8
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.6
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	50.2
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	51.4
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	48.1

Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	49.6
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	49
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	48.5
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	51
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	48.6
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	47.2
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	34.7
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	38.8
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	32.4
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	32.2
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	38.1
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	52.5
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.4
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.6
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	53.2
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	44.8
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	53
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	49.1
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	41.3
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	48.8
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	53.9
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	52.2
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	48.1
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	48
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	55.2
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	45.5
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	50.2
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	53.6
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	32.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	48.2
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	43.9
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	51.2
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	49
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	52.4
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	50
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	18.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.1
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	52.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.7
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	48.4
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	48.8
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	52.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.1
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.1
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	53.2
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	51.6
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	51.1
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	43.5
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	44.1
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	43.3
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	51

Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	52.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	50.7
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	47.5
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	48
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.9
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	48.8
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	97.4
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	51.2
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	34.9
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	49.7
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	48
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	50
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	45.9
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	50.6
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	48.4
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	48.4
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.9
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.8
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	47.7
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	46.3
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	47.3
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	46.5
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	48.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	46.6
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	44.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	37
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	43.5
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	32.9
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	32.7
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	38.9
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	52.6
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	53.6
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	43.2
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	53.8
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	48.4
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	41.1
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	48.7
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	52.9
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	56
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	48.4
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	47.3
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.6
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	47.8
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	50.8
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	54.4
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	31.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	48.5
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	44.2
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	51.7

Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	49
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	52.7
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	17.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.7
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	53.5
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	52.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	49.7
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	53
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	51.6
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.2
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	53.1
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	51.6
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	43.3
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	44.3
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	43.7
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.6
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	51.4
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	53.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51.5
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	46.4
Volatiles W	S	8260B	ug/L	1	no	Chloroben:	108-90-7	48
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	48.9
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	97.2
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	52.1
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	34.6
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	49.7
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	48.6
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.4
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	45.6
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	50.7
Volatiles W	S	8260B	ug/L	1	no	Bromoben:	108-86-1	48.6
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	48.4
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.8
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.7
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	47.5
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	46.1
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	46.4
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	46.7
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	45.8
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	46.9
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	43.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	35.7
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	42
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	32
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	31.8
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	36.6
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	52.6

Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		4
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		0.79
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.45
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283

Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		4.25
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		52.3
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.4
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.2
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		54.4
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		49.4
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3		50.6
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		48.2
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9		44.9
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3		48.5
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4		62.5
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		39.4
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4		52.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0		51.7
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1		51.7
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3		46.1
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1		50.8
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6		48.6
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6		49.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		50.4
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		45.5
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4		53
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5		50.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3		53.3
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2		52.1
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7		60.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2		51
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		53.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6		54.8
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6		50.6
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		50.2

Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	54.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	50.9
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	52.9
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	53.3
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	52
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	54.1
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53.7
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	45
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	52
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.7
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	54.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.1
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	51.4
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	49.4
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51.8
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	50.4
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	100
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	54.5
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	51.6
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	50.7
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	48.6
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	52.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	52
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	54.2
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	51.9
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	52.6
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	52.7
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	52.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	52
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	50
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	52
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	50.8
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	51.7
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	52.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	51.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	36.4
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	15.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	28.5
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	20.8
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	43.8
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00101
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00096
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.001
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.001
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	< 3.36E-05
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00102
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.001
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	1130
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	1130
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	< 5

TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			1020
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			1020
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			240
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			230
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		<	5
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			1010
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A			999
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.8
pH	SM 4500-H	s.u.	1	no	pH	N/A			7.76
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.98
pH	SM 4500-H	s.u.	1	no	pH	N/A			7
pH	SM 4500-H	s.u.	1	no	pH	N/A			8.75
pH	SM 4500-H	s.u.	1	no	pH	N/A			8.73
pH	SM 4500-H	s.u.	1	no	pH	N/A			6.98
pH	SM 4500-H	s.u.	1	no	pH	N/A			7
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Cc	N/A			10100
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Cc	N/A			10100
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Cc	N/A			0
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Cc	N/A			1410
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Cc	N/A			1420
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4			0.125
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2			0.482
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3			1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7			0.024
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9			0.247
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4			0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-47-3			0.108
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-50-8			0.13
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0			0.254
Dissolved I	S 6010B	mg/L	1	no	Dissolved L	7439-92-1			0.505
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0			0.222
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2			0.425
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5			0.306
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0			0.506
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2			0.264
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6			0.243
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4			0.124
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2			0.468
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3			1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7			0.024
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9			0.246
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4			0.256
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-47-3			0.108
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-50-8			0.13
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0			0.256
Dissolved I	S 6010B	mg/L	1	no	Dissolved L	7439-92-1			0.498
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0			0.233
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2			0.466
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5			0.311
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0			0.501
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2			0.264
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6			0.242

Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.123
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.501
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.239
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.107
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.238
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.521
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.225
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.406
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.306
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.469
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.263
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.238
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.125
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.531
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.05
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.239
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.245
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.109
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.126
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.249
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.513
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.242
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.427
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.284
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.456
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.268
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.243
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.0017
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.0015
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.0071
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.13
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	1.01

Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	1.05
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.989
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.996
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.978
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.991
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.981
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.987
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	1.05
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.95
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.987
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.983
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.44
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.47
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.46
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.49
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.1
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	12
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.38
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.3
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.2
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.2
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	13.5
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	13.5
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	69.4
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	102
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	69.5
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	102
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	< 0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168

Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.37
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.33
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.35
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.38
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.35
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.35
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.43
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.43
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.45
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.46
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.1
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2
NO2 (IC)	E 300.0	mg/L	50	no	Nitrite-N	14797-65-0		122
NO2 (IC)	E 300.0	mg/L	50	no	Nitrite-N	14797-65-0		122
NO3 (IC)	E 300.0	mg/L	50	no	Nitrate-N	14797-55-8		130
NO3 (IC)	E 300.0	mg/L	50	no	Nitrate-N	14797-55-8		130
Ion Chroma	E 300.0	mg/L	50	no	Chloride	16887-00-6		889
Ion Chroma	E 300.0	mg/L	50	no	Fluoride	16984-48-8		118
Ion Chroma	E 300.0	mg/L	50	no	Sulfate	14808-79-8		982
Ion Chroma	E 300.0	mg/L	50	no	Chloride	16887-00-6		890
Ion Chroma	E 300.0	mg/L	50	no	Fluoride	16984-48-8		118
Ion Chroma	E 300.0	mg/L	50	no	Sulfate	14808-79-8		982
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.38
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.33
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.38
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.34
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.7
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.26
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		5.15
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.37
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.31
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.87

Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		5.04
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6		0.00098
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6		0.00098
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6		0.00098
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6		0.00103
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6	<	3.36E-05
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6		0.00095
Hg, Total	S 7470A	mg/L	1	no	Total Mercu	7439-97-6		0.0009
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.48
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.48
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.53
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.52
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		12.2
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.4
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.5
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		12.2
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.4
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.5
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12.6
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		12.4
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		19.8
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		19.7
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		130
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.3
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		167
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		130
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		168
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.42
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.4
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		12.2
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.41
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.44
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.42
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		12.2
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.4
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		677
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		677
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		0
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		1400
Conductivit	SM 2510B	µMHOS/cm	1	no	Specific Co	N/A		1420
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0866
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0914
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0698
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0706

Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5	<	0.000829
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5		0.112
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5		0.111
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5		0.0866
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5		0.0914
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5	<	0.00402
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5		0.112
Amenable	SM 4500-C	mg/L		1	no	Amenable	57-12-5		0.111
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Bicarbonat	N/A		86
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Total Alkali	N/A		86
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Bicarbonat	N/A		86
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Total Alkali	N/A		86
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Total Alkali	N/A	<	2.38
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Carbonate	N/A		240
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Bicarbonat	N/A		10
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Total Alkali	N/A		250
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Carbonate	N/A		236
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Bicarbonat	N/A		8
Alkalinity	SM 2320B	mg/L	as Ca	1	no	Total Alkali	N/A		244
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5		0.0898
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5		0.106
Total Cyan	SM 4500-C	mg/L		2	no	Total Cyan	57-12-5		0.351
Total Cyan	SM 4500-C	mg/L		2	no	Total Cyan	57-12-5		0.358
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5	<	0.000829
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5		0.106
Total Cyan	SM 4500-C	mg/L		1	no	Total Cyan	57-12-5		0.106
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		156
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		158
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A	<	5
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		1020
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		1020
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.2
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.03
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		3.86
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.09
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7	<	0.56
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.65
Ammonia	SM 4500-N	mg/L		1	no	Ammonia-N	7664-41-7		4.82
Volatiles W	S 8260B	ug/L		1	no	Bromochlo	74-97-5		51.9
Volatiles W	S 8260B	ug/L		1	no	Dichlorodifl	75-71-8		49.4
Volatiles W	S 8260B	ug/L		1	no	Chlorometh	74-87-3		52.5
Volatiles W	S 8260B	ug/L		1	no	Vinyl Chlor	75-01-4		52.3
Volatiles W	S 8260B	ug/L		1	no	Bromometh	74-83-9		55.9

Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	55.9
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	53.9
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	42.3
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	49.8
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	49.2
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	56.5
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	48.1
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	55.6
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	57.4
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	50.9
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	46.9
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	47.6
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	53.2
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	51.1
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	50.6
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.8
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	40.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.5
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	50
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	49.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.8
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	49.8
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	48.2
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.9
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	47.9
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.5
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.2
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	51.5
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	54.7
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	48.4
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.1
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	53.6
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	53.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.5
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	48.5
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	46.9
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52.4
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	52.3
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	106
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	52.6
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	56.5
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	54
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	53.1
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	51
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	51.2
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	51.2
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	50.2
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	50.3
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	50.7
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	49.1
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.5

Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.6
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	48.9
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	49.2
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	49.4
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	50.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50.2
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	48.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	51.5
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	45.2
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	45.7
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	47.3
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	42.1
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	49.2
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	51.2
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	49.1
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	52.3
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	51.6
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	53.2
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	53.1
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	53.7
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	42.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	50.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	50
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	56.2
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46.9
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	54.3
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	55.2
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	50.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	47.6
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	48
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	54.1
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	51
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.3
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.5
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	40.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.7
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	49.9
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	52
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	50.3
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	49.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.8
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	48.3
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	51.7
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	52.8
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.8
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	51.9
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	54.8
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	48.8
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.6

Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	53.5
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	54.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	53.5
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	50
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47.6
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52.3
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	53.1
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	107
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	53.8
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	57.1
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	54.6
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	53.4
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	51.8
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	52.2
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	52.6
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	51.1
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	51.2
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.6
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	50.5
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	52
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	48.6
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	50.5
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	50.1
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	51.3
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	51.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	51.2
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	49.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	52
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	50.8
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	47.6
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	53.5
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	43.9
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	49.8
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	52.2
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	45.8
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	51.7
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	48.7
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	51.8
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	51.8
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	48
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	40.8
Volatiles W	S	8260B	ug/L	1	no	Iodomethan	74-88-4	49.9
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	45.5
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	56.8
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	47.6
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	57.6
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	59
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	50
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	43.6
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	47.8

Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	56.2
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	48.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	50.2
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	50.6
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	36.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.7
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	49.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	46
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	45.5
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	47.8
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	42.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.4
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	43.2
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	51.8
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	51.7
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.4
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	50.5
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53.3
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	44.2
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	53
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	53.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	53.6
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	39.6
Volatiles W	S 8260B	ug/L	1	no	Chlorobenz	108-90-7	43.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	46.4
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	93.4
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	53.3
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	50.2
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	49
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	53.8
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	46.3
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	52.6
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	45.3
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	48.2
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	44
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	45.4
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	43.6
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	45.9
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	44.4
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	43.1
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	45.8
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	44.1
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	46.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	47.7
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	43
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	53
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	48.8
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	45.1
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	52.3
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	40

Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49.4
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.4
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	49.8
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	51.7
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	48.9
Volatiles W	S	8260B	ug/L	1	no	Chlorometl	74-87-3	51.3
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	50.5
Volatiles W	S	8260B	ug/L	1	no	Bromometl	74-83-9	51.3
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	52.3
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	55.5
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	41.4
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	50.6
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	49.9
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	55.7
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	49
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	55
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	56.5
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	48.6
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	47.8
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	47.8
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	54.3
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	50
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.4
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.7
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	37.9
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50.6
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50.6
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.6
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	49.9
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	48.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.2
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	47.3
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.7
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.7
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.2
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	51.6
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53.6
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	47.8
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.7
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	52.3
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	54.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	53.1
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	44
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	46.6
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51.6
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	51.1
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	102
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	53.2
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	52.9
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	52.8
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	53

Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8		50.4
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4		51.5
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8		50.6
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1		50
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1		48.9
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8		49.5
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6		48.4
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		49.5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7		46.8
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8		48.2
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1		48.4
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		48.3
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4		49.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1		50
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		46.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		51.6
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		50
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		45.6
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		51.9
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		43.1
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		48.9
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		48.9
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		49.6
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		4.16
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	<	0.689
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933

Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.28
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		49.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		50.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		48.3
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		51.7
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		51.8
Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3		46.3
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		45.9
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9		47.3
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3		46.6

Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	54.8
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	218
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	52
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	50.8
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.3
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	83.5
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	57.6
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	76.7
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	55.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	49
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	53.8
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	54.6
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	51.2
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.3
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	52.3
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	52.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50.1
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.4
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.1
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	52.8
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	50
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	49.3
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.6
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.9
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.6
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	53.1
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.6
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	55.4
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	56.7
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	48.2
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.3
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	52.9
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	55.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	54.6
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	49.2
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52.3
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	52.6
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	105
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	54
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	56.6
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	54
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	53.3
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	52.6
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	54.5
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	53.8
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	52.1
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	52.3
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	52.8
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	51.9
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	52.5
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	49.3

Volatiles W	S 8260B	ug/L	1	no	sec-Butylb	135-98-8	52
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	51
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	52.9
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	52.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	52.4
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	52.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	53.4
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	46.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	49.2
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	49.2
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	49.4
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	0.00094
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	0.00093
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	0.00098
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	0.001
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	< 3.36E-05
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	0.00102
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	0.00097
pH	SM 4500-H	s.u.	1	no	pH	N/A	7.79
pH	SM 4500-H	s.u.	1	no	pH	N/A	7.77
pH	SM 4500-H	s.u.	1	no	pH	N/A	6.93
pH	SM 4500-H	s.u.	1	no	pH	N/A	7
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.0898
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.106
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	< 0.000829
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.106
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	0.106
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.14
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.495
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.954
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.241
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.096
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.122
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.238
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.498
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.246
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.467
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.301
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.504
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.252
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.232
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.135
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.516
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.959
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.239
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.097
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.122
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.239

Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.497
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.227
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.448
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.309
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.48
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.252
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.126
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.446
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.238
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.245
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.104
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.138
Dissolved M	S 6010B	mg/L	1	no	Dissolved H	7440-02-0	0.243
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.511
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.223
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.465
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.308
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.473
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.268
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.245
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.131
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.47
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.242
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.101
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.135
Dissolved M	S 6010B	mg/L	1	no	Dissolved H	7440-02-0	0.241
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.504
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.237
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.448
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.304
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.425
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.263
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.242
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.0017
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved H	7440-02-0	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.0124

Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.0015
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.0071
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.124
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.947
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.981
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.985
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.983
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		0.981
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1		1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.955
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.973
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.983
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.971
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.976
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.129
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1		1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		1
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		1.05
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		1.02
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		74
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		74
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		74
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		74
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<	3.36
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		240
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		10
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		250
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		244
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		6
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		250
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6		0.00101
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6		0.00101
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6		0.00092
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6		0.00092
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6	<	3.36E-05
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6		0.00103
Hg, Total	S 7470A	mg/L	1	no	Total Merci	7439-97-6		0.001
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.133
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.128
As, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.506
As, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.448
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1.04
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1.03
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.026
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.025
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.26
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.255
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.25
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.255
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.107
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.106
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.132
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.131
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved N	7440-02-0		0.259
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved N	7440-02-0		0.255
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved L	7439-92-1		0.526
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved L	7439-92-1		0.51
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.253
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.235
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.488
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.478
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		0.307
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		0.306
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.52
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		0.525
V, Dissolve	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.26
V, Dissolve	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.266
Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.257
Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.253
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.133
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		0.506
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		0.026
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		0.26
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		0.25
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		0.107
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		0.132
Dissolved M	S 6010B	mg/L	1	no	Dissolved N	7440-02-0		0.259
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1		0.526

Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.253
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.488
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.307
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.52
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.26
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.257
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.128
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.448
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.255
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.255
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.106
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.131
Dissolved M	S 6010B	mg/L	1	no	Dissolved N	7440-02-0	0.255
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.51
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.478
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.306
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.525
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.266
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.253
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.115
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.119
As, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.43
As, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.44
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.878
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.939
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.569
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.619
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.22
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.236
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.09
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.098
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1.38
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1.4
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved N	7440-02-0	0.359
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved N	7440-02-0	0.352
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.499
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.496
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.255
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.234
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.439
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.436
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.281
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.293
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.422
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.433
V, Dissolve	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.226
V, Dissolve	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.243

Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	2.55
Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	2.57
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.115
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.43
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.878
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.023
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.569
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.22
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.09
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1.38
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.359
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.499
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.255
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.439
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.281
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.422
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.226
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	2.55
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.119
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.44
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.939
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.024
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.619
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.236
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.098
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1.4
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.352
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	0.496
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.234
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.436
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.293
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.433
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.243
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	2.57
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	< 0.0021
As, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	< 0.0043
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	< 0.0017
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	< 0.0022
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	< 0.0014
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	< 0.0022
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	< 0.0009
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	< 0.0014
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	< 0.0019
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	< 0.0074
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	< 0.0166
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	< 0.0131
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	< 0.0124
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	< 0.0189
V, Dissolve	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	< 0.0015
Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	< 0.0071
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043

Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	0.0017
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.0022
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.0014
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.0022
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.0009
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.0014
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.0019
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.0074
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.0166
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	0.0124
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	0.0189
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.0015
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.0071
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.126
As, Dissolv	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.997
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.01
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.997
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	1.03
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	1
Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	1.02
Cu, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.999
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.994
Pb, Dissolv	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	1.05
Sb, Dissolv	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.964
Se, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.05
Sn, Dissolv	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	1.01
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	1.03
V, Dissolve	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.975
Zn, Dissolv	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.997
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.126
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.997
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.997
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	1
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	1.02
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.999
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.994
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.964
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.975
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.997
Ag, Dissolv	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.118
As, Dissolv	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.946
Ba, Dissolv	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	0.949
Be, Dissolv	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.922
Cd, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.967
Co, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.938

Cr, Dissolv	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.965
Cu, Dissol	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.93
Ni, Dissolv	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.927
Pb, Dissol	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.979
Sb, Dissol	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.911
Se, Dissol	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.999
Sn, Dissol	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.951
Tl, Dissolve	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.943
V, Dissolve	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.915
Zn, Dissol	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.929
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.118
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.946
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	0.949
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.922
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.967
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.938
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.965
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.93
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.927
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.979
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.911
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.999
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.951
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.943
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.915
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.929
Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.5
Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.6
Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.35
Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.36
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.37
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.37
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.4
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.41
SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12
SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.1
Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6	70.6
Chloride (IC	E 300.0	mg/L	5	no	Chloride	16887-00-6	70.6
Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8	11.9
Fluoride (IC	E 300.0	mg/L	5	no	Fluoride	16984-48-8	11.9
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	11.9
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	11.9
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	14
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	14
SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8	104
SO4 (IC)	E 300.0	mg/L	5	no	Sulfate	14808-79-8	104
Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	< 0.035
Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	< 0.0168
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	< 0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	< 0.0238
Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.5

Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.33
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.33
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.27
SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.4
Chloride (IC	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.6
Fluoride (IC	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.31
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.34
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.29
SO4 (IC)	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.5
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.39
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.42
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.43
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.45
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.39
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.2
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.39
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.2
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	13.4
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	13.3
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	70
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	103
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	68.7
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	103
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	< 0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.34
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.28
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.5
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.33
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.5
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.37
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.32
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.35
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.43
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.44
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.48
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.49
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	12
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.42
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.4
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	12

Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.42
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.4
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.2
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16.6
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16.7
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	95.2
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	124
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	96.1
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12.3
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	125
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	< 0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.36
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.31
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.36
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.7
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.4
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.35
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.9
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.38
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	11.7
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.42
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0	2.42
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.47
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	2.47
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.9
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.41
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.3
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	11.9
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	2.41
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	12.4
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.1
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0	12.2
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16.1
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8	16.1
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	97.4
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	111
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6	97.5
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8	12.2
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8	111
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	< 0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	< 0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6	0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8	0.0238

NO2 (IC)	E 300.0	mg/L		1	no	Nitrite-N	14797-65-0		2.35
NO3 (IC)	E 300.0	mg/L		1	no	Nitrate-N	14797-55-8		2.29
Ion Chrom	E 300.0	mg/L		1	no	Chloride	16887-00-6		11.6
Ion Chrom	E 300.0	mg/L		1	no	Fluoride	16984-48-8		2.34
Ion Chrom	E 300.0	mg/L		1	no	Sulfate	14808-79-8		11.5
NO2 (IC)	E 300.0	mg/L		1	no	Nitrite-N	14797-65-0		2.4
NO3 (IC)	E 300.0	mg/L		1	no	Nitrate-N	14797-55-8		2.36
Ion Chrom	E 300.0	mg/L		1	no	Chloride	16887-00-6		11.9
Ion Chrom	E 300.0	mg/L		1	no	Fluoride	16984-48-8		2.39
Ion Chrom	E 300.0	mg/L		1	no	Sulfate	14808-79-8		11.9
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.8
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.82
pH	SM 4500-H	s.u.		1	no	pH	N/A		6.96
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.04
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.72
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.73
pH	SM 4500-H	s.u.		1	no	pH	N/A		6.94
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.03
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.82
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.82
pH	SM 4500-H	s.u.		1	no	pH	N/A		6.97
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.05
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.83
pH	SM 4500-H	s.u.		1	no	pH	N/A		7.83
pH	SM 4500-H	s.u.		1	no	pH	N/A		6.96
pH	SM 4500-H	s.u.		1	no	pH	N/A		7
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		338
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		332
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		0
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1400
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1420
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		463
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		463
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		0
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1410
Conductivit	SM 2510B	µMHOS/cm		1	no	Specific Co	N/A		1420
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		336
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		326
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A	<	5
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		1000
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		1000
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		314
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		312
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A	<	5
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		997
TDS	SM 2540C	mg/L		1	no	Total Dissc	N/A		996
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Bicarbonat	N/A		80
Alkalinity	SM 2320B	mg/L as Ca		1	no	Total Alkali	N/A		80
Alkalinity	SM 2320B	mg/L as Ca		1	no	Hydroxide	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca		1	no	Carbonate	N/A	<	1

Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A			80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<		4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<		3.36
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A			232
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A			12
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			244
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide .	N/A	<		1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A			236
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A			6
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A			242
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4			0.129
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2			0.508
Dissolved I	S 6010B	mg/L	1	no	Dissolved B	7440-39-3			1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved B	7440-41-7			0.0242
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9			0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4			0.254
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-47-3			0.105
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-50-8			0.129
Dissolved I	S 6010B	mg/L	1	no	Dissolved M	7440-02-0			0.252
Dissolved I	S 6010B	mg/L	1	no	Dissolved L	7439-92-1			0.522
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0			0.255
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2			0.401
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5			0.298
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0			0.485
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2			0.265
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6			0.242
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4			0.128
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2			0.494
Dissolved I	S 6010B	mg/L	1	no	Dissolved B	7440-39-3			1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved B	7440-41-7			0.024
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9			0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4			0.249
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-47-3			0.104
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-50-8			0.128
Dissolved I	S 6010B	mg/L	1	no	Dissolved M	7440-02-0			0.251
Dissolved I	S 6010B	mg/L	1	no	Dissolved L	7439-92-1			0.526
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0			0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2			0.411
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5			0.305
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0			0.471
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2			0.263
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6			0.247
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4			0.128
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2			0.444
Dissolved I	S 6010B	mg/L	1	no	Dissolved B	7440-39-3			1.11
Dissolved I	S 6010B	mg/L	1	no	Dissolved B	7440-41-7			0.024
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9			0.251
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4			0.247

Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.108
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.137
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.246
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.523
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.227
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.418
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.297
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.482
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.269
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.249
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.131
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.503
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.13
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.025
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.257
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.253
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.109
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.14
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.254
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.541
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.235
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.439
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.313
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.508
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.271
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.247
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.0043
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	0.0017
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.0022
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.0009
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.0014
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.0019
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	0.0074
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.0166
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.0124
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.0189
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.0015
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.0071
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.123
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.946
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	0.965
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.973
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	1
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.978
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	0.968
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1	1.02

Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.973
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.911
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.999
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.988
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.991
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.968
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.131
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3	1.05
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	1.08
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	1.07
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved L	7439-92-1	1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	1.08
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	1.04
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	52.8
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	38.2
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	51.5
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52.2
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	58.4
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	58.4
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	53.7
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	51.4
Volatiles W	S 8260B	ug/L	1	no	Iodomethan	74-88-4	48.5
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	47.5
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	56.8
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	45.9
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	53.7
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	58.6
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	42.1
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	46.2
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	51.9
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	52.6
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	50.2
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.4
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	22.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.5
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	51.1
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	49.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49.6
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	50.1
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	47.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.6
Volatiles W	S 8260B	ug/L	1	no	Trichloroeth	79-01-6	46.8

Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	51.9
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	52.5
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.6
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	46.4
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	49.9
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	48.5
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	52.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	53.6
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	54.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	53.2
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	53.6
Volatiles W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	47.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	53.3
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	52.4
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	106
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	53.6
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	55.8
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	54.7
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	54.4
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.5
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	48.3
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	50
Volatiles W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	48.8
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	48.9
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	50.1
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.6
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.2
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	47.2
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.7
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	46.8
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.8
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	44.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	49.6
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	41.6
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	41.5
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	46
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	37.1
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	50.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	48.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48.7
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	52
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	38.3
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	50.3
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	55.8
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	56.3
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	51.2
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	53
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	49.2
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	47.8

Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	57
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	48
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	57.4
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	60
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	42.4
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	46.9
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	51.6
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	53.2
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	50.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	49.8
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	22.9
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50.6
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	50.2
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	49.3
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	50.3
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	50.2
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	48
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.9
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	47.3
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.3
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.5
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	47.1
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	50
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	48.4
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	53
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	53.8
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	53.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	53.3
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	55.6
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47.7
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52.5
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	53.1
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	106
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	53.5
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	55.6
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	54.6
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	55.2
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	51.4
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	50.1
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	51.8
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	50.4
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	50.4
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	51.2
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	49.6
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	51.6
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	48.1
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	48.6
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	49.6
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	48.6
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	50.8

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50.9
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	45.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	51.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	50.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	45.2
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	53.4
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	39.5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	48.8
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47.8
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	49.8
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	39.2
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	48.5
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	48.4
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	49.6
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	52.1
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	52.8
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	44
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	47
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	46.8
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.2
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	44.8
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	54
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	55.8
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	38.6
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	46.1
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	46.6
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	51.2
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	49
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	49.2
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	49.5
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	20.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	49.1
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	48.8
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	48.6
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	49.1
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	48.6
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	47
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50.8
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	45.4
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	49.5
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	50.6
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	50.8
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	44.9
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	46.5
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	46.4
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	50.6
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	51.3
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	52.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51.6
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	43.5
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	45.8

Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50.8
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	51.5
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	102
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	50.9
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	44.7
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	52.6
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	51.2
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.7
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	47.5
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	51.1
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1	49.2
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	49.4
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	49.9
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.9
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	49.1
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	46.8
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	47.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.4
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	47.4
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	49.9
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	49.2
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	45
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	48.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	48.3
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	43.7
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	50.7
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	40.6
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	49.1
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	49
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	35.5
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	46.9
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	46.3
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	48.3
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	51.2
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	49
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	44.8
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	45.6
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	44.6
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	54.4
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46.1
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	54
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	57.1
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	38.1
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	43.4
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	45.3
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	50.7
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	47.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	47.5
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	48.4
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	19.3

Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	48.1
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	47.4
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	46.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	47.5
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	47.7
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	45.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50.1
Volatiles W	S 8260B	ug/L	1	no	Trichloroet	79-01-6	44.8
Volatiles W	S 8260B	ug/L	1	no	Dibromom	74-95-3	49
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	49.7
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	50.1
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dic	10061-01-5	43.8
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	46.5
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	45.7
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.8
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	50.4
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	51.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	51.3
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	41.8
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	44.6
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	49.7
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	49.7
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	99.4
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	50.5
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	44.1
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	50.9
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	52.2
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	49.3
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	48.3
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	48.9
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	48.5
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	47.3
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.2
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	46.5
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	47.7
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	45.5
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	45.6
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	47
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	45.4
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	48.3
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	48.2
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	43.2
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	50.5
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	49.1
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	43.2
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	51.6
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	39.1
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	48.5
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	48.6
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	48
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	< 0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	< 0.0598

Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		4.12
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		3.23
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3		0.2
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423

Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	<	0.417
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.5
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		44.3
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		53
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		46.5
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3		51.5
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4		52.1
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9		58
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3		56
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4		58.3
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		75.4
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4		50.3
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0		50.8
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1		57.5
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3		66.8
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1		56.6
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6		74.1
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6		56.7
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4		48.7
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		51.8
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4		54
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5		52
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3		51
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2		52.4
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7		51.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2		51.2
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3		50.9
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6		50.9
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6		52.3
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2		51
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5		49.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5		53.2
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6		48.6
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3		52.3

Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4			52.9
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8			53.2
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5			54.4
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6			57.7
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3			49.7
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5			53.4
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9			53.9
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1			55
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4			54.5
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4			48.5
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7			48.2
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6			53.5
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4			54.3
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7			109
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2			54.8
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5			57.8
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6			56.1
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5			54.9
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8			53
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4			53.9
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8			53.7
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1			51.8
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1			52.5
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8			52.9
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6			50.7
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6			53
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7			49.6
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8			51.1
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1			51.1
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6			51.4
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4			52.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1			51.7
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8			50.7
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8			51.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6			48.4
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1			47.9
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3			50.8
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3			44.7
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.0992
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.085
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.0829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.085
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	<		0.000829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.114
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5			0.115
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7			4.48
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7			4.65
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7			4.7
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7			4.2
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<		0.56
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7			4.87
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7			4.76

NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.37
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.38
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.43
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.45
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.38
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.2
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.38
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		12.3
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		11.9
NO2 (IC)	E 300.0	mg/L	5	no	Nitrite-N	14797-65-0		11.8
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		14.2
NO3 (IC)	E 300.0	mg/L	5	no	Nitrate-N	14797-55-8		14.2
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		71.7
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.1
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		108
Ion Chroma	E 300.0	mg/L	5	no	Chloride	16887-00-6		71.9
Ion Chroma	E 300.0	mg/L	5	no	Fluoride	16984-48-8		12.1
Ion Chroma	E 300.0	mg/L	5	no	Sulfate	14808-79-8		108
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-(	<	0.0153
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8	<	0.0168
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		0.035
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		0.0168
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		0.0238
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.34
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.3
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.7
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.36
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.6
NO2 (IC)	E 300.0	mg/L	1	no	Nitrite-N	14797-65-0		2.36
NO3 (IC)	E 300.0	mg/L	1	no	Nitrate-N	14797-55-8		2.33
Ion Chroma	E 300.0	mg/L	1	no	Chloride	16887-00-6		11.8
Ion Chroma	E 300.0	mg/L	1	no	Fluoride	16984-48-8		2.35
Ion Chroma	E 300.0	mg/L	1	no	Sulfate	14808-79-8		11.7
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.15
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.15
pH	SM 4500-H	s.u.	1	no	pH	N/A		6.97
pH	SM 4500-H	s.u.	1	no	pH	N/A		7.04
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0992
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.101
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.114
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.115
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0969
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.0992
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5	<	0.000829
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.115
Amenable	SM 4500-C	mg/L	1	no	Amenable	57-12-5		0.116
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0969
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.0992
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5		0.109

Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	0.11
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	< 0.000829
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	0.115
Total Cyan	SM 4500-C	mg/L	1	no	Total Cyan	57-12-5	0.116
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00102
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00105
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00105
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00103
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	< 3.36E-05
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00109
Hg, Total	S 7470A	mg/L	1	no	Total Merc	7439-97-6	0.00094
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Co	N/A	336
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Co	N/A	336
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Co	N/A	0
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Co	N/A	1410
Conductivit	SM 2510B	µMHOS/cn	1	no	Specific Co	N/A	1410
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.13
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.49
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.023
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.254
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.102
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.13
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.252
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.514
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.246
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.439
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.317
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.508
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.265
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.259
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.131
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.508
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.02
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.025
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-43-9	0.255
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-48-4	0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-47-3	0.102
Dissolved I	S 6010B	mg/L	1	no	Dissolved C	7440-50-8	0.129
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.252
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.525
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-36-0	0.259
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.449
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-31-5	0.316
Dissolved I	S 6010B	mg/L	1	no	Dissolved T	7440-28-0	0.515
Dissolved I	S 6010B	mg/L	1	no	Dissolved V	7440-62-2	0.264
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.253
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.122
Dissolved I	S 6010B	mg/L	1	no	Dissolved A	7440-38-2	0.517
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-39-3	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved E	7440-41-7	0.022

Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.241
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.243
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.1
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.14
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.243
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.506
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.259
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.436
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	0.303
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	0.457
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.263
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.241
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.123
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.492
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-39-3	1.05
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-41-7	0.026
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.242
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.242
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.099
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.139
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.246
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.507
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.245
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.462
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	0.302
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	0.489
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.261
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.24
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.0021
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	0.0043
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-39-3	0.0017
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-41-7	0.0022
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	0.0014
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.0022
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	0.0009
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.0014
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-02-0	0.0019
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7439-92-1	0.0074
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-36-0	0.0166
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7782-49-2	0.0131
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-31-5	0.0124
Dissolved I	S 6010B	mg/L	1	no	Dissolved ~	7440-28-0	0.0189
Dissolved I	S 6010B	mg/L	1	no	Dissolved \	7440-62-2	0.0015
Dissolved I	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6	0.0071
Dissolved I	S 6010B	mg/L	1	no	Dissolved S	7440-22-4	0.126
Dissolved I	S 6010B	mg/L	1	no	Dissolved /	7440-38-2	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-39-3	1.01
Dissolved I	S 6010B	mg/L	1	no	Dissolved I	7440-41-7	0.996
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-43-9	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-48-4	0.994
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-47-3	1.03
Dissolved I	S 6010B	mg/L	1	no	Dissolved (	7440-50-8	0.993

Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		0.989
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		0.983
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		0.984
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		0.992
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7440-22-4		0.129
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-38-2		1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-39-3		1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved B	7440-41-7		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-43-9		1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-48-4		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-47-3		1.05
Dissolved M	S 6010B	mg/L	1	no	Dissolved C	7440-50-8		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7440-02-0		1.02
Dissolved M	S 6010B	mg/L	1	no	Dissolved M	7439-92-1		1.03
Dissolved M	S 6010B	mg/L	1	no	Dissolved A	7440-36-0		1.01
Dissolved M	S 6010B	mg/L	1	no	Dissolved S	7782-49-2		1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-31-5		1.04
Dissolved M	S 6010B	mg/L	1	no	Dissolved T	7440-28-0		1.06
Dissolved M	S 6010B	mg/L	1	no	Dissolved V	7440-62-2		0.996
Dissolved M	S 6010B	mg/L	1	no	Dissolved Z	7440-66-6		1.01
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.87
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.76
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.2
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.59
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7	<	0.56
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.76
Ammonia	SM 4500-N	mg/L	1	no	Ammonia-N	7664-41-7		4.59
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		78
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		78
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		80
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A	<	4
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A	<	3.36
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		236
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		8
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		244
Alkalinity	SM 2320B	mg/L as Ca	1	no	Hydroxide A	N/A	<	1
Alkalinity	SM 2320B	mg/L as Ca	1	no	Carbonate	N/A		220
Alkalinity	SM 2320B	mg/L as Ca	1	no	Bicarbonat	N/A		30
Alkalinity	SM 2320B	mg/L as Ca	1	no	Total Alkali	N/A		250
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		51.5

Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	46.5
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	52.8
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52.6
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	53.2
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	56.2
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	57.1
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	42.4
Volatiles W	S	8260B	ug/L	1	no	Iodomethan	74-88-4	50.4
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	51
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	58.5
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	44.5
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	56.5
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	54.3
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	48.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	50.5
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	51.1
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	56
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	53.3
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	50.6
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	52.5
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	38.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	52
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.5
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	52.7
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	51.5
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	47.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	52.9
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.1
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	50.6
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	52.9
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	52.9
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	51.5
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	48.5
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	50.9
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	52.5
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	52.7
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.6
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	51.3
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	46.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51.7
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	51.8
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	103
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	49.7
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	54.5
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	53
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	51.8
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	50.7
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	52.2
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	49.9
Volatiles W	S	8260B	ug/L	1	no	Bromoben	108-86-1	51.5

Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	48
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	48.9
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	45.8
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	48.8
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	46.8
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	44.3
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.2
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	45
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	50.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	43
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	49.1
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	34.4
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	37.6
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	40.2
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	37.7
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	50.2
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.1
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	51.5
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	48.8
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	51.4
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	51.6
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	52
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	53.5
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	58.8
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	43.2
Volatiles W	S	8260B	ug/L	1	no	Iodomethar	74-88-4	50.9
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	51.9
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	57.2
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	45.1
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	55.1
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	52.2
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	47.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	51.4
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	51.5
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	55.9
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	53.4
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51.1
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	53.3
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	38.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	51.7
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	53.2
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	51.6
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	48.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	53.2
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.5
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	50.4
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	53.4
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	53.2

Volatiles	W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	52
Volatiles	W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53
Volatiles	W	S 8260B	ug/L	1	no	Toluene	108-88-3	49.4
Volatiles	W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.2
Volatiles	W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	52.8
Volatiles	W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	53.3
Volatiles	W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	53.2
Volatiles	W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	51.8
Volatiles	W	S 8260B	ug/L	1	no	Chloroben:	108-90-7	47.5
Volatiles	W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52
Volatiles	W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	52.2
Volatiles	W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	104
Volatiles	W	S 8260B	ug/L	1	no	Bromoform	75-25-2	50.8
Volatiles	W	S 8260B	ug/L	1	no	Styrene	100-42-5	54.9
Volatiles	W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	53.7
Volatiles	W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	51.9
Volatiles	W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	51.4
Volatiles	W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	52.1
Volatiles	W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	51.1
Volatiles	W	S 8260B	ug/L	1	no	Bromoben:	108-86-1	51.5
Volatiles	W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	48.9
Volatiles	W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	50
Volatiles	W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.2
Volatiles	W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.2
Volatiles	W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.2
Volatiles	W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	46
Volatiles	W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	48.8
Volatiles	W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	46.4
Volatiles	W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	51.3
Volatiles	W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	50.4
Volatiles	W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	44.8
Volatiles	W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	50.5
Volatiles	W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	42.1
Volatiles	W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	40.5
Volatiles	W	S 8260B	ug/L	1	no	Naphthaler	91-20-3	47.1
Volatiles	W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	42
Volatiles	W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7	50.2
Volatiles	W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.2
Volatiles	W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47
Volatiles	W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	52.1
Volatiles	W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	52.7
Volatiles	W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	52.2
Volatiles	W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	52.4
Volatiles	W	S 8260B	ug/L	1	no	Bromometh	74-83-9	50.6
Volatiles	W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	53.8
Volatiles	W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	62
Volatiles	W	S 8260B	ug/L	1	no	Acetone	67-64-1	43.6
Volatiles	W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	51.4
Volatiles	W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	53.6
Volatiles	W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	58.7
Volatiles	W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	50.3
Volatiles	W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	58.4

Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	57.3
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	49.5
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	53.4
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	51
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	57.2
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	54.7
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	52.3
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	54.4
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	38.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	53.1
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	50.8
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	51.8
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	55.2
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	52.6
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	50.4
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	53.6
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	49.3
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	51.6
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	54.5
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	53.6
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	51.9
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53.9
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	49.8
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	53.2
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	54.4
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	55.1
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	54.8
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	44.6
Volatiles W	S	8260B	ug/L	1	no	Chlorobenz	108-90-7	48.2
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	52.7
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	53
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	105
Volatiles W	S	8260B	ug/L	1	no	Bromoform	75-25-2	52
Volatiles W	S	8260B	ug/L	1	no	Styrene	100-42-5	51.5
Volatiles W	S	8260B	ug/L	1	no	o-Xylene	95-47-6	54.6
Volatiles W	S	8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	54.1
Volatiles W	S	8260B	ug/L	1	no	2-Chlorotol	95-49-8	52.2
Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	96-18-4	53.5
Volatiles W	S	8260B	ug/L	1	no	Isopropylbe	98-82-8	51.9
Volatiles W	S	8260B	ug/L	1	no	Bromobenz	108-86-1	52.3
Volatiles W	S	8260B	ug/L	1	no	n-Propylbe	103-65-1	49.6
Volatiles W	S	8260B	ug/L	1	no	1,3,5-Trime	108-67-8	49.9
Volatiles W	S	8260B	ug/L	1	no	tert-Butylbe	98-06-6	47.8
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trime	95-63-6	50.1
Volatiles W	S	8260B	ug/L	1	no	1,4-Dichlor	106-46-7	47.8
Volatiles W	S	8260B	ug/L	1	no	sec-Butylbe	135-98-8	46.9
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	541-73-1	49.4
Volatiles W	S	8260B	ug/L	1	no	p-Isopropyl	99-87-6	46.9
Volatiles W	S	8260B	ug/L	1	no	4-Chlorotol	106-43-4	51.9
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	95-50-1	51.2
Volatiles W	S	8260B	ug/L	1	no	n-Butylben	104-51-8	45.2
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	96-12-8	51

Volatiles W	S	8260B	ug/L	1	no	1,2,3-Trich	87-61-6	44.2
Volatiles W	S	8260B	ug/L	1	no	1,2,4-Trich	120-82-1	41.6
Volatiles W	S	8260B	ug/L	1	no	Naphthaler	91-20-3	48.5
Volatiles W	S	8260B	ug/L	1	no	Hexachlorc	87-68-3	43.7
Volatiles W	S	8260B	ug/L	1	yes	Dibromoflu	1868-53-7	51
Volatiles W	S	8260B	ug/L	1	yes	Toluene-d8	2037-26-5	49.7
Volatiles W	S	8260B	ug/L	1	yes	4-Bromoflu	460-00-4	47.4
Volatiles W	S	8260B	ug/L	1	no	Bromochlo	74-97-5	50.9
Volatiles W	S	8260B	ug/L	1	no	Dichlorodifl	75-71-8	47.7
Volatiles W	S	8260B	ug/L	1	no	Chlorometh	74-87-3	50.3
Volatiles W	S	8260B	ug/L	1	no	Vinyl Chlor	75-01-4	49.7
Volatiles W	S	8260B	ug/L	1	no	Bromometh	74-83-9	49.1
Volatiles W	S	8260B	ug/L	1	no	Chloroetha	75-00-3	51.3
Volatiles W	S	8260B	ug/L	1	no	Trichloroflu	75-69-4	58
Volatiles W	S	8260B	ug/L	1	no	Acetone	67-64-1	41
Volatiles W	S	8260B	ug/L	1	no	Iodomethai	74-88-4	50.3
Volatiles W	S	8260B	ug/L	1	no	Carbon Dis	75-15-0	52
Volatiles W	S	8260B	ug/L	1	no	Acrylonitrile	107-13-1	56
Volatiles W	S	8260B	ug/L	1	no	2-Butanone	78-93-3	47.5
Volatiles W	S	8260B	ug/L	1	no	4-Methyl-2-	108-10-1	53.9
Volatiles W	S	8260B	ug/L	1	no	2-Hexanon	591-78-6	55.2
Volatiles W	S	8260B	ug/L	1	no	trans 1,4-D	110-57-6	46.9
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-35-4	51.4
Volatiles W	S	8260B	ug/L	1	no	Methylene	75-09-2	49.4
Volatiles W	S	8260B	ug/L	1	no	MTBE	1634-04-4	55.1
Volatiles W	S	8260B	ug/L	1	no	trans-1,2-D	156-60-5	52.9
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	75-34-3	51
Volatiles W	S	8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	53.3
Volatiles W	S	8260B	ug/L	1	no	2,2-Dichlor	594-20-7	36.6
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	107-06-2	50.8
Volatiles W	S	8260B	ug/L	1	no	Chloroform	67-66-3	49.6
Volatiles W	S	8260B	ug/L	1	no	1,1,1-Trich	71-55-6	50
Volatiles W	S	8260B	ug/L	1	no	1,1-Dichlor	563-58-6	53.5
Volatiles W	S	8260B	ug/L	1	no	Benzene	71-43-2	51.6
Volatiles W	S	8260B	ug/L	1	no	Carbon Tet	56-23-5	48.3
Volatiles W	S	8260B	ug/L	1	no	1,2-Dichlor	78-87-5	53
Volatiles W	S	8260B	ug/L	1	no	Trichloroetl	79-01-6	48.1
Volatiles W	S	8260B	ug/L	1	no	Dibromome	74-95-3	50.3
Volatiles W	S	8260B	ug/L	1	no	Bromodich	75-27-4	53.5
Volatiles W	S	8260B	ug/L	1	no	2-Chloroetl	110-75-8	53
Volatiles W	S	8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	50.9
Volatiles W	S	8260B	ug/L	1	no	trans-1,3-D	10061-02-6	52.1
Volatiles W	S	8260B	ug/L	1	no	Toluene	108-88-3	48.7
Volatiles W	S	8260B	ug/L	1	no	1,1,2-Trich	79-00-5	51.3
Volatiles W	S	8260B	ug/L	1	no	1,3-Dichlor	142-28-9	52.8
Volatiles W	S	8260B	ug/L	1	no	Dibromoch	124-48-1	53.5
Volatiles W	S	8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.9
Volatiles W	S	8260B	ug/L	1	no	Tetrachlorc	127-18-4	43
Volatiles W	S	8260B	ug/L	1	no	Chloroben	108-90-7	47.2
Volatiles W	S	8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	51.3
Volatiles W	S	8260B	ug/L	1	no	Ethylbenze	100-41-4	51.9
Volatiles W	S	8260B	ug/L	1	no	m,p-Xylene	1330-20-7	103

Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2		50.5
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5		49.9
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6		53.2
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5		51.7
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8		51.2
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4		51.2
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8		51
Volatiles W	S 8260B	ug/L	1	no	Bromobenz	108-86-1		51.7
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1		48.5
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8		49
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6		47.4
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		49.1
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7		46.8
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8		45.5
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1		48.6
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		45.9
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4		50.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1		50.1
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		44.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		49.8
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		42.9
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		40
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		47.7
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		42.8
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		50.4
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49.3
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		46.9
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5	<	0.0699
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	Chlorometh	74-87-3	<	0.23
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	<	0.0902
Volatiles W	S 8260B	ug/L	1	no	Bromometh	74-83-9	<	0.74
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	<	0.195
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	<	0.16
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1		2.79
Volatiles W	S 8260B	ug/L	1	no	Iodomethar	74-88-4	<	0.112
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	<	0.0764
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	<	0.184
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	<	0.394
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	<	0.484
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	<	0.0975
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	<	0.42
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2		1.97
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	<	0.0598
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	<	0.0299
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	<	0.101
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	<	0.0665
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	<	0.0475
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	<	0.0846

Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Carbon Te	56-23-5	<	0.121
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	<	0.0933
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	<	0.0495
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	<	0.064
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	<	0.0651
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	<	0.0905
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	<	0.064
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	<	0.0504
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	<	0.0736
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	<	0.106
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	<	0.0625
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	<	0.0791
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	<	0.0696
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	<	0.0217
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	<	0.125
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	<	0.0566
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	<	0.0363
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	<	0.0859
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	<	0.0394
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	<	0.0505
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	<	0.0283
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	<	0.0679
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	<	0.0406
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	<	0.103
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	<	0.0423
Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8	<	0.0557
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6	<	0.077
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6	<	0.0336
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8	<	0.0439
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1	<	0.0672
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6	<	0.0513
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4	<	0.046
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1	<	0.0629
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8	<	0.04
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8	<	0.538
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6	<	0.504
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1	<	0.166
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		0.54
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3	<	0.176
Volatiles W	S 8260B	ug/L	1	no	Isopropyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	Tert-butyl Alcohol		<	5
Volatiles W	S 8260B	ug/L	1	no	1,4-Dioxan	123-91-1	<	5
Volatiles W	S 8260B	ug/L	1	yes	Dibromoflu	1868-53-7		48.8
Volatiles W	S 8260B	ug/L	1	yes	Toluene-d8	2037-26-5		49
Volatiles W	S 8260B	ug/L	1	yes	4-Bromoflu	460-00-4		45.4
Volatiles W	S 8260B	ug/L	1	no	Bromochlo	74-97-5		49.4
Volatiles W	S 8260B	ug/L	1	no	Dichlorodifl	75-71-8		47.7

Volatiles W	S 8260B	ug/L	1	no	Chlorometl	74-87-3	43
Volatiles W	S 8260B	ug/L	1	no	Vinyl Chlor	75-01-4	42.9
Volatiles W	S 8260B	ug/L	1	no	Bromometl	74-83-9	45.7
Volatiles W	S 8260B	ug/L	1	no	Chloroetha	75-00-3	44.8
Volatiles W	S 8260B	ug/L	1	no	Trichloroflu	75-69-4	55.2
Volatiles W	S 8260B	ug/L	1	no	Acetone	67-64-1	40.2
Volatiles W	S 8260B	ug/L	1	no	Iodomethai	74-88-4	50.5
Volatiles W	S 8260B	ug/L	1	no	Carbon Dis	75-15-0	50.3
Volatiles W	S 8260B	ug/L	1	no	Acrylonitrile	107-13-1	51.1
Volatiles W	S 8260B	ug/L	1	no	2-Butanone	78-93-3	46.1
Volatiles W	S 8260B	ug/L	1	no	4-Methyl-2-	108-10-1	53.2
Volatiles W	S 8260B	ug/L	1	no	2-Hexanon	591-78-6	50.1
Volatiles W	S 8260B	ug/L	1	no	trans 1,4-D	110-57-6	49.4
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-35-4	50.5
Volatiles W	S 8260B	ug/L	1	no	Methylene	75-09-2	49.2
Volatiles W	S 8260B	ug/L	1	no	MTBE	1634-04-4	53.8
Volatiles W	S 8260B	ug/L	1	no	trans-1,2-D	156-60-5	51.2
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	75-34-3	48.9
Volatiles W	S 8260B	ug/L	1	no	cis-1,2-Dicl	156-59-2	51.6
Volatiles W	S 8260B	ug/L	1	no	2,2-Dichlor	594-20-7	50.5
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	107-06-2	47.5
Volatiles W	S 8260B	ug/L	1	no	Chloroform	67-66-3	46.6
Volatiles W	S 8260B	ug/L	1	no	1,1,1-Trich	71-55-6	48.5
Volatiles W	S 8260B	ug/L	1	no	1,1-Dichlor	563-58-6	51.7
Volatiles W	S 8260B	ug/L	1	no	Benzene	71-43-2	49.4
Volatiles W	S 8260B	ug/L	1	no	Carbon Tet	56-23-5	47.4
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	78-87-5	50.5
Volatiles W	S 8260B	ug/L	1	no	Trichloroetl	79-01-6	48.2
Volatiles W	S 8260B	ug/L	1	no	Dibromome	74-95-3	49.2
Volatiles W	S 8260B	ug/L	1	no	Bromodich	75-27-4	52.3
Volatiles W	S 8260B	ug/L	1	no	2-Chloroetl	110-75-8	50.5
Volatiles W	S 8260B	ug/L	1	no	cis-1,3-Dicl	10061-01-5	53.2
Volatiles W	S 8260B	ug/L	1	no	trans-1,3-D	10061-02-6	53.2
Volatiles W	S 8260B	ug/L	1	no	Toluene	108-88-3	47.3
Volatiles W	S 8260B	ug/L	1	no	1,1,2-Trich	79-00-5	49.3
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	142-28-9	49.9
Volatiles W	S 8260B	ug/L	1	no	Dibromoch	124-48-1	52.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	106-93-4	52.1
Volatiles W	S 8260B	ug/L	1	no	Tetrachlorc	127-18-4	44.2
Volatiles W	S 8260B	ug/L	1	no	Chloroben	108-90-7	46.1
Volatiles W	S 8260B	ug/L	1	no	1,1,1,2-Tet	630-20-6	50
Volatiles W	S 8260B	ug/L	1	no	Ethylbenze	100-41-4	49.5
Volatiles W	S 8260B	ug/L	1	no	m,p-Xylene	1330-20-7	98
Volatiles W	S 8260B	ug/L	1	no	Bromoform	75-25-2	50.1
Volatiles W	S 8260B	ug/L	1	no	Styrene	100-42-5	52.5
Volatiles W	S 8260B	ug/L	1	no	o-Xylene	95-47-6	50.8
Volatiles W	S 8260B	ug/L	1	no	1,1,2,2-Tet	79-34-5	49.4
Volatiles W	S 8260B	ug/L	1	no	2-Chlorotol	95-49-8	49.9
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	96-18-4	52.2
Volatiles W	S 8260B	ug/L	1	no	Isopropylbe	98-82-8	50.4
Volatiles W	S 8260B	ug/L	1	no	Bromoben	108-86-1	50.4
Volatiles W	S 8260B	ug/L	1	no	n-Propylbe	103-65-1	47.8

Volatiles W	S 8260B	ug/L	1	no	1,3,5-Trime	108-67-8		48.7
Volatiles W	S 8260B	ug/L	1	no	tert-Butylbe	98-06-6		47.8
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trime	95-63-6		48.8
Volatiles W	S 8260B	ug/L	1	no	1,4-Dichlor	106-46-7		47.1
Volatiles W	S 8260B	ug/L	1	no	sec-Butylbe	135-98-8		46.6
Volatiles W	S 8260B	ug/L	1	no	1,3-Dichlor	541-73-1		48.4
Volatiles W	S 8260B	ug/L	1	no	p-Isopropyl	99-87-6		46.9
Volatiles W	S 8260B	ug/L	1	no	4-Chlorotol	106-43-4		50.6
Volatiles W	S 8260B	ug/L	1	no	1,2-Dichlor	95-50-1		50
Volatiles W	S 8260B	ug/L	1	no	n-Butylben	104-51-8		46.1
Volatiles W	S 8260B	ug/L	1	no	1,2-Dibrom	96-12-8		48.3
Volatiles W	S 8260B	ug/L	1	no	1,2,3-Trich	87-61-6		35.9
Volatiles W	S 8260B	ug/L	1	no	1,2,4-Trich	120-82-1		40.1
Volatiles W	S 8260B	ug/L	1	no	Naphthaler	91-20-3		41.6
Volatiles W	S 8260B	ug/L	1	no	Hexachlorc	87-68-3		46.9
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		218
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		214
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A	<	5
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		1010
TDS	SM 2540C	mg/L	1	no	Total Dissc	N/A		1010

mql_sign	mql_result	pql_sign	pql_result	rl_sign	rl_result	mdl	mql	pql
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	76		76		76	4	4	4
	76		76		76	2.38	4	4
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
<	1	<	1	<	1	0.82	1	1
	416		416		416			
<	0.002	<	0.002	<	0.002	0.000199	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.092		0.092		0.092	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
<	0.005	<	0.005	<	0.005	0.002929	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003573	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.00045	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003981	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0116	0.05	0.05
<	0.01	<	0.01	<	0.01	0.005562	0.01	0.01
<	0.025	<	0.025	<	0.025	0.007589	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.001051	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	31.1		31.1		31.1	0.0257	0	2
	0.33		0.33		0.33	0.0168	0	0.2
	42.9		42.9		42.9	0.0598	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	4.94		4.94		4.94	0.0168	0	0.1
	7.77		7.77		7.77			
	256		256		256	5		5
	0.221		0.221		0.221	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
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<	10	<	10	<	10	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
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<	5	<	5	<	5	0.3941	5	5
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<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
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<	1	<	1	<	1	0.0504	1	1
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<	1 <	1 <	1	0.0299	1	1
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<	1 <	1 <	1	0.0933	1	1
<	1 <	1 <	1	0.0495	1	1
<	1 <	1 <	1	0.064	1	1
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<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
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<	1 <	1 <	1	0.0363	1	1
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<	1 <	1 <	1	0.0394	1	1
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<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
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<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5

<	5	<	5	<	5	5	5	5
	49.9		49.9		49.9	0	0	1
	50.7		50.7		50.7	0	0	1
	47.8		47.8		47.8	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
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<	5	<	5	<	5	0.1119	5	5
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<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
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<	1	<	1	<	1	0.0504	1	1
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<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	51.1		51.1		51.1	0	0	1
	50.6		50.6		50.6	0	0	1
	47.9		47.9		47.9	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	88		88		88	4	4	4
	88		88		88	2.38	4	4
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
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	570		570		570			
<	0.002	<	0.002	<	0.002	0.000199	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.058		0.058		0.058	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
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<	0.025	<	0.025	<	0.025	0.007589	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.001051	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	48.2		48.2		48.2	0.0257	0	2

	0	<	0.2	<	0.2	0.0168	0	0.2
	68.9		68.9		68.9	0.0598	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	5.9		5.9		5.9	0.0168	0	0.1
	7.62		7.62		7.62			
	368		368		368	5		5
	0.175		0.175		0.175	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
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<	1	<	1	0.04	1	1
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<	5	<	5	5	5	5
	50		50	50	0	0
	50.8		50.8	50.8	0	0
	47.2		47.2	47.2	0	0
<	1	<	1	0.0699	1	1
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<	10	<	10	0.42007	10	10
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<	1	<	1	0.0665	1	1

<	1 <	1 <	1	0.0557	1	1
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<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.0736	1	1
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<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
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<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	50.9	50.9	50.9	0	0	1
	50.6	50.6	50.6	0	0	1

	47.2		47.2	47.2	0	0	1
<	1	<	1	1	1	1	1
<	1	<	1	1	1	1	1
	88		88	88	4	4	4
	88		88	88	2.38	4	4
<	0.01	<	0.01	0.01	0.00402	0.01	0.01
<	1	<	1	1	0.82	1	1
	809		809	809			
<	0.002	<	0.002	0.002	0.000199	0.002	0.002
<	0.01	<	0.01	0.01	0.0043	0.01	0.01
	0.072		0.072	0.072	0.00045	0.01	0.01
<	0.0025	<	0.0025	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	0.001	0.000577	0.001	0.001
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<	0.005	<	0.005	0.005	0.003573	0.005	0.005
<	0.005	<	0.005	0.005	0.0014	0.005	0.005
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<	0.005	<	0.005	0.005	0.003981	0.005	0.005
<	0.05	<	0.05	0.05	0.0116	0.05	0.05
<	0.01	<	0.01	0.01	0.005562	0.01	0.01
<	0.025	<	0.025	0.025	0.007589	0.025	0.025
<	0.05	<	0.05	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	0.005	0.001051	0.005	0.005
	0.006		0.006	0.006	0.003003	0.005	0.005
<	0.0002	<	0.0002	0.0002	2.17E-05	0.0002	0.0002
	89.8		89.8	89.8	0.0181	0.5	0.5
	1.18		1.18	1.18	0.0119	0.2	0.2
	175		175	175	0.0485	0.5	0.5
	1.87		1.87	1.87	0.0128	0.2	0.2
	9.68		9.68	9.68	0.0106	0.2	0.2
	7.74		7.74	7.74			
	526		526	526	5		5
	0.454		0.454	0.454	0.000829	0.01	0.01
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<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
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	50.3		50.3		50.3	0	0	1
	50.3		50.3		50.3	0	0	1
	46.9		46.9		46.9	0	0	1
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<	1	<	1	<	1	1	1	1
	124		124		124	4	4	4
	124		124		124	2.38	4	4
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
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	818		818		818			
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	0.06		0.06		0.06	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
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<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
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	64.6		64.6		64.6	0.0181	0.5	0.5

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	183		183		183	0.0485	0.5	0.5
	1.63		1.63		1.63	0.0128	0.2	0.2
	9.86		9.86		9.86	0.0106	0.2	0.2
	7.58		7.58		7.58			
	510		510		510	5		5
	0.341		0.341		0.341	0.000829	0.01	0.01
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	51.6		51.6	51.6	0	0	1
	50.6		50.6	50.6	0	0	1
	46.8		46.8	46.8	0	0	1
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	22.5		22.5	22.5	0.8536	10	10
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<	1 <	1 <	1	0.0217	1	1
<	1 <	1 <	1	0.1253	1	1
<	1 <	1 <	1	0.0566	1	1
<	1 <	1 <	1	0.0363	1	1
<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
<	1 <	1 <	1	0.0406	1	1
<	1 <	1 <	1	0.1033	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.077	1	1
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<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0439	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0513	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	50.6	50.6	50.6	0	0	1
	50.6	50.6	50.6	0	0	1

	47.7		47.7	47.7	0	0	1
<	1	<	1	< 1	1	1	1
<	1	<	1	< 1	1	1	1
	104		104	104	4	4	4
	104		104	104	2.38	4	4
	0.439		0.439	0.439	0.00402	0.01	0.01
<	1	<	1	< 1	0.82	1	1
	712		712	712			
<	0.002	<	0.002	< 0.002	0.000199	0.002	0.002
<	0.01	<	0.01	< 0.01	0.0043	0.01	0.01
	0.048		0.048	0.048	0.00045	0.01	0.01
<	0.0025	<	0.0025	< 0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	< 0.001	0.000577	0.001	0.001
<	0.005	<	0.005	< 0.005	0.002929	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003573	0.005	0.005
<	0.005	<	0.005	< 0.005	0.0014	0.005	0.005
<	0.005	<	0.005	< 0.005	0.00045	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003981	0.005	0.005
<	0.05	<	0.05	< 0.05	0.0116	0.05	0.05
<	0.01	<	0.01	< 0.01	0.005562	0.01	0.01
<	0.025	<	0.025	< 0.025	0.007589	0.025	0.025
<	0.05	<	0.05	< 0.05	0.0189	0.05	0.05
<	0.005	<	0.005	< 0.005	0.001051	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	< 0.0002	2.17E-05	0.0002	0.0002
	98.4		98.4	98.4	0.0181	0.5	0.5
<	1	<	1	< 1	0.0119	0.2	0.2
	160		160	160	0.0485	0.5	0.5
	2.01		2.01	2.01	0.0128	0.2	0.2
	8.17		8.17	8.17	0.0106	0.2	0.2
	7.64		7.64	7.64			
	478		478	478	5		5
	0.462		0.462	0.462	0.000829	0.01	0.01
<	1	<	1	< 1	0.0699	1	1
<	1	<	1	< 1	0.0598	1	1
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	51.3		51.3		51.3	0	0	1
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	18.9		18.9		18.9	0.8536	10	10
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<	1	<	1	<	1	0.0629	1	1
<	1	<	1	<	1	0.04	1	1
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<	5	<	5	<	5	0.4166	5	5
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<	5	<	5	<	5	5	5	5
	51		51		51	0	0	1
	50.5		50.5		50.5	0	0	1
	47		47		47	0	0	1
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<	1	<	1	<	1	1	1	1
	106		106		106	4	4	4
	106		106		106	2.38	4	4
	0.163		0.163		0.163	0.00402	0.01	0.01
<	1	<	1	<	1	0.82	1	1
	710		710		710			
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	0.045		0.045		0.045	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
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	0.008		0.008		0.008	0.003573	0.005	0.005
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<	0.005	<	0.005	<	0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	166		166		166	0.0181	0.5	0.5

	1.11		1.11	1.11	0.0119	0.2	0.2
	168		168	168	0.0485	0.5	0.5
	2.7		2.7	2.7	0.0128	0.2	0.2
	8.38		8.38	8.38	0.0106	0.2	0.2
	7.61		7.61	7.61			
	420		420	420	5		5
	0.348		0.348	0.348	0.000829	0.01	0.01
<	1	<	1	1	0.0699	1	1
<	1	<	1	1	0.0598	1	1
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	51.2		51.2	51.2	0	0	1
	51.1		51.1	51.1	0	0	1
	47.1		47.1	47.1	0	0	1
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<	5	<	5	0.7402	5	5
<	1	<	1	0.1952	1	1
<	1	<	1	0.16	1	1
	19.6		19.6	19.6	0.8536	10	10
<	5	<	5	0.1119	5	5
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<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	51.3	51.3	51.3	0	0	1
	50.5	50.5	50.5	0	0	1

	47.1		47.1	47.1	0	0	1
<	1	<	1	< 1	1	1	1
<	1	<	1	< 1	1	1	1
	76		76	76	4	4	4
	76		76	76	2.38	4	4
<	0.01	<	0.01	< 0.01	0.00402	0.01	0.01
<	1	<	1	< 1	0.82	1	1
	445		445	445			
<	0.002	<	0.002	< 0.002	0.000199	0.002	0.002
<	0.01	<	0.01	< 0.01	0.0043	0.01	0.01
	0.065		0.065	0.065	0.00045	0.01	0.01
<	0.0025	<	0.0025	< 0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	< 0.001	0.000577	0.001	0.001
<	0.005	<	0.005	< 0.005	0.002929	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003573	0.005	0.005
<	0.005	<	0.005	< 0.005	0.0014	0.005	0.005
<	0.005	<	0.005	< 0.005	0.00045	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003981	0.005	0.005
<	0.05	<	0.05	< 0.05	0.0116	0.05	0.05
<	0.01	<	0.01	< 0.01	0.005562	0.01	0.01
<	0.025	<	0.025	< 0.025	0.007589	0.025	0.025
<	0.05	<	0.05	< 0.05	0.0189	0.05	0.05
<	0.005	<	0.005	< 0.005	0.001051	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	< 0.0002	2.17E-05	0.0002	0.0002
	48.3		48.3	48.3	0.0181	0.5	0.5
	1.11		1.11	1.11	0.0119	0.2	0.2
	70.4		70.4	70.4	0.0485	0.5	0.5
	1.61		1.61	1.61	0.0128	0.2	0.2
	5.51		5.51	5.51	0.0106	0.2	0.2
	7.69		7.69	7.69			
	300		300	300	5		5
<	0.01	<	0.01	< 0.01	0.000829	0.01	0.01
<	1	<	1	< 1	0.0699	1	1
<	1	<	1	< 1	0.0598	1	1
<	1	<	1	< 1	0.2298	1	1
<	1	<	1	< 1	0.0902	1	1
<	5	<	5	< 5	0.7402	5	5
<	1	<	1	< 1	0.1952	1	1
<	1	<	1	< 1	0.16	1	1
<	10	<	10	< 10	0.8536	10	10
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<	1	<	1	< 1	0.0764	1	1
<	1	<	1	< 1	0.1837	1	1
<	5	<	5	< 5	0.3941	5	5
<	5	<	5	< 5	0.484	5	5
<	5	<	5	< 5	0.0975	5	5
<	10	<	10	< 10	0.42007	10	10
<	1	<	1	< 1	0.0736	1	1
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<	1	<	1	< 1	0.0504	1	1
<	1	<	1	< 1	0.0598	1	1

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<	1 <	1 <	1	0.0665	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.0475	1	1
<	1 <	1 <	1	0.0846	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0495	1	1
<	1 <	1 <	1	0.1213	1	1
<	1 <	1 <	1	0.0933	1	1
<	1 <	1 <	1	0.0495	1	1
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0651	1	1
<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0504	1	1
<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
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<	1 <	1 <	1	0.0566	1	1
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<	1 <	1 <	1	0.0394	1	1
<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
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<	1 <	1 <	1	0.1033	1	1
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<	1 <	1 <	1	0.0557	1	1
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<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0513	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5

<	5	<	5	<	5	5	5	5
	51.9		51.9		51.9	0	0	1
	50.6		50.6		50.6	0	0	1
	47.8		47.8		47.8	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
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<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
	19.7		19.7		19.7	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
<	5	<	5	<	5	0.6888	5	5
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.0299	1	1
<	1	<	1	<	1	0.1006	1	1
<	1	<	1	<	1	0.0665	1	1
<	1	<	1	<	1	0.0557	1	1
<	1	<	1	<	1	0.0475	1	1
<	1	<	1	<	1	0.0846	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.1213	1	1
<	1	<	1	<	1	0.0933	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0651	1	1
<	5	<	5	<	5	0.0905	5	5
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0736	1	1
<	1	<	1	<	1	0.1056	1	1
<	1	<	1	<	1	0.0625	1	1
<	1	<	1	<	1	0.0791	1	1
<	1	<	1	<	1	0.046	1	1
<	1	<	1	<	1	0.0696	1	1
<	1	<	1	<	1	0.0217	1	1
<	1	<	1	<	1	0.1253	1	1
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<	1	<	1	<	1	0.0394	1	1
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<	1	<	1	<	1	0.0672	1	1
<	1	<	1	<	1	0.0513	1	1
<	1	<	1	<	1	0.046	1	1
<	1	<	1	<	1	0.0629	1	1
<	1	<	1	<	1	0.04	1	1
<	5	<	5	<	5	0.5379	5	5
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<	5	<	5	<	5	0.1663	5	5
<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	51.3		51.3		51.3	0	0	1
	50.6		50.6		50.6	0	0	1
	48		48		48	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	90		90		90	4	4	4
	90		90		90	2.38	4	4
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
<	1	<	1	<	1	0.82	1	1
	327		327		327			
<	0.002	<	0.002	<	0.002	0.000199	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.124		0.124		0.124	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
<	0.005	<	0.005	<	0.005	0.002929	0.005	0.005
	0.005		0.005		0.005	0.003573	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.00045	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003981	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0116	0.05	0.05
<	0.01	<	0.01	<	0.01	0.005562	0.01	0.01
<	0.025	<	0.025	<	0.025	0.007589	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.005		0.005		0.005	0.001051	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	23		23		23	0.0181	0.5	0.5

	1.2		1.2	1.2	0.0119	0.2	0.2
	49.4		49.4	49.4	0.0485	0.5	0.5
<	1	<	1	< 1	0.0128	0.2	0.2
	3.34		3.34	3.34	0.0106	0.2	0.2
	7.83		7.83	7.83			
	226		226	226	5		5
<	0.01	<	0.01	< 0.01	0.000829	0.01	0.01
<	1	<	1	< 1	0.0699	1	1
<	1	<	1	< 1	0.0598	1	1
<	1	<	1	< 1	0.2298	1	1
<	1	<	1	< 1	0.0902	1	1
<	5	<	5	< 5	0.7402	5	5
<	1	<	1	< 1	0.1952	1	1
<	1	<	1	< 1	0.16	1	1
<	10	<	10	< 10	0.8536	10	10
<	5	<	5	< 5	0.1119	5	5
<	1	<	1	< 1	0.0764	1	1
<	1	<	1	< 1	0.1837	1	1
<	5	<	5	< 5	0.3941	5	5
<	5	<	5	< 5	0.484	5	5
<	5	<	5	< 5	0.0975	5	5
<	10	<	10	< 10	0.42007	10	10
<	1	<	1	< 1	0.0736	1	1
<	5	<	5	< 5	0.6888	5	5
<	1	<	1	< 1	0.0504	1	1
<	1	<	1	< 1	0.0598	1	1
<	1	<	1	< 1	0.0299	1	1
<	1	<	1	< 1	0.1006	1	1
<	1	<	1	< 1	0.0665	1	1
<	1	<	1	< 1	0.0557	1	1
<	1	<	1	< 1	0.0475	1	1
<	1	<	1	< 1	0.0846	1	1
<	1	<	1	< 1	0.0423	1	1
<	1	<	1	< 1	0.0495	1	1
<	1	<	1	< 1	0.1213	1	1
<	1	<	1	< 1	0.0933	1	1
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<	1	<	1	< 1	0.0651	1	1
<	5	<	5	< 5	0.0905	5	5
<	1	<	1	< 1	0.064	1	1
<	1	<	1	< 1	0.0504	1	1
<	1	<	1	< 1	0.0736	1	1
<	1	<	1	< 1	0.1056	1	1
<	1	<	1	< 1	0.0625	1	1
<	1	<	1	< 1	0.0791	1	1
<	1	<	1	< 1	0.046	1	1
<	1	<	1	< 1	0.0696	1	1
<	1	<	1	< 1	0.0217	1	1
<	1	<	1	< 1	0.1253	1	1
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<	1	<	1	0.05046	1	1
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<	1	<	1	0.1033	1	1
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<	1	<	1	0.0336	1	1
<	1	<	1	0.0672	1	1
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<	1	<	1	0.0672	1	1
<	1	<	1	0.0513	1	1
<	1	<	1	0.046	1	1
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<	5	<	5	0.1663	5	5
<	5	<	5	0.4166	5	5
<	5	<	5	0.1758	5	5
<	5	<	5	5	5	5
<	5	<	5	5	5	5
<	5	<	5	5	5	5
	51.8		51.8	51.8	0	0	1
	50.9		50.9	50.9	0	0	1
	47.8		47.8	47.8	0	0	1
<	1	<	1	0.0699	1	1
<	1	<	1	0.0598	1	1
<	1	<	1	0.2298	1	1
<	1	<	1	0.0902	1	1
<	5	<	5	0.7402	5	5
<	1	<	1	0.1952	1	1
<	1	<	1	0.16	1	1
	21.1		21.1	21.1	0.8536	10	10
<	5	<	5	0.1119	5	5
<	1	<	1	0.0764	1	1
<	1	<	1	0.1837	1	1
<	5	<	5	0.3941	5	5
<	5	<	5	0.484	5	5
<	5	<	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	0.0736	1	1
<	5	<	5	0.6888	5	5
<	1	<	1	0.0504	1	1
<	1	<	1	0.0598	1	1
<	1	<	1	0.0299	1	1
<	1	<	1	0.1006	1	1
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<	1 <	1 <	1	0.0846	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0495	1	1
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<	1 <	1 <	1	0.0651	1	1
<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0504	1	1
<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
<	1 <	1 <	1	0.1253	1	1
<	1 <	1 <	1	0.0566	1	1
<	1 <	1 <	1	0.0363	1	1
<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
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<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
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<	1 <	1 <	1	0.0557	1	1
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<	1 <	1 <	1	0.0672	1	1
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<	1 <	1 <	1	0.04	1	1
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<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	52.2	52.2	52.2	0	0	1
	50.9	50.9	50.9	0	0	1

	48.3		48.3	48.3	0	0	1
<	1	<	1	< 1	1	1	1
<	1	<	1	< 1	1	1	1
	94		94	94	4	4	4
	94		94	94	2.38	4	4
<	0.01	<	0.01	< 0.01	0.00402	0.01	0.01
<	1	<	1	< 1	0.82	1	1
	314		314	314			
<	0.002	<	0.002	< 0.002	0.000199	0.002	0.002
<	0.01	<	0.01	< 0.01	0.0043	0.01	0.01
	0.145		0.145	0.145	0.00045	0.01	0.01
<	0.0025	<	0.0025	< 0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	< 0.001	0.000577	0.001	0.001
<	0.005	<	0.005	< 0.005	0.002929	0.005	0.005
	0.007		0.007	0.007	0.003573	0.005	0.005
<	0.005	<	0.005	< 0.005	0.0014	0.005	0.005
<	0.005	<	0.005	< 0.005	0.00045	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003981	0.005	0.005
<	0.05	<	0.05	< 0.05	0.0116	0.05	0.05
<	0.01	<	0.01	< 0.01	0.005562	0.01	0.01
<	0.025	<	0.025	< 0.025	0.007589	0.025	0.025
<	0.05	<	0.05	< 0.05	0.0189	0.05	0.05
	0.007		0.007	0.007	0.001051	0.005	0.005
<	0.005	<	0.005	< 0.005	0.003003	0.005	0.005
<	0.0002	<	0.0002	< 0.0002	2.17E-05	0.0002	0.0002
	19.8		19.8	19.8	0.0181	0.5	0.5
	1.2		1.2	1.2	0.0119	0.2	0.2
	46.8		46.8	46.8	0.0485	0.5	0.5
<	1	<	1	< 1	0.0128	0.2	0.2
	2.94		2.94	2.94	0.0106	0.2	0.2
	7.9		7.9	7.9			
	206		206	206	5		5
<	0.01	<	0.01	< 0.01	0.000829	0.01	0.01
<	1	<	1	< 1	0.0699	1	1
<	1	<	1	< 1	0.0598	1	1
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<	5	<	5	<	5	5	5	5
	51.7		51.7		51.7	0	0	1
	50.1		50.1		50.1	0	0	1
	46.5		46.5		46.5	0	0	1
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<	1	<	1	<	1	1	1	1
	120		120		120	4	4	4
	120		120		120	2.38	4	4
	0.151		0.151		0.151	0.00402	0.01	0.01
<	1	<	1	<	1	0.82	1	1
	902		902		902			
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	0.056		0.056		0.056	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
	0.011		0.011		0.011	0.0009	0.005	0.005
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<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
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<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
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<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	84.2		84.2		84.2	0.0257	0	2

		0.25		0.25		0.25	0.0168	0	0.2
		143		143		143	0.0598	0	1
		0	<	0.1	<	0.1	0.0153	0	0.1
		10.3		10.3		10.3	0.0168	0	0.1
		7.49		7.49		7.49			
		618		618		618	5		5
		0.151		0.151		0.151	0.000829	0.01	0.01
<		1	<	1	<	1	0.0699	1	1
<		1	<	1	<	1	0.0598	1	1
<		1	<	1	<	1	0.2298	1	1
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<		5	<	5	<	5	0.7402	5	5
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<		1	<	1	<	1	0.1837	1	1
<		5	<	5	<	5	0.3941	5	5
<		5	<	5	<	5	0.484	5	5
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<		10	<	10	<	10	0.42007	10	10
<		1	<	1	<	1	0.0736	1	1
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<		1	<	1	<	1	0.0504	1	1
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<		1	<	1	<	1	0.0665	1	1
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<		1	<	1	<	1	0.0475	1	1
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<		1	<	1	<	1	0.1213	1	1
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<		1	<	1	<	1	0.0495	1	1
<		1	<	1	<	1	0.064	1	1
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<		5	<	5	<	5	0.0905	5	5
<		1	<	1	<	1	0.064	1	1
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<	5	<	5	5	5	5
	52.8		52.8	52.8	0	0	1
	50.8		50.8	50.8	0	0	1
	45.5		45.5	45.5	0	0	1
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<	1	<	1	0.0598	1	1
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<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	52.6	52.6	52.6	0	0	1
	50.7	50.7	50.7	0	0	1

	45.7		45.7	45.7	0	0	1
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<	1	<	1	1	1	1	1
	100		100	100	4	4	4
	100		100	100	2.38	4	4
	0.172		0.172	0.172	0.00402	0.01	0.01
<	1	<	1	1	0.82	1	1
	687		687	687			
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<	0.01	<	0.01	0.01	0.0043	0.01	0.01
	0.122		0.122	0.122	0.0017	0.01	0.01
<	0.0025	<	0.0025	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	0.005	0.0022	0.005	0.005
	0.021		0.021	0.021	0.0009	0.005	0.005
<	0.005	<	0.005	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	0.05	0.0189	0.05	0.05
	0.006		0.006	0.006	0.0015	0.005	0.005
<	0.005	<	0.005	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	0.0002	2.17E-05	0.0002	0.0002
	56.6		56.6	56.6	0.0257	0	2
	0.38		0.38	0.38	0.0168	0	0.2
	102		102	102	0.0598	0	1
	0	<	0.1	0.1	0.0153	0	0.1
	7.95		7.95	7.95	0.0168	0	0.1
	7.75		7.75	7.75			
	446		446	446	5		5
	0.175		0.175	0.175	0.000829	0.01	0.01
<	1	<	1	1	0.0699	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.2298	1	1
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<	1	<	1	1	0.16	1	1
<	10	<	10	10	0.8536	10	10
<	5	<	5	5	0.1119	5	5
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<	1	<	1	1	0.1837	1	1
<	5	<	5	5	0.3941	5	5
<	5	<	5	5	0.484	5	5
<	5	<	5	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	1	0.0736	1	1
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<	1	<	1	1	0.0598	1	1

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<	1 <	1 <	1	0.0665	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.0475	1	1
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<	1 <	1 <	1	0.0423	1	1
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<	1 <	1 <	1	0.1213	1	1
<	1 <	1 <	1	0.0933	1	1
<	1 <	1 <	1	0.0495	1	1
<	1 <	1 <	1	0.064	1	1
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<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
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<	1 <	1 <	1	0.0791	1	1
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<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
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<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5

<	5	<	5	<	5	5	5	5
	52.9		52.9		52.9	0	0	1
	50.5		50.5		50.5	0	0	1
	45.4		45.4		45.4	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
	22.2		22.2		22.2	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
<	5	<	5	<	5	0.6888	5	5
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.0299	1	1
<	1	<	1	<	1	0.1006	1	1
<	1	<	1	<	1	0.0665	1	1
<	1	<	1	<	1	0.0557	1	1
<	1	<	1	<	1	0.0475	1	1
<	1	<	1	<	1	0.0846	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.1213	1	1
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<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.064	1	1
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<	5	<	5	<	5	0.0905	5	5
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0504	1	1
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<	1	<	1	<	1	0.1056	1	1
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<	1	<	1	<	1	0.0791	1	1
<	1	<	1	<	1	0.046	1	1
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<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	53.2		53.2		53.2	0	0	1
	50.9		50.9		50.9	0	0	1
	44.9		44.9		44.9	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	82		82		82	4	4	4
	82		82		82	2.38	4	4
	0.104		0.104		0.104	0.00402	0.01	0.01
<	1	<	1	<	1	0.82	1	1
	491		491		491			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.066		0.066		0.066	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.006		0.006		0.006	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	39.4		39.4		39.4	0.0257	0	2

		0.34		0.34		0.34	0.0168	0	0.2
		67.9		67.9		67.9	0.0598	0	1
		0	<	0.1	<	0.1	0.0153	0	0.1
		4.68		4.68		4.68	0.0168	0	0.1
		7.72		7.72		7.72			
		336		336		336	5		5
		0.104		0.104		0.104	0.000829	0.01	0.01
<		1	<	1	<	1	0.0699	1	1
<		1	<	1	<	1	0.0598	1	1
<		1	<	1	<	1	0.2298	1	1
<		1	<	1	<	1	0.0902	1	1
<		5	<	5	<	5	0.7402	5	5
<		1	<	1	<	1	0.1952	1	1
<		1	<	1	<	1	0.16	1	1
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<		5	<	5	<	5	0.1119	5	5
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<		1	<	1	<	1	0.1837	1	1
<		5	<	5	<	5	0.3941	5	5
<		5	<	5	<	5	0.484	5	5
<		5	<	5	<	5	0.0975	5	5
<		10	<	10	<	10	0.42007	10	10
<		1	<	1	<	1	0.0736	1	1
<		5	<	5	<	5	0.6888	5	5
<		1	<	1	<	1	0.0504	1	1
<		1	<	1	<	1	0.0598	1	1
<		1	<	1	<	1	0.0299	1	1
<		1	<	1	<	1	0.1006	1	1
<		1	<	1	<	1	0.0665	1	1
<		1	<	1	<	1	0.0557	1	1
<		1	<	1	<	1	0.0475	1	1
<		1	<	1	<	1	0.0846	1	1
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<		1	<	1	<	1	0.0495	1	1
<		1	<	1	<	1	0.1213	1	1
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<		1	<	1	<	1	0.0495	1	1
<		1	<	1	<	1	0.064	1	1
<		1	<	1	<	1	0.0651	1	1
<		5	<	5	<	5	0.0905	5	5
<		1	<	1	<	1	0.064	1	1
<		1	<	1	<	1	0.0504	1	1
<		1	<	1	<	1	0.0736	1	1
<		1	<	1	<	1	0.1056	1	1
<		1	<	1	<	1	0.0625	1	1
<		1	<	1	<	1	0.0791	1	1
<		1	<	1	<	1	0.046	1	1
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<	1	<	1	0.0283	1	1
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<	1	<	1	0.0406	1	1
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<	1	<	1	0.0336	1	1
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<	1	<	1	0.046	1	1
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<	1	<	1	0.04	1	1
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<	5	<	5	0.5035	5	5
<	5	<	5	0.1663	5	5
<	5	<	5	0.4166	5	5
<	5	<	5	0.1758	5	5
<	5	<	5	5	5	5
<	5	<	5	5	5	5
<	5	<	5	5	5	5
	52.8		52.8	52.8	0	0	1
	50		50	50	0	0	1
	47.4		47.4	47.4	0	0	1
<	1	<	1	0.0699	1	1
<	1	<	1	0.0598	1	1
<	1	<	1	0.2298	1	1
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<	5	<	5	0.7402	5	5
<	1	<	1	0.1952	1	1
<	1	<	1	0.16	1	1
	20.7		20.7	20.7	0.8536	10	10
<	5	<	5	0.1119	5	5
<	1	<	1	0.0764	1	1
<	1	<	1	0.1837	1	1
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<	1 <	1 <	1	0.064	1	1
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<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0504	1	1
<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
<	1 <	1 <	1	0.1253	1	1
<	1 <	1 <	1	0.0566	1	1
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<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
<	1 <	1 <	1	0.0406	1	1
<	1 <	1 <	1	0.1033	1	1
<	1 <	1 <	1	0.0423	1	1
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<	1 <	1 <	1	0.046	1	1
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<	1 <	1 <	1	0.04	1	1
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<	5 <	5 <	5	0.5035	5	5
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<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	52.6	52.6	52.6	0	0	1
	49.4	49.4	49.4	0	0	1

	45.4		45.4	45.4	0	0	1
<	1	<	1	< 1	1	1	1
<	1	<	1	< 1	1	1	1
	156		156	156	4	4	4
	156		156	156	2.38	4	4
	0.283		0.283	0.283	0.00402	0.01	0.01
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	758		758	758			
<	0.002	<	0.002	< 0.002	0.0021	0.002	0.002
<	0.01	<	0.01	< 0.01	0.0043	0.01	0.01
	0.059		0.059	0.059	0.0017	0.01	0.01
<	0.0025	<	0.0025	< 0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	< 0.001	0.0014	0.001	0.001
<	0.005	<	0.005	< 0.005	0.0022	0.005	0.005
	0.017		0.017	0.017	0.0009	0.005	0.005
<	0.005	<	0.005	< 0.005	0.0014	0.005	0.005
<	0.005	<	0.005	< 0.005	0.0019	0.005	0.005
<	0.005	<	0.005	< 0.01	0.0074	0.005	0.005
<	0.05	<	0.05	< 0.05	0.0166	0.05	0.05
<	0.01	<	0.01	< 0.01	0.0131	0.01	0.01
<	0.025	<	0.025	< 0.025	0.0124	0.025	0.025
<	0.05	<	0.05	< 0.05	0.0189	0.05	0.05
<	0.005	<	0.005	< 0.005	0.0015	0.005	0.005
<	0.005	<	0.005	< 0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	< 0.0002	2.17E-05	0.0002	0.0002
	46.8		46.8	46.8	0.0257	0	2
	0.26		0.26	0.26	0.0168	0	0.2
	122		122	122	0.0598	0	1
	0	<	0.1	< 0.1	0.0153	0	0.1
	5.91		5.91	5.91	0.0168	0	0.1
	7.49		7.49	7.49			
	528		528	528	5		5
	0.285		0.285	0.285	0.000829	0.01	0.01
<	1	<	1	< 1	0.0699	1	1
<	1	<	1	< 1	0.0598	1	1
<	1	<	1	< 1	0.2298	1	1
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<	5	<	5	< 5	0.7402	5	5
<	1	<	1	< 1	0.1952	1	1
<	1	<	1	< 1	0.16	1	1
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<	5	<	5	< 5	0.1119	5	5
<	1	<	1	< 1	0.0764	1	1
<	1	<	1	< 1	0.1837	1	1
<	5	<	5	< 5	0.3941	5	5
<	5	<	5	< 5	0.484	5	5
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<	1	<	1	< 1	0.0504	1	1
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<	1 <	1 <	1	0.0475	1	1
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<	1 <	1 <	1	0.0495	1	1
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<	1 <	1 <	1	0.0394	1	1
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<	1 <	1 <	1	0.0672	1	1
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<	5 <	5 <	5	0.4166	5	5
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	52.5		52.5		52.5	0	0	1
	49.2		49.2		49.2	0	0	1
	45.9		45.9		45.9	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
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<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
	24		24		24	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
<	5	<	5	<	5	0.6888	5	5
<	1	<	1	<	1	0.0504	1	1
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<	1	<	1	<	1	0.0475	1	1
<	1	<	1	<	1	0.0846	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.1213	1	1
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<	1	<	1	<	1	0.0495	1	1
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<	1	<	1	<	1	0.0504	1	1
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<	1	<	1	<	1	0.0625	1	1
<	1	<	1	<	1	0.0791	1	1
<	1	<	1	<	1	0.046	1	1
<	1	<	1	<	1	0.0696	1	1
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<	1	<	1	<	1	0.0859	1	1
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<	1	<	1	<	1	0.05046	1	1

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<	1	<	1	<	1	0.0679	1	1
<	1	<	1	<	1	0.0406	1	1
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<	1	<	1	<	1	0.04	1	1
<	5	<	5	<	5	0.5379	5	5
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<	5	<	5	<	5	0.1663	5	5
<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	52.1		52.1		52.1	0	0	1
	48.9		48.9		48.9	0	0	1
	44.9		44.9		44.9	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	66		66		66	4	4	4
	66		66		66	2.38	4	4
	0.0889		0.0889		0.0889	0.00402	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	399		399		399			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.095		0.095		0.095	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
	0.014		0.014		0.014	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.006		0.006		0.006	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	29		29		29	0.0257	0	2

	0.38		0.38	0.38	0.0168	0	0.2
	49.8		49.8	49.8	0.0598	0	1
	0	<	0.1	0.1	0.0153	0	0.1
	6.94		6.94	6.94	0.0168	0	0.1
	7.77		7.77	7.77			
	264		264	264	5		5
	0.0954		0.0954	0.0954	0.000829	0.01	0.01
<	1	<	1	1	0.0699	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.2298	1	1
<	1	<	1	1	0.0902	1	1
<	5	<	5	5	0.7402	5	5
<	1	<	1	1	0.1952	1	1
<	1	<	1	1	0.16	1	1
<	10	<	10	10	0.8536	10	10
<	5	<	5	5	0.1119	5	5
<	1	<	1	1	0.0764	1	1
<	1	<	1	1	0.1837	1	1
<	5	<	5	5	0.3941	5	5
<	5	<	5	5	0.484	5	5
<	5	<	5	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	1	0.0736	1	1
<	5	<	5	5	0.6888	5	5
<	1	<	1	1	0.0504	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.0299	1	1
<	1	<	1	1	0.1006	1	1
<	1	<	1	1	0.0665	1	1
<	1	<	1	1	0.0557	1	1
<	1	<	1	1	0.0475	1	1
<	1	<	1	1	0.0846	1	1
<	1	<	1	1	0.0423	1	1
<	1	<	1	1	0.0495	1	1
<	1	<	1	1	0.1213	1	1
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<	1	<	1	1	0.0736	1	1
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<	1	<	1	1	0.0791	1	1
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<	1	<	1	1	0.0696	1	1
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<	1	<	1	1	0.1253	1	1
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<	1	<	1	1	0.0363	1	1

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<	1	<	1	0.0394	1	1
<	1	<	1	0.05046	1	1
<	1	<	1	0.0672	1	1
<	1	<	1	0.0283	1	1
<	1	<	1	0.0679	1	1
<	1	<	1	0.0406	1	1
<	1	<	1	0.1033	1	1
<	1	<	1	0.0423	1	1
<	1	<	1	0.0557	1	1
<	1	<	1	0.077	1	1
<	1	<	1	0.0336	1	1
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<	1	<	1	0.0672	1	1
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<	1	<	1	0.0629	1	1
<	1	<	1	0.04	1	1
<	5	<	5	0.5379	5	5
<	5	<	5	0.5035	5	5
<	5	<	5	0.1663	5	5
<	5	<	5	0.4166	5	5
<	5	<	5	0.1758	5	5
<	5	<	5	5	5	5
<	5	<	5	5	5	5
<	5	<	5	5	5	5
	52.5		52.5	52.5	0	0	1
	49		49	49	0	0	1
	46.8		46.8	46.8	0	0	1
<	1	<	1	0.0699	1	1
<	1	<	1	0.0598	1	1
<	1	<	1	0.2298	1	1
<	1	<	1	0.0902	1	1
<	5	<	5	0.7402	5	5
<	1	<	1	0.1952	1	1
<	1	<	1	0.16	1	1
	22.9		22.9	22.9	0.8536	10	10
<	5	<	5	0.1119	5	5
<	1	<	1	0.0764	1	1
<	1	<	1	0.1837	1	1
<	5	<	5	0.3941	5	5
<	5	<	5	0.484	5	5
<	5	<	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	0.0736	1	1
<	5	<	5	0.6888	5	5
<	1	<	1	0.0504	1	1
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<	1	<	1	0.0299	1	1
<	1	<	1	0.1006	1	1
<	1	<	1	0.0665	1	1

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<	1 <	1 <	1	0.0495	1	1
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<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0504	1	1
<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
<	1 <	1 <	1	0.1253	1	1
<	1 <	1 <	1	0.0566	1	1
<	1 <	1 <	1	0.0363	1	1
<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
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<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	53.3	53.3	53.3	0	0	1
	49.6	49.6	49.6	0	0	1

	46.8		46.8		46.8	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	72		72		72	4	4	4
	72		72		72	2.38	4	4
	0.218		0.218		0.218	0.00402	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	531		531		531			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.12		0.12		0.12	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
	0.014		0.014		0.014	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
	0.008		0.008	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	39.6		39.6		39.6	0.0257	0	2
	0.34		0.34		0.34	0.0168	0	0.2
	86.2		86.2		86.2	0.0598	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	5.19		5.19		5.19	0.0168	0	0.1
	7.75		7.75		7.75			
	366		366		366	5		5
	0.218		0.218		0.218	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
<	10	<	10	<	10	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
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<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
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	47.3		47.3		47.3	0	0	1
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	21.2		21.2		21.2	0.0257	0	2

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	7.66		7.66		7.66			
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	49.3		49.3		49.3	0	0	1
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	49.8	49.8	49.8	0	0	1
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	76		76		76	2.38	4	4
	0.0974		0.0974		0.0974	0.00402	0.01	0.01
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	0.38		0.38		0.38	0.0168	0	0.2
	53.7		53.7		53.7	0.0598	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	6.11		6.11		6.11	0.0168	0	0.1
	7.69		7.69		7.69			
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	52.5	52.5	52.5	0	0	1

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<	5	<	5	<	5	5	5	5
	52.4		52.4		52.4	0	0	1
	50.8		50.8		50.8	0	0	1
	48		48		48	0	0	1
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	62		62		62	4	4	4
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<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
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	0.32		0.32		0.32	0.0168	0	0.2
	389		389		389	0.0598	0	1

	0	<	0.1	<	0.1	0.0153	0	0.1
	8.62		8.62		8.62	0.0168	0	0.1
	7.39		7.39		7.39			
	1130		1130		1130	5		5
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	52.1		52.1		52.1	0	0	1
	50		50		50	0	0	1
	48.6		48.6		48.6	0	0	1
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	51.5	51.5	51.5	0	0	1
	50.1	50.1	50.1	0	0	1
	48.1	48.1	48.1	0	0	1
<	1 <	1 <	1	1	1	1

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	0.06		0.06		0.06	0.0017	0.01	0.01
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<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
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	0.009		0.009		0.009	0.0015	0.005	0.005
	0.008		0.008	<	0.01	0.0071	0.005	0.005
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	10.9		10.9		10.9	0.035	0	2
	0.43		0.43		0.43	0.0168	0	0.2
	44.4		44.4		44.4	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	1.4		1.4		1.4	0.0168	0	0.1
	7.76		7.76		7.76			
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<	1 <	1 <	1	0.064	1	1
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<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	49.2	49.2	49.2	0	0	1

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	47.8		47.8		47.8	0	0	1
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<	5	<	5	<	5	5	5	5
	49		49		49	0	0	1
	49.9		49.9		49.9	0	0	1
	47.3		47.3		47.3	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	98		98		98	4	4	4
	98		98		98	3.36	4	4
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	220		220		220			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.064		0.064		0.064	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
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<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
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<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
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<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.012		0.012		0.012	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	12.5		12.5		12.5	0.035	0	2
	0.51		0.51		0.51	0.0168	0	0.2
	31.9		31.9		31.9	0.0238	0	1

	0	<	0.1	<	0.1	0.0153	0	0.1
	0.65		0.65		0.65	0.0168	0	0.1
	8.73		8.73		8.73			
	158		158		158	5		5
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<	1	<	1	<	1	0.0699	1	1
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<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.1213	1	1
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<	1	<	1	<	1	0.0495	1	1
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<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	48.1	48.1	48.1	0	0	1
	48.5	48.5	48.5	0	0	1
	45.8	45.8	45.8	0	0	1
<	1 <	1 <	1	0.0699	1	1
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<	5 <	5 <	5	0.7402	5	5
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<	1 <	1 <	1	0.1837	1	1
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<	1 <	1 <	1	0.0736	1	1
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<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.046	1	1
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<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	49.8	49.8	49.8	0	0	1
	50	50	50	0	0	1
	47.6	47.6	47.6	0	0	1
<	1 <	1 <	1	1	1	1

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	76		76		76	3.36	4	4
	0.215		0.215		0.215	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	676		676		676			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.076		0.076		0.076	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
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	0.008		0.008		0.008	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.005		0.005		0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	68.1		68.1		68.1	0.035	0	2
	0.3		0.3		0.3	0.0168	0	0.2
	108		108		108	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	7.69		7.69		7.69	0.0168	0	0.1
	7.75		7.75		7.75			
	388		388		388	5		5
	0.217		0.217		0.217	0.000829	0.01	0.01
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<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
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<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	49.8	49.8	49.8	0	0	1

	50.2		50.2		50.2	0	0	1
	47.4		47.4		47.4	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
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	20.2		20.2		20.2	0.8536	10	10
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<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	50.3		50.3		50.3	0	0	1
	50.3		50.3		50.3	0	0	1
	47.2		47.2		47.2	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	74		74		74	4	4	4
	74		74		74	3.36	4	4
	0.219		0.219		0.219	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	677		677		677			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.079		0.079		0.079	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
	0.01		0.01		0.01	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
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<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	66.5		66.5		66.5	0.035	0	2
	0.3		0.3		0.3	0.0168	0	0.2
	106		106		106	0.0238	0	1

	0	<	0.1	<	0.1	0.0153	0	0.1
	7.53		7.53		7.53	0.0168	0	0.1
	7.77		7.77		7.77			
	326		326		326	5		5
	0.224		0.224		0.224	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
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<	1	<	1	<	1	0.0504	1	1
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<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
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<	5	<	5	<	5	5	5	5
	49.9		49.9		49.9	0	0	1
	49.7		49.7		49.7	0	0	1
	46.8		46.8		46.8	0	0	1
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<	1 <	1 <	1	0.0933	1	1
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<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	49.8	49.8	49.8	0	0	1
	49.7	49.7	49.7	0	0	1
	46.3	46.3	46.3	0	0	1
<	0.002 <	0.002 <	0.002	0.0021	0.002	0.002

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<	1	<	1	<	1	1	1	1
	80		80		80	4	4	4
	80		80		80	3.36	4	4
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.083		0.083		0.083	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
	13.6		13.6		13.6	0.035	0	2
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
	332		332		332			
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
	0.005		0.005		0.005	0.0014	0.005	0.005
	0.44		0.44		0.44	0.0168	0	0.2
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
	0	<	0.1	<	0.1	0.0153	0	0.1
	2.13		2.13		2.13	0.0168	0	0.1
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
	7.83		7.83		7.83			
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
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<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
	46.3		46.3		46.3	0.0238	0	1
	238		238		238	5		5
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.007		0.007		0.007	0.0015	0.005	0.005
<	1	<	1	<	1	0.0699	1	1
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<	1	<	1	<	1	0.2298	1	1
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<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.0791	1	1
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<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	50.8	50.8	50.8	0	0	1
	50.4	50.4	50.4	0	0	1

	44.7		44.7		44.7	0	0	1
	0.009		0.009	<	0.01	0.0071	0.005	0.005
<	1	<	1	<	1	0.0699	1	1
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<	5	<	5	<	5	5	5	5
	50.2		50.2		50.2	0	0	1
	49.8		49.8		49.8	0	0	1
	44.5		44.5		44.5	0	0	1
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<	1	<	1	<	1	1	1	1
	78		78		78	4	4	4
	78		78		78	3.36	4	4
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
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	0.018		0.018		0.018	0.0017	0.01	0.01
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	0.007		0.007		0.007	0.0014	0.005	0.005
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<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
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<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.007		0.007		0.007	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	11.2		11.2		11.2	0.035	0	2
	0.44		0.44		0.44	0.0168	0	0.2
	46.5		46.5		46.5	0.0238	0	1

	0	<	0.1	<	0.1	0.0153	0	0.1
	1.43		1.43		1.43	0.0168	0	0.1
	7.82		7.82		7.82			
	220		220		220	5		5
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<	5	<	5	<	5	5	5	5
	50.4		50.4		50.4	0	0	1
	49.7		49.7		49.7	0	0	1
	44		44		44	0	0	1
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	51.2	51.2	51.2	0	0	1
	50.1	50.1	50.1	0	0	1
	44.3	44.3	44.3	0	0	1
<	1 <	1 <	1	1	1	1

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	78		78		78	3.36	4	4
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	316		316		316			
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	0.019		0.019		0.019	0.0017	0.01	0.01
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	0.007		0.007		0.007	0.0014	0.005	0.005
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	0.008		0.008		0.008	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
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	11.2		11.2		11.2	0.035	0	2
	0.44		0.44		0.44	0.0168	0	0.2
	46.1		46.1		46.1	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	1.43		1.43		1.43	0.0168	0	0.1
	6.68		6.68		6.68			
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<	1 <	1 <	1	0.077	1	1
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<	1 <	1 <	1	0.0672	1	1
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<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	51.5	51.5	51.5	0	0	1

	49.9		49.9		49.9	0	0	1
	44		44		44	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
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<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
	21		21		21	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
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<	10	<	10	<	10	0.42007	10	10
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<	5	<	5	<	5	5	5	5
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<	5	<	5	<	5	5	5	5
	51.6		51.6		51.6	0	0	1
	49.8		49.8		49.8	0	0	1
	44.1		44.1		44.1	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	76		76		76	4	4	4
	76		76		76	3.36	4	4
	0.135		0.135		0.135	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	468		468		468			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.111		0.111		0.111	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
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	0.01		0.01		0.01	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
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<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	37		37		37	0.035	0	2
	0.37		0.37		0.37	0.0168	0	0.2
	65.9		65.9		65.9	0.0238	0	1

	0	<	0.1	<	0.1	0.0153	0	0.1
	4.59		4.59		4.59	0.0168	0	0.1
	7.73		7.73		7.73			
	320		320		320	5		5
	0.14		0.14		0.14	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
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<	5	<	5	<	5	5	5	5
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<	5	<	5	<	5	5	5	5
	51.6		51.6		51.6	0	0	1
	50		50		50	0	0	1
	44.4		44.4		44.4	0	0	1
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	25		25		25	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
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<	1 <	1 <	1	0.1213	1	1
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<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
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<	1 <	1 <	1	0.1253	1	1
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	51.4	51.4	51.4	0	0	1
	49.8	49.8	49.8	0	0	1
	44	44	44	0	0	1
<	1 <	1 <	1	1	1	1

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<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
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	463		463		463			
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<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.07		0.07		0.07	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
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<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
	0.014		0.014		0.014	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
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<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
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	0.005		0.005		0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	38		38		38	0.035	0	2
	0.36		0.36		0.36	0.0168	0	0.2
	51.1		51.1		51.1	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	4.02		4.02		4.02	0.0168	0	0.1
	7.82		7.82		7.82			
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<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	51.8	51.8	51.8	0	0	1

	50.1		50.1	50.1	0	0	1
	44.7		44.7	44.7	0	0	1
<	1	<	1	1	0.0699	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.2298	1	1
<	1	<	1	1	0.0902	1	1
<	5	<	5	5	0.7402	5	5
<	1	<	1	1	0.1952	1	1
<	1	<	1	1	0.16	1	1
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<	5	<	5	5	0.1119	5	5
<	1	<	1	1	0.0764	1	1
<	1	<	1	1	0.1837	1	1
<	5	<	5	5	0.3941	5	5
<	5	<	5	5	0.484	5	5
<	5	<	5	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	1	0.0736	1	1
<	5	<	5	5	0.6888	5	5
<	1	<	1	1	0.0504	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.0299	1	1
<	1	<	1	1	0.1006	1	1
<	1	<	1	1	0.0665	1	1
<	1	<	1	1	0.0557	1	1
<	1	<	1	1	0.0475	1	1
<	1	<	1	1	0.0846	1	1
<	1	<	1	1	0.0423	1	1
<	1	<	1	1	0.0495	1	1
<	1	<	1	1	0.1213	1	1
<	1	<	1	1	0.0933	1	1
<	1	<	1	1	0.0495	1	1
<	1	<	1	1	0.064	1	1
<	1	<	1	1	0.0651	1	1
<	5	<	5	5	0.0905	5	5
<	1	<	1	1	0.064	1	1
<	1	<	1	1	0.0504	1	1
<	1	<	1	1	0.0736	1	1
<	1	<	1	1	0.1056	1	1
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<	1	<	1	1	0.0791	1	1
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<	1	<	1	1	0.0696	1	1
<	1	<	1	1	0.0217	1	1
<	1	<	1	1	0.1253	1	1
<	1	<	1	1	0.0566	1	1
<	1	<	1	1	0.0363	1	1
<	1	<	1	1	0.0859	1	1
<	1	<	1	1	0.0394	1	1
<	1	<	1	1	0.05046	1	1
<	1	<	1	1	0.0672	1	1
<	1	<	1	1	0.0283	1	1

<	1	<	1	<	1	0.0679	1	1
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<	1	<	1	<	1	0.1033	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0557	1	1
<	1	<	1	<	1	0.077	1	1
<	1	<	1	<	1	0.0336	1	1
<	1	<	1	<	1	0.0672	1	1
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<	1	<	1	<	1	0.0672	1	1
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<	1	<	1	<	1	0.0629	1	1
<	1	<	1	<	1	0.04	1	1
<	5	<	5	<	5	0.5379	5	5
<	5	<	5	<	5	0.5035	5	5
<	5	<	5	<	5	0.1663	5	5
<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	50.8		50.8		50.8	0	0	1
	49.1		49.1		49.1	0	0	1
	44.2		44.2		44.2	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	80		80		80	4	4	4
	80		80		80	3.36	4	4
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	358		358		358			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.077		0.077		0.077	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
	0.009		0.009		0.009	0.0014	0.005	0.005
	0.152		0.152		0.152	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	17.7		17.7		17.7	0.035	0	2
	0.44		0.44		0.44	0.0168	0	0.2
	51.4		51.4		51.4	0.0238	0	1

	0	<	0.1	<	0.1	0.0153	0	0.1
	2.68		2.68		2.68	0.0168	0	0.1
	7.54		7.54		7.54			
	242		242		242	5		5
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
<	10	<	10	<	10	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
<	5	<	5	<	5	0.6888	5	5
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.0299	1	1
<	1	<	1	<	1	0.1006	1	1
<	1	<	1	<	1	0.0665	1	1
<	1	<	1	<	1	0.0557	1	1
<	1	<	1	<	1	0.0475	1	1
<	1	<	1	<	1	0.0846	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.1213	1	1
<	1	<	1	<	1	0.0933	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0651	1	1
<	5	<	5	<	5	0.0905	5	5
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0736	1	1
<	1	<	1	<	1	0.1056	1	1
<	1	<	1	<	1	0.0625	1	1
<	1	<	1	<	1	0.0791	1	1
<	1	<	1	<	1	0.046	1	1
<	1	<	1	<	1	0.0696	1	1
<	1	<	1	<	1	0.0217	1	1
<	1	<	1	<	1	0.1253	1	1
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<	1	<	1	<	1	0.0363	1	1
<	1	<	1	<	1	0.0859	1	1
<	1	<	1	<	1	0.0394	1	1

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<	1	<	1	<	1	0.0283	1	1
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<	1	<	1	<	1	0.0406	1	1
<	1	<	1	<	1	0.1033	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0557	1	1
<	1	<	1	<	1	0.077	1	1
<	1	<	1	<	1	0.0336	1	1
<	1	<	1	<	1	0.0672	1	1
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<	1	<	1	<	1	0.0672	1	1
<	1	<	1	<	1	0.0513	1	1
<	1	<	1	<	1	0.046	1	1
<	1	<	1	<	1	0.0629	1	1
<	1	<	1	<	1	0.04	1	1
<	5	<	5	<	5	0.5379	5	5
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<	5	<	5	<	5	0.1663	5	5
<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	51.3		51.3		51.3	0	0	1
	50.1		50.1		50.1	0	0	1
	44.7		44.7		44.7	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	80		80		80	4	4	4
	80		80		80	3.36	4	4
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	336		336		336			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
	0.07		0.07		0.07	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
	0.014		0.014		0.014	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
	0.005		0.005		0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002

	14.5		14.5		14.5	0.035	0	2
	0.46		0.46		0.46	0.0168	0	0.2
	50.6		50.6		50.6	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	2.29		2.29		2.29	0.0168	0	0.1
	7.15		7.15		7.15			
	214		214		214	5		5
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
<	10	<	10	<	10	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
<	5	<	5	<	5	0.6888	5	5
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.0299	1	1
<	1	<	1	<	1	0.1006	1	1
<	1	<	1	<	1	0.0665	1	1
<	1	<	1	<	1	0.0557	1	1
<	1	<	1	<	1	0.0475	1	1
<	1	<	1	<	1	0.0846	1	1
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<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.1213	1	1
<	1	<	1	<	1	0.0933	1	1
<	1	<	1	<	1	0.0495	1	1
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0651	1	1
<	5	<	5	<	5	0.0905	5	5
<	1	<	1	<	1	0.064	1	1
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0736	1	1
<	1	<	1	<	1	0.1056	1	1
<	1	<	1	<	1	0.0625	1	1
<	1	<	1	<	1	0.0791	1	1
<	1	<	1	<	1	0.046	1	1
<	1	<	1	<	1	0.0696	1	1
<	1	<	1	<	1	0.0217	1	1
<	1	<	1	<	1	0.1253	1	1
<	1	<	1	<	1	0.0566	1	1

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<	1	<	1	<	1	0.0394	1	1
<	1	<	1	<	1	0.05046	1	1
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<	1	<	1	<	1	0.0679	1	1
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<	1	<	1	<	1	0.1033	1	1
<	1	<	1	<	1	0.0423	1	1
<	1	<	1	<	1	0.0557	1	1
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<	5	<	5	<	5	0.4166	5	5
<	5	<	5	<	5	0.1758	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
<	5	<	5	<	5	5	5	5
	51.1		51.1		51.1	0	0	1
	48.8		48.8		48.8	0	0	1
	43.6		43.6		43.6	0	0	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	3.36	4	4
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.56	1	1
	1.6		1.6		1.6			
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05

<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.01	0.0071	0.005	0.005
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	0	<	2	<	2	0.035	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	4.96		4.96		4.96			
	72		72		72	5		5
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
<	10	<	10	<	10	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
<	10	<	10	<	10	0.42007	10	10
<	1	<	1	<	1	0.0736	1	1
<	5	<	5	<	5	0.6888	5	5
<	1	<	1	<	1	0.0504	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.0299	1	1
<	1	<	1	<	1	0.1006	1	1
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	50.1	50.1	50.1	0	0	1
	44.1	44.1	44.1	0	0	1
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	51.3		51.3		51.3	0	0	1
	50		50		50	0	0	1
	44.4		44.4		44.4	0	0	1
	0.118		0.118		0.118	0.000199	0.002	0.002
	0.478		0.478		0.478	0.0043	0.01	0.01
	0.961		0.961		0.961	0.00045	0.01	0.01
	0.025		0.025		0.025	0.000178	0.0025	0.0025
	0.227		0.227		0.227	0.000577	0.001	0.001
	0.226		0.226		0.226	0.002929	0.005	0.005
	0.095		0.095		0.095	0.003573	0.005	0.005
	0.123		0.123		0.123	0.0014	0.005	0.005
	0.224		0.224		0.224	0.00045	0.005	0.005
	0.497		0.497		0.497	0.003981	0.005	0.005
	0.228		0.228		0.228	0.0116	0.05	0.05
	0.456		0.456		0.456	0.005562	0.01	0.01
	0.278		0.278		0.278	0.007589	0.025	0.025
	0.455		0.455		0.455	0.0189	0.05	0.05
	0.25		0.25		0.25	0.001051	0.005	0.005
	0.22		0.22		0.22	0.003003	0.005	0.005
	0.114		0.114		0.114	0.000199	0.002	0.002
	0.468		0.468		0.468	0.0043	0.01	0.01
	0.937		0.937		0.937	0.00045	0.01	0.01
	0.026		0.026		0.026	0.000178	0.0025	0.0025
	0.22		0.22		0.22	0.000577	0.001	0.001
	0.224		0.224		0.224	0.002929	0.005	0.005
	0.091		0.091		0.091	0.003573	0.005	0.005
	0.12		0.12		0.12	0.0014	0.005	0.005
	0.226		0.226		0.226	0.00045	0.005	0.005
	0.474		0.474		0.474	0.003981	0.005	0.005
	0.217		0.217		0.217	0.0116	0.05	0.05
	0.479		0.479		0.479	0.005562	0.01	0.01
	0.285		0.285		0.285	0.007589	0.025	0.025
	0.473		0.473		0.473	0.0189	0.05	0.05
	0.245		0.245		0.245	0.001051	0.005	0.005
	0.212		0.212		0.212	0.003003	0.005	0.005
	0.114		0.114		0.114	0.000199	0.002	0.002
	0.429		0.429		0.429	0.0043	0.01	0.01
	0.856		0.856		0.856	0.00045	0.01	0.01
	0.025		0.025		0.025	0.000178	0.0025	0.0025
	0.211		0.211		0.211	0.000577	0.001	0.001
	0.21		0.21		0.21	0.002929	0.005	0.005
	0.085		0.085		0.085	0.003573	0.005	0.005
	0.112		0.112		0.112	0.0014	0.005	0.005
	0.21		0.21		0.21	0.00045	0.005	0.005
	0.447		0.447		0.447	0.003981	0.005	0.005
	0.236		0.236		0.236	0.0116	0.05	0.05
	0.424		0.424		0.424	0.005562	0.01	0.01
	0.257		0.257		0.257	0.007589	0.025	0.025
	0.401		0.401		0.401	0.0189	0.05	0.05
	0.227		0.227		0.227	0.001051	0.005	0.005

	0.215		0.215		0.215	0.003003	0.005	0.005
	0.114		0.114		0.114	0.000199	0.002	0.002
	0.441		0.441		0.441	0.0043	0.01	0.01
	0.956		0.956		0.956	0.00045	0.01	0.01
	0.024		0.024		0.024	0.000178	0.0025	0.0025
	0.214		0.214		0.214	0.000577	0.001	0.001
	0.216		0.216		0.216	0.002929	0.005	0.005
	0.09		0.09		0.09	0.003573	0.005	0.005
	0.116		0.116		0.116	0.0014	0.005	0.005
	0.217		0.217		0.217	0.00045	0.005	0.005
	0.457		0.457		0.457	0.003981	0.005	0.005
	0.236		0.236		0.236	0.0116	0.05	0.05
	0.428		0.428		0.428	0.005562	0.01	0.01
	0.265		0.265		0.265	0.007589	0.025	0.025
	0.415		0.415		0.415	0.0189	0.05	0.05
	0.231		0.231		0.231	0.001051	0.005	0.005
	0.215		0.215		0.215	0.003003	0.005	0.005
<	0.002	<	0.002	<	0.002	0.000199	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
<	0.005	<	0.005	<	0.005	0.002929	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003573	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.00045	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003981	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0116	0.05	0.05
<	0.01	<	0.01	<	0.01	0.005562	0.01	0.01
<	0.025	<	0.025	<	0.025	0.007589	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.001051	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003003	0.005	0.005
	0.124		0.124		0.124	0.000199	0.002	0.002
	0.947		0.947		0.947	0.0043	0.01	0.01
	1		1		1	0.00045	0.01	0.01
	0.977		0.977		0.977	0.000178	0.0025	0.0025
	0.989		0.989		0.989	0.000577	0.001	0.001
	0.985		0.985		0.985	0.002929	0.005	0.005
	0.987		0.987		0.987	0.003573	0.005	0.005
	0.974		0.974		0.974	0.0014	0.005	0.005
	0.976		0.976		0.976	0.00045	0.005	0.005
	0.988		0.988		0.988	0.003981	0.005	0.005
	0.963		0.963		0.963	0.0116	0.05	0.05
	1.01		1.01		1.01	0.005562	0.01	0.01
	1		1		1	0.007589	0.025	0.025
	0.98		0.98		0.98	0.0189	0.05	0.05
	0.955		0.955		0.955	0.001051	0.005	0.005
	0.981		0.981		0.981	0.003003	0.005	0.005
	0.117		0.117		0.117	0.000199	0.002	0.002
	0.934		0.934		0.934	0.0043	0.01	0.01
	0.94		0.94		0.94	0.00045	0.01	0.01

	0.901		0.901	0.901	0.000178	0.0025	0.0025
	0.91		0.91	0.91	0.000577	0.001	0.001
	0.901		0.901	0.901	0.002929	0.005	0.005
	0.908		0.908	0.908	0.003573	0.005	0.005
	0.924		0.924	0.924	0.0014	0.005	0.005
	0.901		0.901	0.901	0.00045	0.005	0.005
	0.912		0.912	0.912	0.003981	0.005	0.005
	0.923		0.923	0.923	0.0116	0.05	0.05
	0.913		0.913	0.913	0.005562	0.01	0.01
	0.924		0.924	0.924	0.007589	0.025	0.025
	0.909		0.909	0.909	0.0189	0.05	0.05
	0.901		0.901	0.901	0.001051	0.005	0.005
	0.901		0.901	0.901	0.003003	0.005	0.005
	12		12	12	0.0128	0.2	0.2
	11.9		11.9	11.9	0.0128	0.2	0.2
	22		22	22	0.0106	0.2	0.2
	22		22	22	0.0106	0.2	0.2
	134		134	134	0.0181	0.5	0.5
	13.2		13.2	13.2	0.0119	0.2	0.2
	235		235	235	0.0485	0.5	0.5
	139		139	139	0.0181	0.5	0.5
	13.1		13.1	13.1	0.0119	0.2	0.2
	241		241	241	0.0485	0.5	0.5
<	0.2	<	0.2	< 0.2	0.0128	0.2	0.2
<	0.2	<	0.2	< 0.2	0.0106	0.2	0.2
<	0.5	<	0.5	< 0.5	0.0181	0.5	0.5
<	0.2	<	0.2	< 0.2	0.0119	0.2	0.2
<	0.5	<	0.5	< 0.5	0.0485	0.5	0.5
	2.52		2.52	2.52	0.0128	0.2	0.2
	2.52		2.52	2.52	0.0106	0.2	0.2
	12.3		12.3	12.3	0.0181	0.5	0.5
	2.57		2.57	2.57	0.0119	0.2	0.2
	12.5		12.5	12.5	0.0485	0.5	0.5
	2.56		2.56	2.56	0.0128	0.2	0.2
	2.54		2.54	2.54	0.0106	0.2	0.2
	12.4		12.4	12.4	0.0181	0.5	0.5
	2.75		2.75	2.75	0.0119	0.2	0.2
	12.8		12.8	12.8	0.0485	0.5	0.5
	4.42		4.42	4.42	0.82	1	1
	4.48		4.48	4.48	0.82	1	1
	4.26		4.26	4.26	0.82	1	1
	4.54		4.54	4.54	0.82	1	1
<	1	<	1	< 1	0.82	1	1
	4.87		4.87	4.87	0.82	1	1
	4.98		4.98	4.98	0.82	1	1
	4.48		4.48	4.48	0.82	1	1
	4.7		4.7	4.7	0.82	1	1
	4.37		4.37	4.37	0.82	1	1
	3.98		3.98	3.98	0.82	1	1
<	1	<	1	< 1	0.82	1	1
	4.98		4.98	4.98	0.82	1	1
	5.1		5.1	5.1	0.82	1	1

	2.72		2.72		2.72	0.0128	0.2	0.2
	2.7		2.7		2.7	0.0128	0.2	0.2
	2.65		2.65		2.65	0.0106	0.2	0.2
	2.65		2.65		2.65	0.0106	0.2	0.2
	14.7		14.7		14.7	0.0128	0.2	0.2
	14.2		14.2		14.2	0.0128	0.2	0.2
	16		16		16	0.0106	0.2	0.2
	15.7		15.7		15.7	0.0106	0.2	0.2
<	0.2	<	0.2	<	0.2	0.0128	0.2	0.2
<	0.2	<	0.2	<	0.2	0.0106	0.2	0.2
	2.7		2.7		2.7	0.0128	0.2	0.2
	2.75		2.75		2.75	0.0106	0.2	0.2
	2.7		2.7		2.7	0.0128	0.2	0.2
	2.64		2.64		2.64	0.0106	0.2	0.2
	0.133		0.133		0.133	0.000199	0.002	0.002
	0.516		0.516		0.516	0.0043	0.01	0.01
	1.03		1.03		1.03	0.00045	0.01	0.01
	0.024		0.024		0.024	0.000178	0.0025	0.0025
	0.245		0.245		0.245	0.000577	0.001	0.001
	0.247		0.247		0.247	0.002929	0.005	0.005
	0.103		0.103		0.103	0.003573	0.005	0.005
	0.126		0.126		0.126	0.0014	0.005	0.005
	0.25		0.25		0.25	0.00045	0.005	0.005
	0.505		0.505		0.505	0.003981	0.005	0.005
	0.245		0.245		0.245	0.0116	0.05	0.05
	0.451		0.451		0.451	0.005562	0.01	0.01
	0.313		0.313		0.313	0.007589	0.025	0.025
	0.499		0.499		0.499	0.0189	0.05	0.05
	0.265		0.265		0.265	0.001051	0.005	0.005
	0.245		0.245		0.245	0.003003	0.005	0.005
	0.127		0.127		0.127	0.000199	0.002	0.002
	0.522		0.522		0.522	0.0043	0.01	0.01
	0.995		0.995		0.995	0.00045	0.01	0.01
	0.024		0.024		0.024	0.000178	0.0025	0.0025
	0.239		0.239		0.239	0.000577	0.001	0.001
	0.24		0.24		0.24	0.002929	0.005	0.005
	0.098		0.098		0.098	0.003573	0.005	0.005
	0.125		0.125		0.125	0.0014	0.005	0.005
	0.247		0.247		0.247	0.00045	0.005	0.005
	0.503		0.503		0.503	0.003981	0.005	0.005
	0.249		0.249		0.249	0.0116	0.05	0.05
	0.433		0.433		0.433	0.005562	0.01	0.01
	0.312		0.312		0.312	0.007589	0.025	0.025
	0.489		0.489		0.489	0.0189	0.05	0.05
	0.261		0.261		0.261	0.001051	0.005	0.005
	0.242		0.242		0.242	0.003003	0.005	0.005
	0.135		0.135		0.135	0.000199	0.002	0.002
	0.556		0.556		0.556	0.0043	0.01	0.01
	1.1		1.1		1.1	0.00045	0.01	0.01
	0.026		0.026		0.026	0.000178	0.0025	0.0025
	0.251		0.251		0.251	0.000577	0.001	0.001
	0.245		0.245		0.245	0.002929	0.005	0.005

	0.11		0.11		0.11	0.003573	0.005	0.005
	0.133		0.133		0.133	0.0014	0.005	0.005
	0.254		0.254		0.254	0.00045	0.005	0.005
	0.53		0.53		0.53	0.003981	0.005	0.005
	0.256		0.256		0.256	0.0116	0.05	0.05
	0.484		0.484		0.484	0.005562	0.01	0.01
	0.3		0.3		0.3	0.007589	0.025	0.025
	0.517		0.517		0.517	0.0189	0.05	0.05
	0.254		0.254		0.254	0.001051	0.005	0.005
	0.254		0.254		0.254	0.003003	0.005	0.005
	0.134		0.134		0.134	0.000199	0.002	0.002
	0.492		0.492		0.492	0.0043	0.01	0.01
	1.11		1.11		1.11	0.00045	0.01	0.01
	0.025		0.025		0.025	0.000178	0.0025	0.0025
	0.253		0.253		0.253	0.000577	0.001	0.001
	0.251		0.251		0.251	0.002929	0.005	0.005
	0.112		0.112		0.112	0.003573	0.005	0.005
	0.134		0.134		0.134	0.0014	0.005	0.005
	0.257		0.257		0.257	0.00045	0.005	0.005
	0.53		0.53		0.53	0.003981	0.005	0.005
	0.256		0.256		0.256	0.0116	0.05	0.05
	0.442		0.442		0.442	0.005562	0.01	0.01
	0.298		0.298		0.298	0.007589	0.025	0.025
	0.511		0.511		0.511	0.0189	0.05	0.05
	0.256		0.256		0.256	0.001051	0.005	0.005
	0.258		0.258		0.258	0.003003	0.005	0.005
<	0.002	<	0.002	<	0.002	0.000199	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00045	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.000178	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.000577	0.001	0.001
<	0.005	<	0.005	<	0.005	0.002929	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003573	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.00045	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003981	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0116	0.05	0.05
<	0.01	<	0.01	<	0.01	0.005562	0.01	0.01
<	0.025	<	0.025	<	0.025	0.007589	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.001051	0.005	0.005
<	0.005	<	0.005	<	0.005	0.003003	0.005	0.005
	0.128		0.128		0.128	0.000199	0.002	0.002
	1.02		1.02		1.02	0.0043	0.01	0.01
	1.01		1.01		1.01	0.00045	0.01	0.01
	1.01		1.01		1.01	0.000178	0.0025	0.0025
	1.04		1.04		1.04	0.000577	0.001	0.001
	1.01		1.01		1.01	0.002929	0.005	0.005
	1.04		1.04		1.04	0.003573	0.005	0.005
	1		1		1	0.0014	0.005	0.005
	1		1		1	0.00045	0.005	0.005
	1.05		1.05		1.05	0.003981	0.005	0.005

	1.01		1.01		1.01	0.0116	0.05	0.05
	1.02		1.02		1.02	0.005562	0.01	0.01
	1.02		1.02		1.02	0.007589	0.025	0.025
	1.04		1.04		1.04	0.0189	0.05	0.05
	0.981		0.981		0.981	0.001051	0.005	0.005
	0.999		0.999		0.999	0.003003	0.005	0.005
	0.132		0.132		0.132	0.000199	0.002	0.002
	1.06		1.06		1.06	0.0043	0.01	0.01
	1.02		1.02		1.02	0.00045	0.01	0.01
	1.03		1.03		1.03	0.000178	0.0025	0.0025
	1.08		1.08		1.08	0.000577	0.001	0.001
	1.04		1.04		1.04	0.002929	0.005	0.005
	1.06		1.06		1.06	0.003573	0.005	0.005
	1.03		1.03		1.03	0.0014	0.005	0.005
	1.03		1.03		1.03	0.00045	0.005	0.005
	1.02		1.02		1.02	0.003981	0.005	0.005
	1.03		1.03		1.03	0.0116	0.05	0.05
	1.07		1.07		1.07	0.005562	0.01	0.01
	1.08		1.08		1.08	0.007589	0.025	0.025
	1.07		1.07		1.07	0.0189	0.05	0.05
	1.04		1.04		1.04	0.001051	0.005	0.005
	1.04		1.04		1.04	0.003003	0.005	0.005
	816		816		816	0	0	0
	818		818		818	0	0	0
<	1	<	1	<	1			
	1410		1410		1410	0	0	0
	1420		1420		1420	0	0	0
	447		447		447	0	0	0
	445		445		445	0	0	0
<	1	<	1	<	1			
	1420		1420		1420	0	0	0
	1410		1410		1410	0	0	0
	7.8		7.8		7.8	0	0	0
	7.77		7.77		7.77	0	0	0
	6.97		6.97		6.97	0	0	0
	6.99		6.99		6.99	0	0	0
	7.58		7.58		7.58	0	0	0
	7.58		7.58		7.58	0	0	0
	7.02		7.02		7.02	0	0	0
	7.04		7.04		7.04	0	0	0
	6.94		6.94		6.94	0	0	0
	6.96		6.96		6.96	0	0	0
	6.98		6.98		6.98	0	0	0
	7.02		7.02		7.02	0	0	0
	7.82		7.82		7.82	0	0	0
	7.83		7.83		7.83	0	0	0
	6.98		6.98		6.98	0	0	0
	6.96		6.96		6.96	0	0	0
	7.69		7.69		7.69	0	0	0
	7.69		7.69		7.69	0	0	0
	6.99		6.99		6.99	0	0	0
	7.01		7.01		7.01	0	0	0

	526		526		526	5	0	5
	510		510		510	5	0	5
	0	<	5	<	5	5		5
	1010		1010		1010	5	0	5
	1010		1010		1010	5	0	5
	2.35		2.35		2.35	0.0168	0	0.1
	2.37		2.37		2.37	0.0168	0	0.1
	2.4		2.4		2.4	0.0168	0	0.1
	2.41		2.41		2.41	0.0168	0	0.1
	11.5		11.5		11.5	0.0257	0	2
	2.3		2.3		2.3	0.0168	0	0.2
	11.9		11.9		11.9	0.0598	0	1
	11.5		11.5		11.5	0.0257	0	2
	2.3		2.3		2.3	0.0168	0	0.2
	12		12		12	0.0598	0	1
	11.8		11.8		11.8	0.0168	0	0.1
	11.8		11.8		11.8	0.0168	0	0.1
	16.6		16.6		16.6	0.0168	0	0.1
	16.6		16.6		16.6	0.0168	0	0.1
	87.2		87.2		87.2	0.0257	0	2
	11.7		11.7		11.7	0.0168	0	0.2
	99.1		99.1		99.1	0.0598	0	1
	87.2		87.2		87.2	0.0257	0	2
	11.6		11.6		11.6	0.0168	0	0.2
	99.3		99.3		99.3	0.0598	0	1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.0257	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0598	0	1
	2.31		2.31		2.31	0.0168	0	0.1
	2.27		2.27		2.27	0.0168	0	0.1
	11.4		11.4		11.4	0.0257	0	2
	2.3		2.3		2.3	0.0168	0	0.2
	11.4		11.4		11.4	0.0598	0	1
	2.31		2.31		2.31	0.0168	0	0.1
	2.27		2.27		2.27	0.0168	0	0.1
	11.4		11.4		11.4	0.0257	0	2
	2.29		2.29		2.29	0.0168	0	0.2
	11.3		11.3		11.3	0.0598	0	1
	0.00097		0.00097		0.00097	2.17E-05	0.0002	0.0002
	0.001		0.001		0.001	2.17E-05	0.0002	0.0002
	0.001		0.001		0.001	2.17E-05	0.0002	0.0002
	0.00103		0.00103		0.00103	2.17E-05	0.0002	0.0002
<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	0.00101		0.00101		0.00101	2.17E-05	0.0002	0.0002
	0.00099		0.00099		0.00099	2.17E-05	0.0002	0.0002
	0.101		0.101		0.101	0.000829	0.01	0.01
	0.0915		0.0915		0.0915	0.000829	0.01	0.01
	0.267		0.267		0.267	0.000829	0.01	0.01
	0.258		0.258		0.258	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01

	0.115		0.115		0.115	0	0.01	0.01
	0.123		0.123		0.123	0	0.01	0.01
	0.101		0.101		0.101	0.00402	0.01	0.01
	0.0915		0.0915		0.0915	0.00402	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
	0.115		0.115		0.115	0.00402	0.01	0.01
	0.123		0.123		0.123	0.00402	0.01	0.01
	0.123		0.123		0.123	0.000829	0.01	0.01
	0.113		0.113		0.113	0.000829	0.01	0.01
	0.156		0.156		0.156	0.000829	0.01	0.01
	0.139		0.139		0.139	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.13		0.13		0.13	0	0.01	0.01
	0.126		0.126		0.126	0	0.01	0.01
	0.123		0.123		0.123	0.00402	0.01	0.01
	0.113		0.113		0.113	0.00402	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
	0.13		0.13		0.13	0.00402	0.01	0.01
	0.126		0.126		0.126	0.00402	0.01	0.01
	13.6		13.6		13.6	0.0181	0.5	0.5
	2.64		2.64		2.64	0.0119	0.2	0.2
	13.3		13.3		13.3	0.0485	0.5	0.5
	13.5		13.5		13.5	0.0181	0.5	0.5
	2.68		2.68		2.68	0.0119	0.2	0.2
	13		13		13	0.0485	0.5	0.5
	874		874		874	0.0181	0.5	0.5
	138		138		138	0.0119	0.2	0.2
	877		877		877	0.0485	0.5	0.5
	876		876		876	0.0181	0.5	0.5
	138		138		138	0.0119	0.2	0.2
	889		889		889	0.0485	0.5	0.5
<	0.5	<	0.5	<	0.5	0.0181	0.5	0.5
<	0.2	<	0.2	<	0.2	0.0119	0.2	0.2
<	0.5	<	0.5	<	0.5	0.0485	0.5	0.5
	13.5		13.5		13.5	0.0181	0.5	0.5
	2.68		2.68		2.68	0.0119	0.2	0.2
	13.1		13.1		13.1	0.0485	0.5	0.5
	13.7		13.7		13.7	0.0181	0.5	0.5
	2.68		2.68		2.68	0.0119	0.2	0.2
	13.7		13.7		13.7	0.0485	0.5	0.5
	49.7		49.7		49.7	0.0736	1	1
	50.9		50.9		50.9	0.0495	1	1
	49.9		49.9		49.9	0.0495	1	1
	45.8		45.8		45.8	0.0736	1	1
	50.8		50.8		50.8	0.0217	1	1
	50		50		50	0	0	1
	50.2		50.2		50.2	0	0	1
	49.5		49.5		49.5	0	0	1
	49		49		49	0.0736	1	1
	51		51		51	0.0495	1	1
	50.2		50.2		50.2	0.0495	1	1
	45.8		45.8		45.8	0.0736	1	1

	49.9	49.9	49.9	0.0217	1	1
	50.6	50.6	50.6	0	0	1
	49.9	49.9	49.9	0	0	1
	49.5	49.5	49.5	0	0	1
	44.2	44.2	44.2	0.0736	1	1
	47.7	47.7	47.7	0.0495	1	1
	45.8	45.8	45.8	0.0495	1	1
	42.6	42.6	42.6	0.0736	1	1
	47.4	47.4	47.4	0.0217	1	1
	50.6	50.6	50.6	0	0	1
	50.4	50.4	50.4	0	0	1
	49.5	49.5	49.5	0	0	1
	43.8	43.8	43.8	0.0736	1	1
	47.6	47.6	47.6	0.0495	1	1
	45.6	45.6	45.6	0.0495	1	1
	42.6	42.6	42.6	0.0736	1	1
	46.6	46.6	46.6	0.0217	1	1
	50.4	50.4	50.4	0	0	1
	49.4	49.4	49.4	0	0	1
	48.9	48.9	48.9	0	0	1
<	1 <	1 <	1	0.0699	1	1
<	1 <	1 <	1	0.0598	1	1
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<	1 <	1 <	1	0.1952	1	1
<	1 <	1 <	1	0.16	1	1
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<	5 <	5 <	5	0.1119	5	5
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<	1 <	1 <	1	0.1837	1	1
<	5 <	5 <	5	0.3941	5	5
<	5 <	5 <	5	0.484	5	5
<	5 <	5 <	5	0.0975	5	5
<	10 <	10 <	10	0.42007	10	10
<	1 <	1 <	1	0.0736	1	1
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<	1 <	1 <	1	0.0598	1	1
<	1 <	1 <	1	0.0299	1	1
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<	1 <	1 <	1	0.064	1	1
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<	1 <	1 <	1	0.0736	1	1
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<	1 <	1 <	1	0.0566	1	1
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<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
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<	1 <	1 <	1	0.0672	1	1
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<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
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<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	50.6	50.6	50.6	0	0	1
	50.8	50.8	50.8	0	0	1
	47.9	47.9	47.9	0	0	1
	56.6	56.6	56.6	0.0902	1	1
	50.1	50.1	50.1	0.0736	1	1
	51.6	51.6	51.6	0.0475	1	1
	52.5	52.5	52.5	0.0933	1	1
	46.5	46.5	46.5	0.0736	1	1
	50.7	50.7	50.7	0.0217	1	1
	51.9	51.9	51.9	0.0566	1	1
<	1 <	1 <	1	1	1	1
<	1 <	1 <	1	1	1	1

	64		64		64	4	4	4
	64		64		64	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	62		62		62	4	4	4
	62		62		62	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	2.38	4	4
	250		250		250	2.38	4	4
	252		252		252	2.38	4	4
	292		292		292	5	0	5
	300		300		300	5	0	5
	0	<	5	<	5	5		5
	1000		1000		1000	5	0	5
	1010		1010		1010	5	0	5
	49.8		49.8		49.8	0.0736	1	1
	51.4		51.4		51.4	0.0495	1	1
	50.1		50.1		50.1	0.0495	1	1
	46.3		46.3		46.3	0.0736	1	1
	50.2		50.2		50.2	0.0217	1	1
	51		51		51	0	0	1
	50.1		50.1		50.1	0	0	1
	51		51		51	0	0	1
	48.7		48.7		48.7	0.0736	1	1
	50.1		50.1		50.1	0.0495	1	1
	48.9		48.9		48.9	0.0495	1	1
	45.1		45.1		45.1	0.0736	1	1
	49.9		49.9		49.9	0.0217	1	1
	50		50		50	0	0	1
	49.8		49.8		49.8	0	0	1
	50.2		50.2		50.2	0	0	1
	50.8		50.8		50.8	0.0736	1	1
	51.8		51.8		51.8	0.0495	1	1
	50		50		50	0.0495	1	1
	46.1		46.1		46.1	0.0736	1	1
	51.3		51.3		51.3	0.0217	1	1
	50.6		50.6		50.6	0	0	1
	50.1		50.1		50.1	0	0	1
	50.8		50.8		50.8	0	0	1
	48		48		48	0.0736	1	1
	49.6		49.6		49.6	0.0495	1	1
	48.2		48.2		48.2	0.0495	1	1
	44.2		44.2		44.2	0.0736	1	1
	49		49		49	0.0217	1	1
	50.2		50.2		50.2	0	0	1
	49.7		49.7		49.7	0	0	1
	50.4		50.4		50.4	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
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<	1 <	1 <	1	0.16	1	1
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<	1 <	1 <	1	0.1837	1	1
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<	5 <	5 <	5	0.484	5	5
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<	10 <	10 <	10	0.42007	10	10
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<	1 <	1 <	1	0.0557	1	1
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<	1 <	1 <	1	0.0423	1	1
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<	1 <	1 <	1	0.0625	1	1
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<	1 <	1 <	1	0.0566	1	1
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<	5	<	5	<	5	5	5	5
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<	5	<	5	<	5	5	5	5
	50.8		50.8		50.8	0	0	1
	50.6		50.6		50.6	0	0	1
	49		49		49	0	0	1
	51.9		51.9		51.9	0.0902	1	1
	50.2		50.2		50.2	0.0736	1	1
	51.4		51.4		51.4	0.0475	1	1
	51.7		51.7		51.7	0.0933	1	1
	45.5		45.5		45.5	0.0736	1	1
	49.9		49.9		49.9	0.0217	1	1
	51.1		51.1		51.1	0.0566	1	1
	58.8		58.8		58.8	0.0902	1	1
	50.5		50.5		50.5	0.0736	1	1
	52.2		52.2		52.2	0.0475	1	1
	53.6		53.6		53.6	0.0933	1	1
	46.4		46.4		46.4	0.0736	1	1
	50.7		50.7		50.7	0.0217	1	1
	52.5		52.5		52.5	0.0566	1	1
<	1	<	1	<	1	1	1	1
	68		68		68	1	1	1
	12		12		12	4	4	4
	80		80		80	2.38	4	4
<	1	<	1	<	1	1	1	1
	72		72		72	1	1	1
	10		10		10	4	4	4
	82		82		82	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	2.38	4	4
<	1	<	1	<	1	1	1	1
	240		240		240	1	1	1
	10		10		10	4	4	4
	250		250		250	2.38	4	4
<	1	<	1	<	1	1	1	1
	244		244		244	1	1	1

	6		6		6	4	4	4
	250		250		250	2.38	4	4
	5.04		5.04		5.04	0.82	1	1
	4.59		4.59		4.59	0.82	1	1
	4.48		4.48		4.48	0.82	1	1
	4.42		4.42		4.42	0.82	1	1
<	1	<	1	<	1	0.82	1	1
	4.59		4.59		4.59	0.82	1	1
	4.7		4.7		4.7	0.82	1	1
	0.0856		0.0856		0.0856	0.000829	0.01	0.01
	0.0904		0.0904		0.0904	0.000829	0.01	0.01
	0.149		0.149		0.149	0.000829	0.01	0.01
	0.15		0.15		0.15	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.103		0.103		0.103	0	0.01	0.01
	0.108		0.108		0.108	0	0.01	0.01
	7.75		7.75		7.75	0	0	0
	7.75		7.75		7.75	0	0	0
	6.96		6.96		6.96	0	0	0
	7		7		7	0	0	0
	7.49		7.49		7.49	0	0	0
	7.49		7.49		7.49	0	0	0
	6.93		6.93		6.93	0	0	0
	7		7		7	0	0	0
	2.42		2.42		2.42	0.0168	0	0.1
	2.42		2.42		2.42	0.0168	0	0.1
	2.44		2.44		2.44	0.0168	0	0.1
	2.44		2.44		2.44	0.0168	0	0.1
	11.8		11.8		11.8	0.0257	0	2
	2.36		2.36		2.36	0.0168	0	0.2
	12.2		12.2		12.2	0.0598	0	1
	11.8		11.8		11.8	0.0257	0	2
	2.36		2.36		2.36	0.0168	0	0.2
	12.1		12.1		12.1	0.0598	0	1
	12.1		12.1		12.1	0.0168	0	0.1
	12.1		12.1		12.1	0.0168	0	0.1
	22		22		22	0.0168	0	0.1
	22		22		22	0.0168	0	0.1
	142		142		142	0.0257	0	2
	11.8		11.8		11.8	0.0168	0	0.2
	205		205		205	0.0598	0	1
	143		143		143	0.0257	0	2
	11.9		11.9		11.9	0.0168	0	0.2
	205		205		205	0.0598	0	1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.0257	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0598	0	1
	2.35		2.35		2.35	0.0168	0	0.1
	2.31		2.31		2.31	0.0168	0	0.1
	11.7		11.7		11.7	0.0257	0	2

	2.34		2.34		2.34	0.0168	0	0.2
	11.6		11.6		11.6	0.0598	0	1
	2.36		2.36		2.36	0.0168	0	0.1
	2.32		2.32		2.32	0.0168	0	0.1
	11.7		11.7		11.7	0.0257	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	11.6		11.6		11.6	0.0598	0	1
	687		687		687	0	0	0
	687		687		687	0	0	0
	0		0		0			
	1420		1420		1420	0	0	0
	1420		1420		1420	0	0	0
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	76		76		76	4	4	4
	76		76		76	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	76		76		76	4	4	4
	76		76		76	2.38	4	4
<	1	<	1	<	1	1	1	1
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<	4	<	4	<	4	2.38	4	4
<	1	<	1	<	1	1	1	1
	244		244		244	1	1	1
	10		10		10	4	4	4
	254		254		254	2.38	4	4
<	1	<	1	<	1	1	1	1
	244		244		244	1	1	1
	8		8		8	4	4	4
	252		252		252	2.38	4	4
	50.4		50.4		50.4	0.0736	1	1
	51.2		51.2		51.2	0.0495	1	1
	49.5		49.5		49.5	0.0495	1	1
	46		46		46	0.0736	1	1
	49.6		49.6		49.6	0.0217	1	1
	51.6		51.6		51.6	0	0	1
	49.6		49.6		49.6	0	0	1
	47.9		47.9		47.9	0	0	1
	50.7		50.7		50.7	0.0736	1	1
	51.6		51.6		51.6	0.0495	1	1
	50.2		50.2		50.2	0.0495	1	1
	46.3		46.3		46.3	0.0736	1	1
	50.2		50.2		50.2	0.0217	1	1
	51.8		51.8		51.8	0	0	1
	49.9		49.9		49.9	0	0	1
	47.4		47.4		47.4	0	0	1
	53.5		53.5		53.5	0.0736	1	1
	53		53		53	0.0495	1	1
	52		52		52	0.0495	1	1
	46.8		46.8		46.8	0.0736	1	1

	51.6		51.6	51.6	0.0217	1	1
	52.5		52.5	52.5	0	0	1
	49.6		49.6	49.6	0	0	1
	47.5		47.5	47.5	0	0	1
	50.3		50.3	50.3	0.0736	1	1
	51.5		51.5	51.5	0.0495	1	1
	50.1		50.1	50.1	0.0495	1	1
	45.4		45.4	45.4	0.0736	1	1
	49.8		49.8	49.8	0.0217	1	1
	51.8		51.8	51.8	0	0	1
	49.6		49.6	49.6	0	0	1
	47.3		47.3	47.3	0	0	1
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<	1	<	1	1	0.0598	1	1
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<	1	<	1	1	0.0933	1	1
<	1	<	1	1	0.0495	1	1
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<	1	<	1	1	0.064	1	1
<	1	<	1	1	0.0504	1	1
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<	1	<	1	1	0.1056	1	1
<	1	<	1	1	0.0625	1	1
<	1	<	1	1	0.0791	1	1
<	1	<	1	1	0.046	1	1

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<	1 <	1 <	1	0.0394	1	1
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<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
<	1 <	1 <	1	0.0406	1	1
<	1 <	1 <	1	0.1033	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0557	1	1
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<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	52.1	52.1	52.1	0	0	1
	50.7	50.7	50.7	0	0	1
	46.1	46.1	46.1	0	0	1
	55	55	55	0.0902	1	1
	50.4	50.4	50.4	0.0736	1	1
	50.6	50.6	50.6	0.0475	1	1
	52.1	52.1	52.1	0.0933	1	1
	45.8	45.8	45.8	0.0736	1	1
	49.9	49.9	49.9	0.0217	1	1
	51.4	51.4	51.4	0.0566	1	1
	54.3	54.3	54.3	0.0902	1	1
	49.7	49.7	49.7	0.0736	1	1
	51.6	51.6	51.6	0.0475	1	1
	51.5	51.5	51.5	0.0933	1	1
	45.8	45.8	45.8	0.0736	1	1
	49.4	49.4	49.4	0.0217	1	1
	51.5	51.5	51.5	0.0566	1	1
	7.78	7.78	7.78	0	0	0
	7.77	7.77	7.77	0	0	0
	6.94	6.94	6.94	0	0	0

6.97		6.97		6.97	0	0	0
2.41		2.41		2.41	0.0168	0	0.1
2.41		2.41		2.41	0.0168	0	0.1
2.43		2.43		2.43	0.0168	0	0.1
2.43		2.43		2.43	0.0168	0	0.1
11.7		11.7		11.7	0.0257	0	2
2.36		2.36		2.36	0.0168	0	0.2
12.1		12.1		12.1	0.0598	0	1
11.7		11.7		11.7	0.0257	0	2
2.36		2.36		2.36	0.0168	0	0.2
12.1		12.1		12.1	0.0598	0	1
12.1		12.1		12.1	0.0168	0	0.1
11.6		11.6		11.6	0.0168	0	0.1
16.5		16.5		16.5	0.0168	0	0.1
16.2		16.2		16.2	0.0168	0	0.1
96.5		96.5		96.5	0.0257	0	2
12		12		12	0.0168	0	0.2
126		126		126	0.0598	0	1
95.5		95.5		95.5	0.0257	0	2
11.4		11.4		11.4	0.0168	0	0.2
127		127		127	0.0598	0	1
0	<	0.1	<	0.1	0.0168	0	0.1
0	<	0.1	<	0.1	0.0168	0	0.1
0	<	2	<	2	0.0257	0	2
0	<	0.2	<	0.2	0.0168	0	0.2
0	<	1	<	1	0.0598	0	1
2.36		2.36		2.36	0.0168	0	0.1
2.31		2.31		2.31	0.0168	0	0.1
11.7		11.7		11.7	0.0257	0	2
2.34		2.34		2.34	0.0168	0	0.2
11.7		11.7		11.7	0.0598	0	1
2.36		2.36		2.36	0.0168	0	0.1
2.31		2.31		2.31	0.0168	0	0.1
11.7		11.7		11.7	0.0257	0	2
2.34		2.34		2.34	0.0168	0	0.2
11.7		11.7		11.7	0.0598	0	1
0.12		0.12		0.12	0.0021	0.002	0.002
0.507		0.507		0.507	0.0043	0.01	0.01
0.987		0.987		0.987	0.0017	0.01	0.01
0.023		0.023		0.023	0.0022	0.0025	0.0025
0.235		0.235		0.235	0.0014	0.001	0.001
0.234		0.234		0.234	0.0022	0.005	0.005
0.096		0.096		0.096	0.0009	0.005	0.005
0.124		0.124		0.124	0.0014	0.005	0.005
0.235		0.235		0.235	0.0019	0.005	0.005
0.501		0.501		0.501	0.0074	0.005	0.005
0.256		0.256		0.256	0.0166	0.05	0.05
0.433		0.433		0.433	0.0131	0.01	0.01
0.299		0.299		0.299	0.0124	0.025	0.025
0.478		0.478		0.478	0.0189	0.05	0.05
0.251		0.251		0.251	0.0015	0.005	0.005
0.222		0.222		0.222	0.0071	0.005	0.005

	0.121		0.121		0.121	0.0021	0.002	0.002
	0.485		0.485		0.485	0.0043	0.01	0.01
	0.989		0.989		0.989	0.0017	0.01	0.01
	0.025		0.025		0.025	0.0022	0.0025	0.0025
	0.234		0.234		0.234	0.0014	0.001	0.001
	0.236		0.236		0.236	0.0022	0.005	0.005
	0.099		0.099		0.099	0.0009	0.005	0.005
	0.125		0.125		0.125	0.0014	0.005	0.005
	0.239		0.239		0.239	0.0019	0.005	0.005
	0.509		0.509		0.509	0.0074	0.005	0.005
	0.249		0.249		0.249	0.0166	0.05	0.05
	0.414		0.414		0.414	0.0131	0.01	0.01
	0.3		0.3		0.3	0.0124	0.025	0.025
	0.482		0.482		0.482	0.0189	0.05	0.05
	0.254		0.254		0.254	0.0015	0.005	0.005
	0.23		0.23		0.23	0.0071	0.005	0.005
	0.118		0.118		0.118	0.0021	0.002	0.002
	0.452		0.452		0.452	0.0043	0.01	0.01
	1.03		1.03		1.03	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.234		0.234		0.234	0.0014	0.001	0.001
	0.23		0.23		0.23	0.0022	0.005	0.005
	0.102		0.102		0.102	0.0009	0.005	0.005
	0.126		0.126		0.126	0.0014	0.005	0.005
	0.233		0.233		0.233	0.0019	0.005	0.005
	0.499		0.499		0.499	0.0074	0.005	0.005
	0.204		0.204		0.204	0.0166	0.05	0.05
	0.43		0.43		0.43	0.0131	0.01	0.01
	0.304		0.304		0.304	0.0124	0.025	0.025
	0.473		0.473		0.473	0.0189	0.05	0.05
	0.258		0.258		0.258	0.0015	0.005	0.005
	0.224		0.224		0.224	0.0071	0.005	0.005
	0.119		0.119		0.119	0.0021	0.002	0.002
	0.466		0.466		0.466	0.0043	0.01	0.01
	1.04		1.04		1.04	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.236		0.236		0.236	0.0014	0.001	0.001
	0.234		0.234		0.234	0.0022	0.005	0.005
	0.106		0.106		0.106	0.0009	0.005	0.005
	0.128		0.128		0.128	0.0014	0.005	0.005
	0.235		0.235		0.235	0.0019	0.005	0.005
	0.492		0.492		0.492	0.0074	0.005	0.005
	0.206		0.206		0.206	0.0166	0.05	0.05
	0.426		0.426		0.426	0.0131	0.01	0.01
	0.309		0.309		0.309	0.0124	0.025	0.025
	0.468		0.468		0.468	0.0189	0.05	0.05
	0.262		0.262		0.262	0.0015	0.005	0.005
	0.228		0.228		0.228	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025

<	0.001 <	0.001 <	0.001	0.0014	0.001	0.001
<	0.005 <	0.005 <	0.005	0.0022	0.005	0.005
<	0.005 <	0.005 <	0.005	0.0009	0.005	0.005
<	0.005 <	0.005 <	0.005	0.0014	0.005	0.005
<	0.005 <	0.005 <	0.005	0.0019	0.005	0.005
<	0.005 <	0.005 <	0.005	0.0074	0.005	0.005
<	0.05 <	0.05 <	0.05	0.0166	0.05	0.05
<	0.01 <	0.01 <	0.01	0.0131	0.01	0.01
<	0.025 <	0.025 <	0.025	0.0124	0.025	0.025
<	0.05 <	0.05 <	0.05	0.0189	0.05	0.05
<	0.005 <	0.005 <	0.005	0.0015	0.005	0.005
<	0.005 <	0.005 <	0.005	0.0071	0.005	0.005
	0.129	0.129	0.129	0.0021	0.002	0.002
	1.03	1.03	1.03	0.0043	0.01	0.01
	1.04	1.04	1.04	0.0017	0.01	0.01
	1.04	1.04	1.04	0.0022	0.0025	0.0025
	1.04	1.04	1.04	0.0014	0.001	0.001
	1.05	1.05	1.05	0.0022	0.005	0.005
	1.06	1.06	1.06	0.0009	0.005	0.005
	1.02	1.02	1.02	0.0014	0.005	0.005
	1.04	1.04	1.04	0.0019	0.005	0.005
	1.03	1.03	1.03	0.0074	0.005	0.005
	1.03	1.03	1.03	0.0166	0.05	0.05
	1.05	1.05	1.05	0.0131	0.01	0.01
	1.08	1.08	1.08	0.0124	0.025	0.025
	1.05	1.05	1.05	0.0189	0.05	0.05
	1	1	1	0.0015	0.005	0.005
	1.04	1.04	1.04	0	0.005	0.005
	0.125	0.125	0.125	0.0021	0.002	0.002
	0.991	0.991	0.991	0.0043	0.01	0.01
	1.01	1.01	1.01	0.0017	0.01	0.01
	0.991	0.991	0.991	0.0022	0.0025	0.0025
	1.03	1.03	1.03	0.0014	0.001	0.001
	1	1	1	0.0022	0.005	0.005
	1.02	1.02	1.02	0.0009	0.005	0.005
	0.987	0.987	0.987	0.0014	0.005	0.005
	0.996	0.996	0.996	0.0019	0.005	0.005
	1.03	1.03	1.03	0.0074	0.005	0.005
	0.986	0.986	0.986	0.0166	0.05	0.05
	1	1	1	0.0131	0.01	0.01
	1.03	1.03	1.03	0.0124	0.025	0.025
	1.01	1.01	1.01	0.0189	0.05	0.05
	0.966	0.966	0.966	0.0015	0.005	0.005
	0.999	0.999	0.999	0.0071	0.005	0.005
	2.43	2.43	2.43	0.0168	0	0.1
	2.41	2.41	2.41	0.0168	0	0.1
	2.45	2.45	2.45	0.0168	0	0.1
	2.43	2.43	2.43	0.0168	0	0.1
	11.8	11.8	11.8	0.0257	0	2
	2.35	2.35	2.35	0.0168	0	0.2
	12.1	12.1	12.1	0.0598	0	1
	11.8	11.8	11.8	0.0257	0	2

	2.34		2.34		2.34	0.0168	0	0.2
	12.1		12.1		12.1	0.0598	0	1
	12.1		12.1		12.1	0.0168	0	0.1
	12.2		12.2		12.2	0.0168	0	0.1
	15.9		15.9		15.9	0.0168	0	0.1
	15.9		15.9		15.9	0.0168	0	0.1
	87.2		87.2		87.2	0.0257	0	2
	12		12		12	0.0168	0	0.2
	109		109		109	0.0598	0	1
	87.3		87.3		87.3	0.0257	0	2
	12		12		12	0.0168	0	0.2
	109		109		109	0.0598	0	1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.0257	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0598	0	1
	2.36		2.36		2.36	0.0168	0	0.1
	2.32		2.32		2.32	0.0168	0	0.1
	11.7		11.7		11.7	0.0257	0	2
	2.35		2.35		2.35	0.0168	0	0.2
	11.6		11.6		11.6	0.0598	0	1
	2.37		2.37		2.37	0.0168	0	0.1
	2.32		2.32		2.32	0.0168	0	0.1
	11.7		11.7		11.7	0.0257	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	11.6		11.6		11.6	0.0598	0	1
	0.0856		0.0856		0.0856	0.00402	0.01	0.01
	0.0904		0.0904		0.0904	0.00402	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
	0.103		0.103		0.103	0.00402	0.01	0.01
	0.108		0.108		0.108	0.00402	0.01	0.01
	52.3		52.3		52.3	0.0699	1	1
	38.3		38.3		38.3	0.0598	1	1
	48.1		48.1		48.1	0.2298	1	1
	48.1		48.1		48.1	0.0902	1	1
	47.4		47.4		47.4	0.7402	5	5
	49.4		49.4		49.4	0.1952	1	1
	55.6		55.6		55.6	0.16	1	1
	45.3		45.3		45.3	0.8536	10	10
	50.5		50.5		50.5	0.1119	5	5
	49.7		49.7		49.7	0.0764	1	1
	54.4		54.4		54.4	0.1837	1	1
	49.8		49.8		49.8	0.3941	5	5
	52.4		52.4		52.4	0.484	5	5
	54.7		54.7		54.7	0.0975	5	5
	45.9		45.9		45.9	0.42007	10	10
	50.3		50.3		50.3	0.0736	1	1
	45.6		45.6		45.6	0.6888	5	5
	53.4		53.4		53.4	0.0504	1	1
	50.4		50.4		50.4	0.0598	1	1
	51.8		51.8		51.8	0.0299	1	1

51.5	51.5	51.5	0.1006	1	1
35.4	35.4	35.4	0.0665	1	1
51.4	51.4	51.4	0.0557	1	1
51.4	51.4	51.4	0.0475	1	1
51.8	51.8	51.8	0.0846	1	1
50.7	50.7	50.7	0.0423	1	1
50.6	50.6	50.6	0.0495	1	1
52.6	52.6	52.6	0.1213	1	1
51.2	51.2	51.2	0.0933	1	1
49.5	49.5	49.5	0.0495	1	1
51.3	51.3	51.3	0.064	1	1
52.3	52.3	52.3	0.0651	1	1
51.2	51.2	51.2	0.0905	5	5
49.3	49.3	49.3	0.064	1	1
50.2	50.2	50.2	0.0504	1	1
45.1	45.1	45.1	0.0736	1	1
50.5	50.5	50.5	0.1056	1	1
50.7	50.7	50.7	0.0625	1	1
51.7	51.7	51.7	0.0791	1	1
51	51	51	0.046	1	1
48.5	48.5	48.5	0.0696	1	1
48.6	48.6	48.6	0.0217	1	1
49.9	49.9	49.9	0.1253	1	1
49.9	49.9	49.9	0.0566	1	1
100	100	100	0.0363	1	1
50.4	50.4	50.4	0.0859	1	1
51.6	51.6	51.6	0.0394	1	1
50.6	50.6	50.6	0.05046	1	1
51.6	51.6	51.6	0.0672	1	1
48.7	48.7	48.7	0.0283	1	1
47.8	47.8	47.8	0.0679	1	1
48.9	48.9	48.9	0.0406	1	1
47.3	47.3	47.3	0.1033	1	1
48.1	48.1	48.1	0.0423	1	1
48.9	48.9	48.9	0.0557	1	1
48.3	48.3	48.3	0.077	1	1
48.4	48.4	48.4	0.0336	1	1
46.5	46.5	46.5	0.0672	1	1
48.1	48.1	48.1	0.0439	1	1
47	47	47	0.0672	1	1
48	48	48	0.0513	1	1
47.8	47.8	47.8	0.046	1	1
48.3	48.3	48.3	0.0629	1	1
47.3	47.3	47.3	0.04	1	1
46.1	46.1	46.1	0.5379	5	5
34.8	34.8	34.8	0.5035	5	5
46.4	46.4	46.4	0.1663	5	5
37.5	37.5	37.5	0.4166	5	5
45.7	45.7	45.7	0.1758	5	5
52.4	52.4	52.4	0	0	1
49.1	49.1	49.1	0	0	1
48.1	48.1	48.1	0	0	1

52.4	52.4	52.4	0.0699	1	1
42.6	42.6	42.6	0.0598	1	1
50.2	50.2	50.2	0.2298	1	1
50	50	50	0.0902	1	1
49.5	49.5	49.5	0.7402	5	5
51.8	51.8	51.8	0.1952	1	1
56.5	56.5	56.5	0.16	1	1
48.3	48.3	48.3	0.8536	10	10
50.7	50.7	50.7	0.1119	5	5
50.4	50.4	50.4	0.0764	1	1
55	55	55	0.1837	1	1
50.2	50.2	50.2	0.3941	5	5
51.4	51.4	51.4	0.484	5	5
53.9	53.9	53.9	0.0975	5	5
45.4	45.4	45.4	0.42007	10	10
50.3	50.3	50.3	0.0736	1	1
45.8	45.8	45.8	0.6888	5	5
53.2	53.2	53.2	0.0504	1	1
50.3	50.3	50.3	0.0598	1	1
51.5	51.5	51.5	0.0299	1	1
51.5	51.5	51.5	0.1006	1	1
34	34	34	0.0665	1	1
51.5	51.5	51.5	0.0557	1	1
51.4	51.4	51.4	0.0475	1	1
51.6	51.6	51.6	0.0846	1	1
51.7	51.7	51.7	0.0423	1	1
51.1	51.1	51.1	0.0495	1	1
53.1	53.1	53.1	0.1213	1	1
51.2	51.2	51.2	0.0933	1	1
50.2	50.2	50.2	0.0495	1	1
51.8	51.8	51.8	0.064	1	1
53.3	53.3	53.3	0.0651	1	1
51.2	51.2	51.2	0.0905	5	5
49.5	49.5	49.5	0.064	1	1
50.8	50.8	50.8	0.0504	1	1
45.4	45.4	45.4	0.0736	1	1
51	51	51	0.1056	1	1
50.4	50.4	50.4	0.0625	1	1
52	52	52	0.0791	1	1
51.1	51.1	51.1	0.046	1	1
48.8	48.8	48.8	0.0696	1	1
48.8	48.8	48.8	0.0217	1	1
50.1	50.1	50.1	0.1253	1	1
50.4	50.4	50.4	0.0566	1	1
101	101	101	0.0363	1	1
51	51	51	0.0859	1	1
52.1	52.1	52.1	0.0394	1	1
50.9	50.9	50.9	0.05046	1	1
51.5	51.5	51.5	0.0672	1	1
49.3	49.3	49.3	0.0283	1	1
48.1	48.1	48.1	0.0679	1	1
49.9	49.9	49.9	0.0406	1	1

48.6	48.6	48.6	0.1033	1	1
48.9	48.9	48.9	0.0423	1	1
50	50	50	0.0557	1	1
49.2	49.2	49.2	0.077	1	1
49.3	49.3	49.3	0.0336	1	1
47.3	47.3	47.3	0.0672	1	1
49.5	49.5	49.5	0.0439	1	1
47.7	47.7	47.7	0.0672	1	1
49.1	49.1	49.1	0.0513	1	1
49	49	49	0.046	1	1
49.5	49.5	49.5	0.0629	1	1
48.4	48.4	48.4	0.04	1	1
47.5	47.5	47.5	0.5379	5	5
54.7	54.7	54.7	0.5035	5	5
50.8	50.8	50.8	0.1663	5	5
47.2	47.2	47.2	0.4166	5	5
47.2	47.2	47.2	0.1758	5	5
52	52	52	0	0	1
49.5	49.5	49.5	0	0	1
48.7	48.7	48.7	0	0	1
54.2	54.2	54.2	0.0699	1	1
40.9	40.9	40.9	0.0598	1	1
53	53	53	0.2298	1	1
52.1	52.1	52.1	0.0902	1	1
50.5	50.5	50.5	0.7402	5	5
53.5	53.5	53.5	0.1952	1	1
61.9	61.9	61.9	0.16	1	1
48.9	48.9	48.9	0.8536	10	10
52.2	52.2	52.2	0.1119	5	5
53.2	53.2	53.2	0.0764	1	1
55.4	55.4	55.4	0.1837	1	1
48.6	48.6	48.6	0.3941	5	5
53.7	53.7	53.7	0.484	5	5
57	57	57	0.0975	5	5
46.9	46.9	46.9	0.420717	10	10
53.2	53.2	53.2	0.0736	1	1
46.8	46.8	46.8	0.6888	5	5
54.8	54.8	54.8	0.0504	1	1
52.9	52.9	52.9	0.0598	1	1
53.5	53.5	53.5	0.0299	1	1
53.7	53.7	53.7	0.1006	1	1
33.2	33.2	33.2	0.0665	1	1
53.8	53.8	53.8	0.0557	1	1
53.5	53.5	53.5	0.0475	1	1
54.6	54.6	54.6	0.0846	1	1
53	53	53	0.0423	1	1
52.6	52.6	52.6	0.0495	1	1
55.6	55.6	55.6	0.1213	1	1
53	53	53	0.0933	1	1
51.5	51.5	51.5	0.0495	1	1
52.5	52.5	52.5	0.064	1	1
54.3	54.3	54.3	0.0651	1	1

53	53	53	0.0905	5	5
49.8	49.8	49.8	0.064	1	1
51	51	51	0.0504	1	1
46.4	46.4	46.4	0.0736	1	1
52.1	52.1	52.1	0.1056	1	1
51.6	51.6	51.6	0.0625	1	1
53.4	53.4	53.4	0.0791	1	1
52.2	52.2	52.2	0.046	1	1
49.2	49.2	49.2	0.0696	1	1
50.2	50.2	50.2	0.0217	1	1
51.5	51.5	51.5	0.1253	1	1
51.7	51.7	51.7	0.0566	1	1
104	104	104	0.0363	1	1
52.6	52.6	52.6	0.0859	1	1
50.2	50.2	50.2	0.0394	1	1
52.4	52.4	52.4	0.0504	1	1
52	52	52	0.0672	1	1
50.9	50.9	50.9	0.0283	1	1
48.8	48.8	48.8	0.0679	1	1
50.9	50.9	50.9	0.0406	1	1
49.2	49.2	49.2	0.1033	1	1
50.3	50.3	50.3	0.0423	1	1
50.8	50.8	50.8	0.0557	1	1
50.1	50.1	50.1	0.077	1	1
49.8	49.8	49.8	0.0336	1	1
48.2	48.2	48.2	0.0672	1	1
50.8	50.8	50.8	0.0439	1	1
49	49	49	0.0672	1	1
50.4	50.4	50.4	0.0513	1	1
49.8	49.8	49.8	0.046	1	1
49.5	49.5	49.5	0.0629	1	1
50	50	50	0.04	1	1
47.8	47.8	47.8	0.5379	5	5
55.9	55.9	55.9	0.5035	5	5
52.1	52.1	52.1	0.1663	5	5
46.7	46.7	46.7	0.4166	5	5
50.2	50.2	50.2	0.1758	5	5
52.8	52.8	52.8	0	0	1
49.7	49.7	49.7	0	0	1
48.4	48.4	48.4	0	0	1
51.2	51.2	51.2	0.0699	1	1
41	41	41	0.0598	1	1
50.2	50.2	50.2	0.2298	1	1
50	50	50	0.0902	1	1
48	48	48	0.7402	5	5
52.1	52.1	52.1	0.1952	1	1
59.3	59.3	59.3	0.16	1	1
44.2	44.2	44.2	0.8536	10	10
49.2	49.2	49.2	0.1119	5	5
49.6	49.6	49.6	0.0764	1	1
52.3	52.3	52.3	0.1837	1	1
46	46	46	0.3941	5	5

49	49	49	0.484	5	5
52.5	52.5	52.5	0.0975	5	5
42.4	42.4	42.4	0.420717	10	10
49.7	49.7	49.7	0.0736	1	1
44.8	44.8	44.8	0.6888	5	5
51	51	51	0.0504	1	1
49.7	49.7	49.7	0.0598	1	1
50.9	50.9	50.9	0.0299	1	1
51.2	51.2	51.2	0.1006	1	1
29.8	29.8	29.8	0.0665	1	1
50.6	50.6	50.6	0.0557	1	1
50.8	50.8	50.8	0.0475	1	1
51.1	51.1	51.1	0.0846	1	1
51	51	51	0.0423	1	1
50.4	50.4	50.4	0.0495	1	1
53.2	53.2	53.2	0.1213	1	1
51	51	51	0.0933	1	1
49	49	49	0.0495	1	1
50	50	50	0.064	1	1
52.1	52.1	52.1	0.0651	1	1
51	51	51	0.0905	5	5
47.6	47.6	47.6	0.064	1	1
48.4	48.4	48.4	0.0504	1	1
44	44	44	0.0736	1	1
49.9	49.9	49.9	0.1056	1	1
49.4	49.4	49.4	0.0625	1	1
51.2	51.2	51.2	0.0791	1	1
49.1	49.1	49.1	0.046	1	1
46.8	46.8	46.8	0.0696	1	1
48.1	48.1	48.1	0.0217	1	1
49.7	49.7	49.7	0.1253	1	1
49.7	49.7	49.7	0.0566	1	1
99.6	99.6	99.6	0.0363	1	1
49.4	49.4	49.4	0.0859	1	1
47.8	47.8	47.8	0.0394	1	1
50.1	50.1	50.1	0.0504	1	1
49.6	49.6	49.6	0.0672	1	1
48.1	48.1	48.1	0.0283	1	1
45.8	45.8	45.8	0.0679	1	1
48.6	48.6	48.6	0.0406	1	1
46.9	46.9	46.9	0.1033	1	1
48	48	48	0.0423	1	1
48.7	48.7	48.7	0.0557	1	1
47.9	47.9	47.9	0.077	1	1
47.4	47.4	47.4	0.0336	1	1
45.6	45.6	45.6	0.0672	1	1
48.2	48.2	48.2	0.0439	1	1
46.5	46.5	46.5	0.0672	1	1
47.7	47.7	47.7	0.0513	1	1
47.6	47.6	47.6	0.046	1	1
47.2	47.2	47.2	0.0629	1	1
47	47	47	0.04	1	1

	45		45		45	0.5379	5	5
	53.2		53.2		53.2	0.5035	5	5
	48		48		48	0.1663	5	5
	44		44		44	0.4166	5	5
	46		46		46	0.1758	5	5
	51.9		51.9		51.9	0	0	1
	49.5		49.5		49.5	0	0	1
	48.8		48.8		48.8	0	0	1
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<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
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<	1 <	1 <	1	0.0679	1	1
<	1 <	1 <	1	0.0406	1	1
<	1 <	1 <	1	0.1033	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.077	1	1
<	1 <	1 <	1	0.0336	1	1
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<	1 <	1 <	1	0.0439	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0513	1	1
<	1 <	1 <	1	0.046	1	1
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<	1 <	1 <	1	0.04	1	1
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<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	52.5	52.5	52.5	0	0	1
	49.5	49.5	49.5	0	0	1
	47.6	47.6	47.6	0	0	1
	52.5	52.5	52.5	0.0699	1	1
	39.1	39.1	39.1	0.0598	1	1
	45.1	45.1	45.1	0.2298	1	1
	44.2	44.2	44.2	0.0902	1	1
	42	42	42	0.7402	5	5
	44	44	44	0.1952	1	1
	52.3	52.3	52.3	0.16	1	1
	45.6	45.6	45.6	0.8536	10	10
	50.7	50.7	50.7	0.1119	5	5
	49.6	49.6	49.6	0.0764	1	1
	52.9	52.9	52.9	0.1837	1	1
	49.4	49.4	49.4	0.3941	5	5
	49.9	49.9	49.9	0.484	5	5
	55.1	55.1	55.1	0.0975	5	5
	50	50	50	0.4207	10	10
	50.6	50.6	50.6	0.0736	1	1
	46.4	46.4	46.4	0.6888	5	5
	53.1	53.1	53.1	0.0504	1	1
	49.9	49.9	49.9	0.0598	1	1
	51	51	51	0.0299	1	1
	51.8	51.8	51.8	0.1006	1	1

40.5	40.5	40.5	0.0665	1	1
49.5	49.5	49.5	0.0557	1	1
50.6	50.6	50.6	0.0475	1	1
50.8	50.8	50.8	0.0846	1	1
50.1	50.1	50.1	0.0423	1	1
49.8	49.8	49.8	0.0495	1	1
51	51	51	0.1213	1	1
50.8	50.8	50.8	0.0933	1	1
49.6	49.6	49.6	0.0495	1	1
50.8	50.8	50.8	0.064	1	1
52	52	52	0.0651	1	1
50.8	50.8	50.8	0.0905	5	5
50.6	50.6	50.6	0.064	1	1
50.7	50.7	50.7	0.0504	1	1
44.6	44.6	44.6	0.0736	1	1
50.4	50.4	50.4	0.1056	1	1
49.7	49.7	49.7	0.0625	1	1
52.1	52.1	52.1	0.0791	1	1
51.3	51.3	51.3	0.046	1	1
47.5	47.5	47.5	0.0696	1	1
48.4	48.4	48.4	0.0217	1	1
48.3	48.3	48.3	0.1253	1	1
49.4	49.4	49.4	0.0566	1	1
98.3	98.3	98.3	0.0363	1	1
52.2	52.2	52.2	0.0859	1	1
51.5	51.5	51.5	0.0394	1	1
49.8	49.8	49.8	0.0504	1	1
52.1	52.1	52.1	0.0672	1	1
49	49	49	0.0283	1	1
49.4	49.4	49.4	0.0679	1	1
49.6	49.6	49.6	0.0406	1	1
48.4	48.4	48.4	0.1033	1	1
48.7	48.7	48.7	0.0423	1	1
49.5	49.5	49.5	0.0557	1	1
48.9	48.9	48.9	0.077	1	1
49.3	49.3	49.3	0.0336	1	1
46.8	46.8	46.8	0.0672	1	1
49.2	49.2	49.2	0.0439	1	1
47.9	47.9	47.9	0.0672	1	1
49.2	49.2	49.2	0.0513	1	1
48.9	48.9	48.9	0.046	1	1
49.3	49.3	49.3	0.0629	1	1
52.5	52.5	52.5	0.04	1	1
46.8	46.8	46.8	0.5379	5	5
65.3	65.3	65.3	0.5035	5	5
54.4	54.4	54.4	0.1663	5	5
53	53	53	0.4166	5	5
49.4	49.4	49.4	0.1758	5	5
0.0009	0.0009	0.0009	2.17E-05	0.0002	0.0002
0.0009	0.0009	0.0009	2.17E-05	0.0002	0.0002
0.00103	0.00103	0.00103	2.17E-05	0.0002	0.0002
0.00104	0.00104	0.00104	2.17E-05	0.0002	0.0002

<	0.0002	<	0.0002	<	0.0002	2.17E-05	0.0002	0.0002
	0.00101		0.00101		0.00101	2.17E-05	0.0002	0.0002
	0.00101		0.00101		0.00101	2.17E-05	0.0002	0.0002
	53.4		53.4		53.4	0.0699	1	1
	42.8		42.8		42.8	0.0598	1	1
	53.9		53.9		53.9	0.2298	1	1
	53.8		53.8		53.8	0.0902	1	1
	58.8		58.8		58.8	0.7402	5	5
	58.3		58.3		58.3	0.1952	1	1
	59		59		59	0.16	1	1
	46.9		46.9		46.9	0.8536	10	10
	52.5		52.5		52.5	0.1119	5	5
	52.7		52.7		52.7	0.0764	1	1
	55.2		55.2		55.2	0.1837	1	1
	46.5		46.5		46.5	0.3941	5	5
	50.2		50.2		50.2	0.484	5	5
	53.6		53.6		53.6	0.0975	5	5
	45.9		45.9		45.9	0.42007	10	10
	52		52		52	0.0736	1	1
	48.4		48.4		48.4	0.6888	5	5
	53.6		53.6		53.6	0.0504	1	1
	52.5		52.5		52.5	0.0598	1	1
	53.6		53.6		53.6	0.0299	1	1
	53.1		53.1		53.1	0.1006	1	1
	38.3		38.3		38.3	0.0665	1	1
	53.9		53.9		53.9	0.0557	1	1
	53.8		53.8		53.8	0.0475	1	1
	53.3		53.3		53.3	0.0846	1	1
	53		53		53	0.0423	1	1
	53		53		53	0.0495	1	1
	55.2		55.2		55.2	0.1213	1	1
	53.3		53.3		53.3	0.0933	1	1
	51.2		51.2		51.2	0.0495	1	1
	53.4		53.4		53.4	0.064	1	1
	54.3		54.3		54.3	0.0651	1	1
	53.3		53.3		53.3	0.0905	5	5
	51		51		51	0.064	1	1
	52.7		52.7		52.7	0.0504	1	1
	47.3		47.3		47.3	0.0736	1	1
	51.6		51.6		51.6	0.1056	1	1
	51.1		51.1		51.1	0.0625	1	1
	52		52		52	0.0791	1	1
	50.6		50.6		50.6	0.046	1	1
	51.1		51.1		51.1	0.0696	1	1
	49.9		49.9		49.9	0.0217	1	1
	51		51		51	0.1253	1	1
	51.5		51.5		51.5	0.0566	1	1
	104		104		104	0.0363	1	1
	49.5		49.5		49.5	0.0859	1	1
	53.8		53.8		53.8	0.0394	1	1
	52.4		52.4		52.4	0.05046	1	1
	50		50		50	0.0672	1	1

50.6	50.6	50.6	0.0283	1	1
47.7	47.7	47.7	0.0679	1	1
51	51	51	0.0406	1	1
48.8	48.8	48.8	0.1033	1	1
50.4	50.4	50.4	0.0423	1	1
51.6	51.6	51.6	0.0557	1	1
51.1	51.1	51.1	0.077	1	1
51.1	51.1	51.1	0.0336	1	1
47.9	47.9	47.9	0.0672	1	1
51.8	51.8	51.8	0.0439	1	1
48.8	48.8	48.8	0.0672	1	1
51.3	51.3	51.3	0.0513	1	1
49.7	49.7	49.7	0.046	1	1
50	50	50	0.0629	1	1
51	51	51	0.04	1	1
45.5	45.5	45.5	0.5379	5	5
52.2	52.2	52.2	0.5035	5	5
51.4	51.4	51.4	0.1663	5	5
44.1	44.1	44.1	0.4166	5	5
52.1	52.1	52.1	0.1758	5	5
53.3	53.3	53.3	0	0	1
49.7	49.7	49.7	0	0	1
47.6	47.6	47.6	0	0	1
53.4	53.4	53.4	0.0699	1	1
42.6	42.6	42.6	0.0598	1	1
53.6	53.6	53.6	0.2298	1	1
54.1	54.1	54.1	0.0902	1	1
58.4	58.4	58.4	0.7402	5	5
57.2	57.2	57.2	0.1952	1	1
59.9	59.9	59.9	0.16	1	1
46.5	46.5	46.5	0.8536	10	10
51.9	51.9	51.9	0.1119	5	5
52.3	52.3	52.3	0.0764	1	1
53.5	53.5	53.5	0.1837	1	1
46.7	46.7	46.7	0.3941	5	5
49	49	49	0.484	5	5
52.2	52.2	52.2	0.0975	5	5
44	44	44	0.42007	10	10
51.8	51.8	51.8	0.0736	1	1
48.4	48.4	48.4	0.6888	5	5
52.9	52.9	52.9	0.0504	1	1
51.7	51.7	51.7	0.0598	1	1
52.5	52.5	52.5	0.0299	1	1
52.8	52.8	52.8	0.1006	1	1
35.9	35.9	35.9	0.0665	1	1
53.7	53.7	53.7	0.0557	1	1
53.4	53.4	53.4	0.0475	1	1
52.8	52.8	52.8	0.0846	1	1
51.9	51.9	51.9	0.0423	1	1
51.6	51.6	51.6	0.0495	1	1
54.3	54.3	54.3	0.1213	1	1
52.4	52.4	52.4	0.0933	1	1

50.2	50.2	50.2	0.0495	1	1
51.5	51.5	51.5	0.064	1	1
53.3	53.3	53.3	0.0651	1	1
52.4	52.4	52.4	0.0905	5	5
50.1	50.1	50.1	0.064	1	1
51.4	51.4	51.4	0.0504	1	1
46.3	46.3	46.3	0.0736	1	1
51.2	51.2	51.2	0.1056	1	1
50.5	50.5	50.5	0.0625	1	1
51.8	51.8	51.8	0.0791	1	1
49.7	49.7	49.7	0.046	1	1
50.3	50.3	50.3	0.0696	1	1
49.5	49.5	49.5	0.0217	1	1
50.4	50.4	50.4	0.1253	1	1
51.4	51.4	51.4	0.0566	1	1
104	104	104	0.0363	1	1
49	49	49	0.0859	1	1
53.4	53.4	53.4	0.0394	1	1
52.3	52.3	52.3	0.05046	1	1
49.6	49.6	49.6	0.0672	1	1
50.3	50.3	50.3	0.0283	1	1
46.7	46.7	46.7	0.0679	1	1
50.9	50.9	50.9	0.0406	1	1
48.7	48.7	48.7	0.1033	1	1
50.4	50.4	50.4	0.0423	1	1
51.5	51.5	51.5	0.0557	1	1
50.6	50.6	50.6	0.077	1	1
50.2	50.2	50.2	0.0336	1	1
47.5	47.5	47.5	0.0672	1	1
51.2	51.2	51.2	0.0439	1	1
48.2	48.2	48.2	0.0672	1	1
51.2	51.2	51.2	0.0513	1	1
49.1	49.1	49.1	0.046	1	1
49.1	49.1	49.1	0.0629	1	1
50.5	50.5	50.5	0.04	1	1
44.6	44.6	44.6	0.5379	5	5
56.5	56.5	56.5	0.5035	5	5
50.5	50.5	50.5	0.1663	5	5
45	45	45	0.4166	5	5
51.7	51.7	51.7	0.1758	5	5
53	53	53	0	0	1
50	50	50	0	0	1
47.5	47.5	47.5	0	0	1
53.3	53.3	53.3	0.0699	1	1
37.6	37.6	37.6	0.0598	1	1
54	54	54	0.2298	1	1
52.9	52.9	52.9	0.0902	1	1
53.4	53.4	53.4	0.7402	5	5
57	57	57	0.1952	1	1
59.8	59.8	59.8	0.16	1	1
44.2	44.2	44.2	0.8536	10	10
50.6	50.6	50.6	0.1119	5	5

50.9	50.9	50.9	0.0764	1	1
53.3	53.3	53.3	0.1837	1	1
44.9	44.9	44.9	0.3941	5	5
47.2	47.2	47.2	0.484	5	5
51.4	51.4	51.4	0.0975	5	5
42.6	42.6	42.6	0.420717	10	10
50.4	50.4	50.4	0.0736	1	1
46.8	46.8	46.8	0.6888	5	5
52	52	52	0.0504	1	1
51.2	51.2	51.2	0.0598	1	1
52.4	52.4	52.4	0.0299	1	1
52.8	52.8	52.8	0.1006	1	1
31.1	31.1	31.1	0.0665	1	1
52.6	52.6	52.6	0.0557	1	1
53.3	53.3	53.3	0.0475	1	1
52.3	52.3	52.3	0.0846	1	1
50.8	50.8	50.8	0.0423	1	1
51.3	51.3	51.3	0.0495	1	1
52.8	52.8	52.8	0.1213	1	1
52.3	52.3	52.3	0.0933	1	1
49.1	49.1	49.1	0.0495	1	1
51.2	51.2	51.2	0.064	1	1
53	53	53	0.0651	1	1
52.3	52.3	52.3	0.0905	5	5
47.5	47.5	47.5	0.064	1	1
49.7	49.7	49.7	0.0504	1	1
44.8	44.8	44.8	0.0736	1	1
48.8	48.8	48.8	0.1056	1	1
49.2	49.2	49.2	0.0625	1	1
50	50	50	0.0791	1	1
48.1	48.1	48.1	0.046	1	1
45.4	45.4	45.4	0.0696	1	1
47.8	47.8	47.8	0.0217	1	1
49.2	49.2	49.2	0.1253	1	1
49.7	49.7	49.7	0.0566	1	1
100	100	100	0.0363	1	1
47.3	47.3	47.3	0.0859	1	1
45.9	45.9	45.9	0.0394	1	1
50.6	50.6	50.6	0.0504	1	1
47.5	47.5	47.5	0.0672	1	1
47.7	47.7	47.7	0.0283	1	1
43.8	43.8	43.8	0.0679	1	1
48.2	48.2	48.2	0.0406	1	1
46.4	46.4	46.4	0.1033	1	1
47.4	47.4	47.4	0.0423	1	1
47.8	47.8	47.8	0.0557	1	1
47.3	47.3	47.3	0.077	1	1
47.2	47.2	47.2	0.0336	1	1
45.4	45.4	45.4	0.0672	1	1
47.4	47.4	47.4	0.0439	1	1
45.8	45.8	45.8	0.0672	1	1
47.4	47.4	47.4	0.0513	1	1

47	47	47	0.046	1	1
46.2	46.2	46.2	0.0629	1	1
46.5	46.5	46.5	0.04	1	1
39.6	39.6	39.6	0.5379	5	5
51.7	51.7	51.7	0.5035	5	5
45.6	45.6	45.6	0.1663	5	5
40.8	40.8	40.8	0.4166	5	5
45.7	45.7	45.7	0.1758	5	5
54.2	54.2	54.2	0	0	1
49.5	49.5	49.5	0	0	1
49	49	49	0	0	1
52.2	52.2	52.2	0.0699	1	1
35.5	35.5	35.5	0.0598	1	1
50.9	50.9	50.9	0.2298	1	1
49.8	49.8	49.8	0.0902	1	1
50.2	50.2	50.2	0.7402	5	5
53.5	53.5	53.5	0.1952	1	1
53.9	53.9	53.9	0.16	1	1
45.3	45.3	45.3	0.8536	10	10
49.5	49.5	49.5	0.1119	5	5
49.2	49.2	49.2	0.0764	1	1
54.4	54.4	54.4	0.1837	1	1
45.3	45.3	45.3	0.3941	5	5
49.1	49.1	49.1	0.484	5	5
53.2	53.2	53.2	0.0975	5	5
41.8	41.8	41.8	0.420717	10	10
49	49	49	0.0736	1	1
45.4	45.4	45.4	0.6888	5	5
51.7	51.7	51.7	0.0504	1	1
50.2	50.2	50.2	0.0598	1	1
51	51	51	0.0299	1	1
51.4	51.4	51.4	0.1006	1	1
28.9	28.9	28.9	0.0665	1	1
52	52	52	0.0557	1	1
51.8	51.8	51.8	0.0475	1	1
50.9	50.9	50.9	0.0846	1	1
50.5	50.5	50.5	0.0423	1	1
50.6	50.6	50.6	0.0495	1	1
52	52	52	0.1213	1	1
51.7	51.7	51.7	0.0933	1	1
48.7	48.7	48.7	0.0495	1	1
50.5	50.5	50.5	0.064	1	1
52.3	52.3	52.3	0.0651	1	1
51.7	51.7	51.7	0.0905	5	5
47	47	47	0.064	1	1
49.1	49.1	49.1	0.0504	1	1
44.8	44.8	44.8	0.0736	1	1
48.9	48.9	48.9	0.1056	1	1
48.8	48.8	48.8	0.0625	1	1
50.1	50.1	50.1	0.0791	1	1
48.1	48.1	48.1	0.046	1	1
44.7	44.7	44.7	0.0696	1	1

	47.2		47.2	47.2	0.0217	1	1
	48.3		48.3	48.3	0.1253	1	1
	48.7		48.7	48.7	0.0566	1	1
	98		98	98	0.0363	1	1
	47.3		47.3	47.3	0.0859	1	1
	45.1		45.1	45.1	0.0394	1	1
	49.6		49.6	49.6	0.0504	1	1
	48.2		48.2	48.2	0.0672	1	1
	46.6		46.6	46.6	0.0283	1	1
	43.6		43.6	43.6	0.0679	1	1
	46.7		46.7	46.7	0.0406	1	1
	45.4		45.4	45.4	0.1033	1	1
	46		46	46	0.0423	1	1
	47.2		47.2	47.2	0.0557	1	1
	46.4		46.4	46.4	0.077	1	1
	45.8		45.8	45.8	0.0336	1	1
	44.7		44.7	44.7	0.0672	1	1
	46.4		46.4	46.4	0.0439	1	1
	45.5		45.5	45.5	0.0672	1	1
	45.9		45.9	45.9	0.0513	1	1
	45.8		45.8	45.8	0.046	1	1
	45.9		45.9	45.9	0.0629	1	1
	45.2		45.2	45.2	0.04	1	1
	41.8		41.8	41.8	0.5379	5	5
	55.2		55.2	55.2	0.5035	5	5
	47.7		47.7	47.7	0.1663	5	5
	43.9		43.9	43.9	0.4166	5	5
	46.2		46.2	46.2	0.1758	5	5
	53.6		53.6	53.6	0	0	1
	50.2		50.2	50.2	0	0	1
	49.6		49.6	49.6	0	0	1
<	1	<	1	1	0.0699	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.2298	1	1
<	1	<	1	1	0.0902	1	1
<	5	<	5	5	0.7402	5	5
<	1	<	1	1	0.1952	1	1
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<	10	<	10	10	0.8536	10	10
<	5	<	5	5	0.1119	5	5
<	1	<	1	1	0.0764	1	1
<	1	<	1	1	0.1837	1	1
<	5	<	5	5	0.3941	5	5
<	5	<	5	5	0.484	5	5
<	5	<	5	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	1	0.0736	1	1
<	5	<	5	5	0.6888	5	5
<	1	<	1	1	0.0504	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.0299	1	1
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<	1 <	1 <	1	0.0665	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.0475	1	1
<	1 <	1 <	1	0.0846	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0495	1	1
<	1 <	1 <	1	0.1213	1	1
<	1 <	1 <	1	0.0933	1	1
<	1 <	1 <	1	0.0495	1	1
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0651	1	1
<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0504	1	1
<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
<	1 <	1 <	1	0.1253	1	1
<	1 <	1 <	1	0.0566	1	1
<	1 <	1 <	1	0.0363	1	1
<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
<	1 <	1 <	1	0.0406	1	1
<	1 <	1 <	1	0.1033	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.077	1	1
<	1 <	1 <	1	0.0336	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0439	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0513	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	53.2	53.2	53.2	0	0	1

50.8	50.8	50.8	0	0	1
47.3	47.3	47.3	0	0	1
52.7	52.7	52.7	0.0699	1	1
41.8	41.8	41.8	0.0598	1	1
53.6	53.6	53.6	0.2298	1	1
55.5	55.5	55.5	0.0902	1	1
57.4	57.4	57.4	0.7402	5	5
58.1	58.1	58.1	0.1952	1	1
63	63	63	0.16	1	1
58.6	58.6	58.6	0.8536	10	10
51.3	51.3	51.3	0.1119	5	5
52.1	52.1	52.1	0.0764	1	1
53.3	53.3	53.3	0.1837	1	1
55.4	55.4	55.4	0.3941	5	5
51.1	51.1	51.1	0.484	5	5
58.4	58.4	58.4	0.0975	5	5
54.8	54.8	54.8	0.4207	10	10
51.1	51.1	51.1	0.0736	1	1
48.2	48.2	48.2	0.6888	5	5
52.9	52.9	52.9	0.0504	1	1
51.6	51.6	51.6	0.0598	1	1
51.9	51.9	51.9	0.0299	1	1
52.3	52.3	52.3	0.1006	1	1
57.3	57.3	57.3	0.0665	1	1
52.2	52.2	52.2	0.0557	1	1
51.6	51.6	51.6	0.0475	1	1
52.8	52.8	52.8	0.0846	1	1
52	52	52	0.0423	1	1
51.2	51.2	51.2	0.0495	1	1
54	54	54	0.1213	1	1
51.7	51.7	51.7	0.0933	1	1
50.2	50.2	50.2	0.0495	1	1
50.9	50.9	50.9	0.064	1	1
52.8	52.8	52.8	0.0651	1	1
51.7	51.7	51.7	0.0905	5	5
53.5	53.5	53.5	0.064	1	1
54.7	54.7	54.7	0.0504	1	1
46	46	46	0.0736	1	1
50	50	50	0.1056	1	1
50.2	50.2	50.2	0.0625	1	1
52	52	52	0.0791	1	1
49.9	49.9	49.9	0.046	1	1
48.6	48.6	48.6	0.0696	1	1
48.8	48.8	48.8	0.0217	1	1
49.7	49.7	49.7	0.1253	1	1
50.8	50.8	50.8	0.0566	1	1
103	103	103	0.0363	1	1
50.4	50.4	50.4	0.0859	1	1
52.8	52.8	52.8	0.0394	1	1
51.8	51.8	51.8	0.0504	1	1
50.6	50.6	50.6	0.0672	1	1
49.3	49.3	49.3	0.0283	1	1

48.9	48.9	48.9	0.0679	1	1
49.2	49.2	49.2	0.0406	1	1
47.9	47.9	47.9	0.1033	1	1
49.6	49.6	49.6	0.0423	1	1
49.8	49.8	49.8	0.0557	1	1
48.5	48.5	48.5	0.077	1	1
49.4	49.4	49.4	0.0336	1	1
47	47	47	0.0672	1	1
49.6	49.6	49.6	0.0439	1	1
48.1	48.1	48.1	0.0672	1	1
50	50	50	0.0513	1	1
48.7	48.7	48.7	0.046	1	1
48.2	48.2	48.2	0.0629	1	1
50.7	50.7	50.7	0.04	1	1
42.8	42.8	42.8	0.5379	5	5
30.7	30.7	30.7	0.5035	5	5
43.7	43.7	43.7	0.1663	5	5
32.8	32.8	32.8	0.4166	5	5
47.6	47.6	47.6	0.1758	5	5
52.1	52.1	52.1	0.0699	1	1
41.1	41.1	41.1	0.0598	1	1
52	52	52	0.2298	1	1
52.3	52.3	52.3	0.0902	1	1
57	57	57	0.7402	5	5
55.9	55.9	55.9	0.1952	1	1
55.4	55.4	55.4	0.16	1	1
45.2	45.2	45.2	0.8536	10	10
50.7	50.7	50.7	0.1119	5	5
50.4	50.4	50.4	0.0764	1	1
54.6	54.6	54.6	0.1837	1	1
46.8	46.8	46.8	0.3941	5	5
49.5	49.5	49.5	0.484	5	5
54	54	54	0.0975	5	5
46	46	46	0.4207	10	10
50.6	50.6	50.6	0.0736	1	1
46.8	46.8	46.8	0.6888	5	5
52.4	52.4	52.4	0.0504	1	1
50.4	50.4	50.4	0.0598	1	1
51.4	51.4	51.4	0.0299	1	1
51.3	51.3	51.3	0.1006	1	1
38.6	38.6	38.6	0.0665	1	1
52.2	52.2	52.2	0.0557	1	1
51.7	51.7	51.7	0.0475	1	1
51.4	51.4	51.4	0.0846	1	1
50.3	50.3	50.3	0.0423	1	1
50.9	50.9	50.9	0.0495	1	1
52.7	52.7	52.7	0.1213	1	1
51.2	51.2	51.2	0.0933	1	1
49.5	49.5	49.5	0.0495	1	1
51	51	51	0.064	1	1
51.9	51.9	51.9	0.0651	1	1
51.2	51.2	51.2	0.0905	5	5

	49.2		49.2		49.2	0.064	1	1
	51.1		51.1		51.1	0.0504	1	1
	45.6		45.6		45.6	0.0736	1	1
	49.5		49.5		49.5	0.1056	1	1
	49.6		49.6		49.6	0.0625	1	1
	49.9		49.9		49.9	0.0791	1	1
	48.5		48.5		48.5	0.046	1	1
	47.9		47.9		47.9	0.0696	1	1
	47.4		47.4		47.4	0.0217	1	1
	48.7		48.7		48.7	0.1253	1	1
	49.6		49.6		49.6	0.0566	1	1
	99.3		99.3		99.3	0.0363	1	1
	47.5		47.5		47.5	0.0859	1	1
	51.2		51.2		51.2	0.0394	1	1
	49.6		49.6		49.6	0.0504	1	1
	49.1		49.1		49.1	0.0672	1	1
	48		48		48	0.0283	1	1
	46.2		46.2		46.2	0.0679	1	1
	48.3		48.3		48.3	0.0406	1	1
	46.7		46.7		46.7	0.1033	1	1
	47.8		47.8		47.8	0.0423	1	1
	48.7		48.7		48.7	0.0557	1	1
	47.7		47.7		47.7	0.077	1	1
	47.9		47.9		47.9	0.0336	1	1
	45.1		45.1		45.1	0.0672	1	1
	48.3		48.3		48.3	0.0439	1	1
	46.2		46.2		46.2	0.0672	1	1
	48.1		48.1		48.1	0.0513	1	1
	46.6		46.6		46.6	0.046	1	1
	47.4		47.4		47.4	0.0629	1	1
	47.8		47.8		47.8	0.04	1	1
	47.2		47.2		47.2	0.5379	5	5
	33		33		33	0.5035	5	5
	44.8		44.8		44.8	0.1663	5	5
	35.9		35.9		35.9	0.4166	5	5
	46.4		46.4		46.4	0.1758	5	5
	0.112		0.112		0.112	0.000829	0.01	0.01
	0.108		0.108		0.108	0.000829	0.01	0.01
	0.129		0.129		0.129	0.000829	0.01	0.01
	0.125		0.125		0.125	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.112		0.112		0.112	0	0.01	0.01
	0.111		0.111		0.111	0	0.01	0.01
	4.03		4.03		4.03	0.56	1	1
	4.26		4.26		4.26	0.56	1	1
	4.14		4.14		4.14	0.56	1	1
	3.92		3.92		3.92	0.56	1	1
<	1	<	1	<	1	0.56	1	1
	4.76		4.76		4.76	0.56	1	1
	4.54		4.54		4.54	0.56	1	1
	360		360		360	5	0	5
	366		366		366	5	0	5

	0	<	5	<	5	5		5
	1010		1010		1010	5	0	5
	1020		1020		1020	5	0	5
	7.69		7.69		7.69	0	0	0
	7.66		7.66		7.66	0	0	0
	6.97		6.97		6.97	0	0	0
	7		7		7	0	0	0
	396		396		396	0	0	0
	399		399		399	0	0	0
	0		0		0			
	1420		1420		1420	0	0	0
	1420		1420		1420	0	0	0
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	152		152		152	4	4	4
	152		152		152	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	156		156		156	4	4	4
	156		156		156	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	2.38	4	4
<	1	<	1	<	1	1	1	1
	240		240		240	1	1	1
	8		8		8	4	4	4
	248		248		248	2.38	4	4
<	1	<	1	<	1	1	1	1
	240		240		240	1	1	1
	6		6		6	4	4	4
	246		246		246	2.38	4	4
	0.112		0.112		0.112	0.00402	0.01	0.01
	0.108		0.108		0.108	0.00402	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
	0.112		0.112		0.112	0.00402	0.01	0.01
	0.111		0.111		0.111	0.00402	0.01	0.01
	0.115		0.115		0.115	0.000829	0.01	0.01
	0.119		0.119		0.119	0.000829	0.01	0.01
	0.105		0.105		0.105	0.000829	0.01	0.01
	0.0959		0.0959		0.0959	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.111		0.111		0.111	0	0.01	0.01
	0.113		0.113		0.113	0	0.01	0.01
	0.122		0.122		0.122	0.0021	0.002	0.002
	0.461		0.461		0.461	0.0043	0.01	0.01
	1		1		1	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.247		0.247		0.247	0.0014	0.001	0.001
	0.24		0.24		0.24	0.0022	0.005	0.005
	0.104		0.104		0.104	0.0009	0.005	0.005
	0.123		0.123		0.123	0.0014	0.005	0.005

0.245	0.245	0.245	0.0019	0.005	0.005
0.507	0.507	0.507	0.0074	0.005	0.005
0.243	0.243	0.243	0.0166	0.05	0.05
0.473	0.473	0.473	0.0131	0.01	0.01
0.305	0.305	0.305	0.0124	0.025	0.025
0.515	0.515	0.515	0.0189	0.05	0.05
0.257	0.257	0.257	0.0015	0.005	0.005
0.228	0.228	0.228	0.0071	0.005	0.005
0.125	0.125	0.125	0.0021	0.002	0.002
0.481	0.481	0.481	0.0043	0.01	0.01
1.02	1.02	1.02	0.0017	0.01	0.01
0.024	0.024	0.024	0.0022	0.0025	0.0025
0.248	0.248	0.248	0.0014	0.001	0.001
0.247	0.247	0.247	0.0022	0.005	0.005
0.105	0.105	0.105	0.0009	0.005	0.005
0.124	0.124	0.124	0.0014	0.005	0.005
0.251	0.251	0.251	0.0019	0.005	0.005
0.499	0.499	0.499	0.0074	0.005	0.005
0.244	0.244	0.244	0.0166	0.05	0.05
0.472	0.472	0.472	0.0131	0.01	0.01
0.306	0.306	0.306	0.0124	0.025	0.025
0.516	0.516	0.516	0.0189	0.05	0.05
0.262	0.262	0.262	0.0015	0.005	0.005
0.235	0.235	0.235	0.0071	0.005	0.005
0.118	0.118	0.118	0.0021	0.002	0.002
0.464	0.464	0.464	0.0043	0.01	0.01
1.1	1.1	1.1	0.0017	0.01	0.01
0.024	0.024	0.024	0.0022	0.0025	0.0025
0.235	0.235	0.235	0.0014	0.001	0.001
0.231	0.231	0.231	0.0022	0.005	0.005
0.106	0.106	0.106	0.0009	0.005	0.005
0.121	0.121	0.121	0.0014	0.005	0.005
0.237	0.237	0.237	0.0019	0.005	0.005
0.51	0.51	0.51	0.0074	0.005	0.005
0.225	0.225	0.225	0.0166	0.05	0.05
0.431	0.431	0.431	0.0131	0.01	0.01
0.304	0.304	0.304	0.0124	0.025	0.025
0.509	0.509	0.509	0.0189	0.05	0.05
0.257	0.257	0.257	0.0015	0.005	0.005
0.229	0.229	0.229	0.0071	0.005	0.005
0.119	0.119	0.119	0.0021	0.002	0.002
0.496	0.496	0.496	0.0043	0.01	0.01
1.11	1.11	1.11	0.0017	0.01	0.01
0.024	0.024	0.024	0.0022	0.0025	0.0025
0.237	0.237	0.237	0.0014	0.001	0.001
0.232	0.232	0.232	0.0022	0.005	0.005
0.104	0.104	0.104	0.0009	0.005	0.005
0.121	0.121	0.121	0.0014	0.005	0.005
0.238	0.238	0.238	0.0019	0.005	0.005
0.491	0.491	0.491	0.0074	0.005	0.005
0.224	0.224	0.224	0.0166	0.05	0.05
0.413	0.413	0.413	0.0131	0.01	0.01

	0.307		0.307		0.307	0.0124	0.025	0.025
	0.487		0.487		0.487	0.0189	0.05	0.05
	0.258		0.258		0.258	0.0015	0.005	0.005
	0.228		0.228		0.228	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0071	0.005	0.005
	0.125		0.125		0.125	0.0021	0.002	0.002
	0.968		0.968		0.968	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.992		0.992		0.992	0.0022	0.0025	0.0025
	1.01		1.01		1.01	0.0014	0.001	0.001
	1		1		1	0.0022	0.005	0.005
	1.01		1.01		1.01	0.0009	0.005	0.005
	0.985		0.985		0.985	0.0014	0.005	0.005
	0.998		0.998		0.998	0.0019	0.005	0.005
	1.01		1.01		1.01	0.0074	0.005	0.005
	0.99		0.99		0.99	0.0166	0.05	0.05
	0.987		0.987		0.987	0.0131	0.01	0.01
	1.02		1.02		1.02	0.0124	0.025	0.025
	1.03		1.03		1.03	0.0189	0.05	0.05
	0.973		0.973		0.973	0.0015	0.005	0.005
	1.01		1.01		1.01	0	0.005	0.005
	0.12		0.12		0.12	0.0021	0.002	0.002
	0.987		0.987		0.987	0.0043	0.01	0.01
	0.973		0.973		0.973	0.0017	0.01	0.01
	0.953		0.953		0.953	0.0022	0.0025	0.0025
	0.986		0.986		0.986	0.0014	0.001	0.001
	0.97		0.97		0.97	0.0022	0.005	0.005
	0.979		0.979		0.979	0.0009	0.005	0.005
	0.934		0.934		0.934	0.0014	0.005	0.005
	0.969		0.969		0.969	0.0019	0.005	0.005
	0.993		0.993		0.993	0.0074	0.005	0.005
	0.975		0.975		0.975	0.0166	0.05	0.05
	0.956		0.956		0.956	0.0131	0.01	0.01
	0.993		0.993		0.993	0.0124	0.025	0.025
	0.983		0.983		0.983	0.0189	0.05	0.05
	0.93		0.93		0.93	0.0015	0.005	0.005
	0.972		0.972		0.972	0.0071	0.005	0.005

	12		12		12	0.0257	0	2
	2.42		2.42		2.42	0.0168	0	0.2
	12.5		12.5		12.5	0.0598	0	1
	12.1		12.1		12.1	0.0257	0	2
	2.42		2.42		2.42	0.0168	0	0.2
	12.5		12.5		12.5	0.0598	0	1
	80.5		80.5		80.5	0.0257	0	2
	12		12		12	0.0168	0	0.2
	93.4		93.4		93.4	0.0598	0	1
	80.4		80.4		80.4	0.0257	0	2
	12		12		12	0.0168	0	0.2
	93.3		93.3		93.3	0.0598	0	1
	0	<	2	<	2	0.0257	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0598	0	1
	11.9		11.9		11.9	0.0257	0	2
	2.4		2.4		2.4	0.0168	0	0.2
	11.8		11.8		11.8	0.0598	0	1
	12.1		12.1		12.1	0.0257	0	2
	2.42		2.42		2.42	0.0168	0	0.2
	12		12		12	0.0598	0	1
	0.115		0.115		0.115	0.00402	0.01	0.01
	0.119		0.119		0.119	0.00402	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
	0.111		0.111		0.111	0.00402	0.01	0.01
	0.113		0.113		0.113	0.00402	0.01	0.01
	2.43		2.43		2.43	0.0168	0	0.1
	2.44		2.44		2.44	0.0168	0	0.1
	2.44		2.44		2.44	0.0168	0	0.1
	2.45		2.45		2.45	0.0168	0	0.1
	11.8		11.8		11.8	0.0257	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	12.2		12.2		12.2	0.0598	0	1
	11.8		11.8		11.8	0.0257	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	12.2		12.2		12.2	0.0598	0	1
	12.2		12.2		12.2	0.0168	0	0.1
	12.3		12.3		12.3	0.0168	0	0.1
	17.8		17.8		17.8	0.0168	0	0.1
	17.8		17.8		17.8	0.0168	0	0.1
	124		124		124	0.0257	0	2
	11.9		11.9		11.9	0.0168	0	0.2
	113		113		113	0.0598	0	1
	124		124		124	0.0257	0	2
	12		12		12	0.0168	0	0.2
	113		113		113	0.0598	0	1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.0257	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0598	0	1
	2.37		2.37		2.37	0.0168	0	0.1

	2.32		2.32	2.32	0.0168	0	0.1
	11.7		11.7	11.7	0.0257	0	2
	2.35		2.35	2.35	0.0168	0	0.2
	11.7		11.7	11.7	0.0598	0	1
	2.38		2.38	2.38	0.0168	0	0.1
	2.32		2.32	2.32	0.0168	0	0.1
	11.8		11.8	11.8	0.0257	0	2
	2.34		2.34	2.34	0.0168	0	0.2
	11.7		11.7	11.7	0.0598	0	1
<	1	<	1	1	1	1	1
<	1	<	1	1	1	1	1
	60		60	60	4	4	4
	60		60	60	2.38	4	4
<	1	<	1	1	1	1	1
<	1	<	1	1	1	1	1
	62		62	62	4	4	4
	62		62	62	2.38	4	4
<	1	<	1	1	1	1	1
<	1	<	1	1	1	1	1
<	4	<	4	4	4	4	4
<	4	<	4	4	2.38	4	4
<	1	<	1	1	1	1	1
	244		244	244	1	1	1
	6		6	6	4	4	4
	250		250	250	2.38	4	4
<	1	<	1	1	1	1	1
	244		244	244	1	1	1
	6		6	6	4	4	4
	250		250	250	2.38	4	4
	1500		1500	1500	0	0	0
	1520		1520	1520	0	0	0
	0		0	0			
	1420		1420	1420	0	0	0
	1410		1410	1410	0	0	0
	7.39		7.39	7.39	0	0	0
	7.39		7.39	7.39	0	0	0
	6.97		6.97	6.97	0	0	0
	6.98		6.98	6.98	0	0	0
	4.76		4.76	4.76	0.56	1	1
	4.93		4.93	4.93	0.56	1	1
	4.42		4.42	4.42	0.56	1	1
	4.59		4.59	4.59	0.56	1	1
<	1	<	1	1	0.56	1	1
	4.54		4.54	4.54	0.56	1	1
	4.7		4.7	4.7	0.56	1	1
	48.2		48.2	48.2	0.0699	1	1
	32.2		32.2	32.2	0.0598	1	1
	44.9		44.9	44.9	0.2298	1	1
	44.9		44.9	44.9	0.0902	1	1
	44		44	44	0.7402	5	5
	46.6		46.6	46.6	0.1952	1	1
	46.5		46.5	46.5	0.16	1	1

46.1	46.1	46.1	0.8536	10	10
45.9	45.9	45.9	0.1119	5	5
45.1	45.1	45.1	0.0764	1	1
51.4	51.4	51.4	0.1837	1	1
43.9	43.9	43.9	0.3941	5	5
47.3	47.3	47.3	0.484	5	5
49.7	49.7	49.7	0.0975	5	5
34.3	34.3	34.3	0.42007	10	10
45.8	45.8	45.8	0.0736	1	1
44.5	44.5	44.5	0.6888	5	5
47.5	47.5	47.5	0.0504	1	1
46.7	46.7	46.7	0.0598	1	1
46.9	46.9	46.9	0.0299	1	1
47.1	47.1	47.1	0.1006	1	1
26	26	26	0.0665	1	1
47.9	47.9	47.9	0.0557	1	1
47.9	47.9	47.9	0.0475	1	1
47.4	47.4	47.4	0.0846	1	1
46.5	46.5	46.5	0.0423	1	1
46.7	46.7	46.7	0.0495	1	1
47.4	47.4	47.4	0.1213	1	1
47.7	47.7	47.7	0.0933	1	1
45.4	45.4	45.4	0.0495	1	1
47.5	47.5	47.5	0.064	1	1
47.9	47.9	47.9	0.0651	1	1
47.7	47.7	47.7	0.0905	5	5
43	43	43	0.064	1	1
44.6	44.6	44.6	0.0504	1	1
42	42	42	0.0736	1	1
48.3	48.3	48.3	0.1056	1	1
48	48	48	0.0625	1	1
47.4	47.4	47.4	0.0791	1	1
47.3	47.3	47.3	0.046	1	1
50.8	50.8	50.8	0.0696	1	1
46.1	46.1	46.1	0.0217	1	1
47	47	47	0.1253	1	1
47.6	47.6	47.6	0.0566	1	1
96	96	96	0.0363	1	1
44.8	44.8	44.8	0.0859	1	1
49.6	49.6	49.6	0.0394	1	1
47.9	47.9	47.9	0.05046	1	1
46.3	46.3	46.3	0.0672	1	1
48.3	48.3	48.3	0.0283	1	1
43.8	43.8	43.8	0.0679	1	1
47.9	47.9	47.9	0.0406	1	1
46.2	46.2	46.2	0.1033	1	1
47.9	47.9	47.9	0.0423	1	1
48.3	48.3	48.3	0.0557	1	1
47.2	47.2	47.2	0.077	1	1
47.7	47.7	47.7	0.0336	1	1
45	45	45	0.0672	1	1
46.8	46.8	46.8	0.0439	1	1

45.6	45.6	45.6	0.0672	1	1
46.7	46.7	46.7	0.0513	1	1
47.2	47.2	47.2	0.046	1	1
44.8	44.8	44.8	0.0629	1	1
46.3	46.3	46.3	0.04	1	1
31.6	31.6	31.6	0.5379	5	5
14.1	14.1	14.1	0.5035	5	5
26.2	26.2	26.2	0.1663	5	5
17.7	17.7	17.7	0.4166	5	5
36.6	36.6	36.6	0.1758	5	5
49.9	49.9	49.9	0	0	1
48.8	48.8	48.8	0	0	1
50.9	50.9	50.9	0	0	1
51.1	51.1	51.1	0.0699	1	1
34.5	34.5	34.5	0.0598	1	1
49.6	49.6	49.6	0.2298	1	1
50.6	50.6	50.6	0.0902	1	1
50.3	50.3	50.3	0.7402	5	5
52.9	52.9	52.9	0.1952	1	1
53.3	53.3	53.3	0.16	1	1
50.1	50.1	50.1	0.8536	10	10
48.6	48.6	48.6	0.1119	5	5
47	47	47	0.0764	1	1
55.6	55.6	55.6	0.1837	1	1
47.4	47.4	47.4	0.3941	5	5
49	49	49	0.484	5	5
54.7	54.7	54.7	0.0975	5	5
36	36	36	0.42007	10	10
48.4	48.4	48.4	0.0736	1	1
46.9	46.9	46.9	0.6888	5	5
50.8	50.8	50.8	0.0504	1	1
49.2	49.2	49.2	0.0598	1	1
50	50	50	0.0299	1	1
50.8	50.8	50.8	0.1006	1	1
27.5	27.5	27.5	0.0665	1	1
50.7	50.7	50.7	0.0557	1	1
50.8	50.8	50.8	0.0475	1	1
49.9	49.9	49.9	0.0846	1	1
49.3	49.3	49.3	0.0423	1	1
49.6	49.6	49.6	0.0495	1	1
50.5	50.5	50.5	0.1213	1	1
50.7	50.7	50.7	0.0933	1	1
47.8	47.8	47.8	0.0495	1	1
50.3	50.3	50.3	0.064	1	1
50.9	50.9	50.9	0.0651	1	1
50.7	50.7	50.7	0.0905	5	5
45.3	45.3	45.3	0.064	1	1
47.3	47.3	47.3	0.0504	1	1
44.6	44.6	44.6	0.0736	1	1
50.7	50.7	50.7	0.1056	1	1
50.9	50.9	50.9	0.0625	1	1
50.7	50.7	50.7	0.0791	1	1

50.1	50.1	50.1	0.046	1	1
53.3	53.3	53.3	0.0696	1	1
48.2	48.2	48.2	0.0217	1	1
50.1	50.1	50.1	0.1253	1	1
50	50	50	0.0566	1	1
101	101	101	0.0363	1	1
47.9	47.9	47.9	0.0859	1	1
52.4	52.4	52.4	0.0394	1	1
50.9	50.9	50.9	0.05046	1	1
49.1	49.1	49.1	0.0672	1	1
50.2	50.2	50.2	0.0283	1	1
46	46	46	0.0679	1	1
50.4	50.4	50.4	0.0406	1	1
48.7	48.7	48.7	0.1033	1	1
49.6	49.6	49.6	0.0423	1	1
50.5	50.5	50.5	0.0557	1	1
48.2	48.2	48.2	0.077	1	1
49.9	49.9	49.9	0.0336	1	1
47.1	47.1	47.1	0.0672	1	1
49.1	49.1	49.1	0.0439	1	1
47.8	47.8	47.8	0.0672	1	1
48.1	48.1	48.1	0.0513	1	1
49.2	49.2	49.2	0.046	1	1
47.2	47.2	47.2	0.0629	1	1
46.3	46.3	46.3	0.04	1	1
34.9	34.9	34.9	0.5379	5	5
36.6	36.6	36.6	0.5035	5	5
31.7	31.7	31.7	0.1663	5	5
29.7	29.7	29.7	0.4166	5	5
36	36	36	0.1758	5	5
50.2	50.2	50.2	0	0	1
48.6	48.6	48.6	0	0	1
50.8	50.8	50.8	0	0	1
50.5	50.5	50.5	0.0699	1	1
37	37	37	0.0598	1	1
51	51	51	0.2298	1	1
51.4	51.4	51.4	0.0902	1	1
53.4	53.4	53.4	0.7402	5	5
55.9	55.9	55.9	0.1952	1	1
60.5	60.5	60.5	0.16	1	1
37.7	37.7	37.7	0.8536	10	10
49.3	49.3	49.3	0.1119	5	5
49.3	49.3	49.3	0.0764	1	1
52.4	52.4	52.4	0.1837	1	1
44.3	44.3	44.3	0.3941	5	5
46.2	46.2	46.2	0.484	5	5
50.5	50.5	50.5	0.0975	5	5
41.2	41.2	41.2	0.420717	10	10
49.8	49.8	49.8	0.0736	1	1
44.2	44.2	44.2	0.6888	5	5
50.5	50.5	50.5	0.0504	1	1
50.4	50.4	50.4	0.0598	1	1

49.9	49.9	49.9	0.0299	1	1
50	50	50	0.1006	1	1
51.5	51.5	51.5	0.0665	1	1
50	50	50	0.0557	1	1
50.3	50.3	50.3	0.0475	1	1
51.4	51.4	51.4	0.0846	1	1
50.2	50.2	50.2	0.0423	1	1
49.4	49.4	49.4	0.0495	1	1
52.1	52.1	52.1	0.1213	1	1
50.4	50.4	50.4	0.0933	1	1
47.8	47.8	47.8	0.0495	1	1
49.8	49.8	49.8	0.064	1	1
50.8	50.8	50.8	0.0651	1	1
50.4	50.4	50.4	0.0905	5	5
49.1	49.1	49.1	0.064	1	1
51	51	51	0.0504	1	1
44	44	44	0.0736	1	1
49.8	49.8	49.8	0.1056	1	1
50.2	50.2	50.2	0.0625	1	1
49.8	49.8	49.8	0.0791	1	1
49.1	49.1	49.1	0.046	1	1
48.5	48.5	48.5	0.0696	1	1
48.7	48.7	48.7	0.0217	1	1
50	50	50	0.1253	1	1
50.6	50.6	50.6	0.0566	1	1
102	102	102	0.0363	1	1
45.6	45.6	45.6	0.0859	1	1
49.5	49.5	49.5	0.0394	1	1
51	51	51	0.0504	1	1
46.8	46.8	46.8	0.0672	1	1
51.5	51.5	51.5	0.0283	1	1
47.1	47.1	47.1	0.0679	1	1
51.7	51.7	51.7	0.0406	1	1
49.4	49.4	49.4	0.1033	1	1
51.7	51.7	51.7	0.0423	1	1
51.7	51.7	51.7	0.0557	1	1
50.4	50.4	50.4	0.077	1	1
50.9	50.9	50.9	0.0336	1	1
48	48	48	0.0672	1	1
51.4	51.4	51.4	0.0439	1	1
48.8	48.8	48.8	0.0672	1	1
51	51	51	0.0513	1	1
50.6	50.6	50.6	0.046	1	1
47.8	47.8	47.8	0.0629	1	1
50.9	50.9	50.9	0.04	1	1
31.6	31.6	31.6	0.5379	5	5
30.8	30.8	30.8	0.5035	5	5
28.6	28.6	28.6	0.1663	5	5
22.9	22.9	22.9	0.4166	5	5
40	40	40	0.1758	5	5
53.3	53.3	53.3	0	0	1
51.5	51.5	51.5	0	0	1

50	50	50	0	0	1
49.6	49.6	49.6	0.0699	1	1
33.5	33.5	33.5	0.0598	1	1
49.8	49.8	49.8	0.2298	1	1
50.2	50.2	50.2	0.0902	1	1
51.4	51.4	51.4	0.7402	5	5
54.2	54.2	54.2	0.1952	1	1
56.9	56.9	56.9	0.16	1	1
40	40	40	0.8536	10	10
46.7	46.7	46.7	0.1119	5	5
46.4	46.4	46.4	0.0764	1	1
51.6	51.6	51.6	0.1837	1	1
44.5	44.5	44.5	0.3941	5	5
46.8	46.8	46.8	0.484	5	5
51	51	51	0.0975	5	5
42.4	42.4	42.4	0.420717	10	10
46.7	46.7	46.7	0.0736	1	1
43	43	43	0.6888	5	5
49.1	49.1	49.1	0.0504	1	1
48.2	48.2	48.2	0.0598	1	1
48.9	48.9	48.9	0.0299	1	1
49.1	49.1	49.1	0.1006	1	1
47.2	47.2	47.2	0.0665	1	1
48.9	48.9	48.9	0.0557	1	1
49.4	49.4	49.4	0.0475	1	1
48.6	48.6	48.6	0.0846	1	1
48.3	48.3	48.3	0.0423	1	1
48.4	48.4	48.4	0.0495	1	1
49.7	49.7	49.7	0.1213	1	1
49.5	49.5	49.5	0.0933	1	1
46.7	46.7	46.7	0.0495	1	1
49.1	49.1	49.1	0.064	1	1
49.5	49.5	49.5	0.0651	1	1
49.5	49.5	49.5	0.0905	5	5
48.6	48.6	48.6	0.064	1	1
49.9	49.9	49.9	0.0504	1	1
42.3	42.3	42.3	0.0736	1	1
49.6	49.6	49.6	0.1056	1	1
49.2	49.2	49.2	0.0625	1	1
49.4	49.4	49.4	0.0791	1	1
48.7	48.7	48.7	0.046	1	1
45.8	45.8	45.8	0.0696	1	1
47.5	47.5	47.5	0.0217	1	1
50	50	50	0.1253	1	1
49.3	49.3	49.3	0.0566	1	1
100	100	100	0.0363	1	1
46.5	46.5	46.5	0.0859	1	1
49.2	49.2	49.2	0.0394	1	1
50.2	50.2	50.2	0.0504	1	1
47.6	47.6	47.6	0.0672	1	1
49.8	49.8	49.8	0.0283	1	1
46.8	46.8	46.8	0.0679	1	1

	49.7		49.7	49.7	0.0406	1	1
	48		48	48	0.1033	1	1
	49.7		49.7	49.7	0.0423	1	1
	49.9		49.9	49.9	0.0557	1	1
	48.4		48.4	48.4	0.077	1	1
	49.4		49.4	49.4	0.0336	1	1
	46.7		46.7	46.7	0.0672	1	1
	48.5		48.5	48.5	0.0439	1	1
	47.4		47.4	47.4	0.0672	1	1
	48.5		48.5	48.5	0.0513	1	1
	48.9		48.9	48.9	0.046	1	1
	46.4		46.4	46.4	0.0629	1	1
	48.3		48.3	48.3	0.04	1	1
	32.2		32.2	32.2	0.5379	5	5
	41.7		41.7	41.7	0.5035	5	5
	33		33	33	0.1663	5	5
	30		30	30	0.4166	5	5
	38.8		38.8	38.8	0.1758	5	5
	52.2		52.2	52.2	0	0	1
	50.8		50.8	50.8	0	0	1
	49.7		49.7	49.7	0	0	1
<	1	<	1	1	0.0699	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.2298	1	1
<	1	<	1	1	0.0902	1	1
<	5	<	5	5	0.7402	5	5
<	1	<	1	1	0.1952	1	1
<	1	<	1	1	0.16	1	1
<	10	<	10	10	0.8536	10	10
<	5	<	5	5	0.1119	5	5
<	1	<	1	1	0.0764	1	1
<	1	<	1	1	0.1837	1	1
<	5	<	5	5	0.3941	5	5
<	5	<	5	5	0.484	5	5
<	5	<	5	5	0.0975	5	5
<	10	<	10	10	0.42007	10	10
<	1	<	1	1	0.0736	1	1
<	5	<	5	5	0.6888	5	5
<	1	<	1	1	0.0504	1	1
<	1	<	1	1	0.0598	1	1
<	1	<	1	1	0.0299	1	1
<	1	<	1	1	0.1006	1	1
<	1	<	1	1	0.0665	1	1
<	1	<	1	1	0.0557	1	1
<	1	<	1	1	0.0475	1	1
<	1	<	1	1	0.0846	1	1
<	1	<	1	1	0.0423	1	1
<	1	<	1	1	0.0495	1	1
<	1	<	1	1	0.1213	1	1
<	1	<	1	1	0.0933	1	1
<	1	<	1	1	0.0495	1	1
<	1	<	1	1	0.064	1	1

<	1 <	1 <	1	0.0651	1	1
<	5 <	5 <	5	0.0905	5	5
<	1 <	1 <	1	0.064	1	1
<	1 <	1 <	1	0.0504	1	1
<	1 <	1 <	1	0.0736	1	1
<	1 <	1 <	1	0.1056	1	1
<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
<	1 <	1 <	1	0.1253	1	1
<	1 <	1 <	1	0.0566	1	1
<	1 <	1 <	1	0.0363	1	1
<	1 <	1 <	1	0.0859	1	1
<	1 <	1 <	1	0.0394	1	1
<	1 <	1 <	1	0.05046	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0283	1	1
<	1 <	1 <	1	0.0679	1	1
<	1 <	1 <	1	0.0406	1	1
<	1 <	1 <	1	0.1033	1	1
<	1 <	1 <	1	0.0423	1	1
<	1 <	1 <	1	0.0557	1	1
<	1 <	1 <	1	0.077	1	1
<	1 <	1 <	1	0.0336	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0439	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0513	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	50.3	50.3	50.3	0	0	1
	49.6	49.6	49.6	0	0	1
	48.9	48.9	48.9	0	0	1
	49.4	49.4	49.4	0.0699	1	1
	35.8	35.8	35.8	0.0598	1	1
	45.5	45.5	45.5	0.2298	1	1
	46.1	46.1	46.1	0.0902	1	1
	44.4	44.4	44.4	0.7402	5	5
	46.7	46.7	46.7	0.1952	1	1
	54.2	54.2	54.2	0.16	1	1
	45.1	45.1	45.1	0.8536	10	10

48.5	48.5	48.5	0.1119	5	5
47.6	47.6	47.6	0.0764	1	1
53.6	53.6	53.6	0.1837	1	1
46.5	46.5	46.5	0.3941	5	5
50.7	50.7	50.7	0.484	5	5
52.7	52.7	52.7	0.0975	5	5
46.5	46.5	46.5	0.4207	10	10
48.5	48.5	48.5	0.0736	1	1
45.2	45.2	45.2	0.6888	5	5
50.8	50.8	50.8	0.0504	1	1
48.7	48.7	48.7	0.0598	1	1
49.9	49.9	49.9	0.0299	1	1
49.8	49.8	49.8	0.1006	1	1
39.6	39.6	39.6	0.0665	1	1
49.2	49.2	49.2	0.0557	1	1
49.3	49.3	49.3	0.0475	1	1
49.1	49.1	49.1	0.0846	1	1
47.8	47.8	47.8	0.0423	1	1
48.4	48.4	48.4	0.0495	1	1
49.1	49.1	49.1	0.1213	1	1
49.2	49.2	49.2	0.0933	1	1
46.8	46.8	46.8	0.0495	1	1
49.2	49.2	49.2	0.064	1	1
50	50	50	0.0651	1	1
49.2	49.2	49.2	0.0905	5	5
48	48	48	0.064	1	1
48.9	48.9	48.9	0.0504	1	1
42.6	42.6	42.6	0.0736	1	1
49.6	49.6	49.6	0.1056	1	1
49.2	49.2	49.2	0.0625	1	1
50.6	50.6	50.6	0.0791	1	1
50	50	50	0.046	1	1
49.3	49.3	49.3	0.0696	1	1
47	47	47	0.0217	1	1
48.8	48.8	48.8	0.1253	1	1
48.7	48.7	48.7	0.0566	1	1
97.4	97.4	97.4	0.0363	1	1
49.6	49.6	49.6	0.0859	1	1
50.1	50.1	50.1	0.0394	1	1
49	49	49	0.0504	1	1
49.4	49.4	49.4	0.0672	1	1
49.2	49.2	49.2	0.0283	1	1
49.5	49.5	49.5	0.0679	1	1
49.7	49.7	49.7	0.0406	1	1
48.6	48.6	48.6	0.1033	1	1
48.8	48.8	48.8	0.0423	1	1
49.6	49.6	49.6	0.0557	1	1
49.3	49.3	49.3	0.077	1	1
48.7	48.7	48.7	0.0336	1	1
47	47	47	0.0672	1	1
49	49	49	0.0439	1	1
47.9	47.9	47.9	0.0672	1	1

48.6	48.6	48.6	0.0513	1	1
48.6	48.6	48.6	0.046	1	1
48.8	48.8	48.8	0.0629	1	1
48.7	48.7	48.7	0.04	1	1
48.1	48.1	48.1	0.5379	5	5
52.6	52.6	52.6	0.5035	5	5
49	49	49	0.1663	5	5
46	46	46	0.4166	5	5
48	48	48	0.1758	5	5
51	51	51	0.0699	1	1
35.2	35.2	35.2	0.0598	1	1
48.6	48.6	48.6	0.2298	1	1
48.8	48.8	48.8	0.0902	1	1
50.9	50.9	50.9	0.7402	5	5
52.1	52.1	52.1	0.1952	1	1
54	54	54	0.16	1	1
50.8	50.8	50.8	0.8536	10	10
48.2	48.2	48.2	0.1119	5	5
46.6	46.6	46.6	0.0764	1	1
53.9	53.9	53.9	0.1837	1	1
48.9	48.9	48.9	0.3941	5	5
48.9	48.9	48.9	0.484	5	5
53.4	53.4	53.4	0.0975	5	5
43.7	43.7	43.7	0.4207	10	10
48.4	48.4	48.4	0.0736	1	1
45.9	45.9	45.9	0.6888	5	5
49.9	49.9	49.9	0.0504	1	1
49.1	49.1	49.1	0.0598	1	1
49.8	49.8	49.8	0.0299	1	1
49.9	49.9	49.9	0.1006	1	1
52.9	52.9	52.9	0.0665	1	1
49.9	49.9	49.9	0.0557	1	1
50.6	50.6	50.6	0.0475	1	1
50	50	50	0.0846	1	1
49.2	49.2	49.2	0.0423	1	1
49.1	49.1	49.1	0.0495	1	1
50.9	50.9	50.9	0.1213	1	1
50	50	50	0.0933	1	1
47.6	47.6	47.6	0.0495	1	1
49.9	49.9	49.9	0.064	1	1
50.5	50.5	50.5	0.0651	1	1
50	50	50	0.0905	5	5
49.5	49.5	49.5	0.064	1	1
51.6	51.6	51.6	0.0504	1	1
44	44	44	0.0736	1	1
49.9	49.9	49.9	0.1056	1	1
49.9	49.9	49.9	0.0625	1	1
49.4	49.4	49.4	0.0791	1	1
49	49	49	0.046	1	1
47.3	47.3	47.3	0.0696	1	1
47.8	47.8	47.8	0.0217	1	1
49.5	49.5	49.5	0.1253	1	1

50.1	50.1	50.1	0.0566	1	1
101	101	101	0.0363	1	1
46.2	46.2	46.2	0.0859	1	1
52.3	52.3	52.3	0.0394	1	1
50.7	50.7	50.7	0.0504	1	1
47.7	47.7	47.7	0.0672	1	1
51.5	51.5	51.5	0.0283	1	1
47.7	47.7	47.7	0.0679	1	1
51.2	51.2	51.2	0.0406	1	1
49.4	49.4	49.4	0.1033	1	1
51.5	51.5	51.5	0.0423	1	1
51.8	51.8	51.8	0.0557	1	1
49.5	49.5	49.5	0.077	1	1
50.7	50.7	50.7	0.0336	1	1
47.8	47.8	47.8	0.0672	1	1
50.9	50.9	50.9	0.0439	1	1
48.6	48.6	48.6	0.0672	1	1
50.7	50.7	50.7	0.0513	1	1
50.4	50.4	50.4	0.046	1	1
47.3	47.3	47.3	0.0629	1	1
50.4	50.4	50.4	0.04	1	1
31.4	31.4	31.4	0.5379	5	5
39.5	39.5	39.5	0.5035	5	5
31.6	31.6	31.6	0.1663	5	5
29.1	29.1	29.1	0.4166	5	5
39.3	39.3	39.3	0.1758	5	5
55.8	55.8	55.8	0.0699	1	1
47.8	47.8	47.8	0.0598	1	1
53	53	53	0.2298	1	1
50.4	50.4	50.4	0.0902	1	1
47.3	47.3	47.3	0.7402	5	5
50.6	50.6	50.6	0.1952	1	1
54.2	54.2	54.2	0.16	1	1
49.8	49.8	49.8	0.8536	10	10
51.9	51.9	51.9	0.1119	5	5
48.6	48.6	48.6	0.0764	1	1
55.2	55.2	55.2	0.1837	1	1
48	48	48	0.3941	5	5
52.6	52.6	52.6	0.484	5	5
53.6	53.6	53.6	0.0975	5	5
35.1	35.1	35.1	0.42007	10	10
49.7	49.7	49.7	0.0736	1	1
45.9	45.9	45.9	0.6888	5	5
53.7	53.7	53.7	0.0504	1	1
50.4	50.4	50.4	0.0598	1	1
54.5	54.5	54.5	0.0299	1	1
52.2	52.2	52.2	0.1006	1	1
23.2	23.2	23.2	0.0665	1	1
53	53	53	0.0557	1	1
55.1	55.1	55.1	0.0475	1	1
54	54	54	0.0846	1	1
49.6	49.6	49.6	0.0423	1	1

51	51	51	0.0495	1	1
54.5	54.5	54.5	0.1213	1	1
53.3	53.3	53.3	0.0933	1	1
50.5	50.5	50.5	0.0495	1	1
54.5	54.5	54.5	0.064	1	1
53.4	53.4	53.4	0.0651	1	1
53.3	53.3	53.3	0.0905	5	5
46.7	46.7	46.7	0.064	1	1
47	47	47	0.0504	1	1
45.2	45.2	45.2	0.0736	1	1
52.8	52.8	52.8	0.1056	1	1
52.6	52.6	52.6	0.0625	1	1
54.4	54.4	54.4	0.0791	1	1
52.7	52.7	52.7	0.046	1	1
52.2	52.2	52.2	0.0696	1	1
49.5	49.5	49.5	0.0217	1	1
52.2	52.2	52.2	0.1253	1	1
49.9	49.9	49.9	0.0566	1	1
99.8	99.8	99.8	0.0363	1	1
52.5	52.5	52.5	0.0859	1	1
51.7	51.7	51.7	0.0394	1	1
51.2	51.2	51.2	0.05046	1	1
49	49	49	0.0672	1	1
51.9	51.9	51.9	0.0283	1	1
48	48	48	0.0679	1	1
52.2	52.2	52.2	0.0406	1	1
50.5	50.5	50.5	0.1033	1	1
49.7	49.7	49.7	0.0423	1	1
51	51	51	0.0557	1	1
50.2	50.2	50.2	0.077	1	1
50.3	50.3	50.3	0.0336	1	1
47.7	47.7	47.7	0.0672	1	1
48.7	48.7	48.7	0.0439	1	1
48.5	48.5	48.5	0.0672	1	1
47.6	47.6	47.6	0.0513	1	1
50.7	50.7	50.7	0.046	1	1
48.4	48.4	48.4	0.0629	1	1
44.7	44.7	44.7	0.04	1	1
34.8	34.8	34.8	0.5379	5	5
13	13	13	0.5035	5	5
24.9	24.9	24.9	0.1663	5	5
18.6	18.6	18.6	0.4166	5	5
36	36	36	0.1758	5	5
51.4	51.4	51.4	0	0	1
49.5	49.5	49.5	0	0	1
48.9	48.9	48.9	0	0	1
55.1	55.1	55.1	0.0699	1	1
46.3	46.3	46.3	0.0598	1	1
52.3	52.3	52.3	0.2298	1	1
50.1	50.1	50.1	0.0902	1	1
47.9	47.9	47.9	0.7402	5	5
50.2	50.2	50.2	0.1952	1	1

53.4	53.4	53.4	0.16	1	1
50.4	50.4	50.4	0.8536	10	10
51.2	51.2	51.2	0.1119	5	5
49.5	49.5	49.5	0.0764	1	1
54.8	54.8	54.8	0.1837	1	1
47.1	47.1	47.1	0.3941	5	5
51.9	51.9	51.9	0.484	5	5
52.8	52.8	52.8	0.0975	5	5
34.2	34.2	34.2	0.42007	10	10
49.4	49.4	49.4	0.0736	1	1
45.7	45.7	45.7	0.6888	5	5
53.2	53.2	53.2	0.0504	1	1
50.6	50.6	50.6	0.0598	1	1
53.8	53.8	53.8	0.0299	1	1
51.7	51.7	51.7	0.1006	1	1
22.2	22.2	22.2	0.0665	1	1
52.6	52.6	52.6	0.0557	1	1
54.8	54.8	54.8	0.0475	1	1
53.5	53.5	53.5	0.0846	1	1
49.7	49.7	49.7	0.0423	1	1
50.2	50.2	50.2	0.0495	1	1
53.7	53.7	53.7	0.1213	1	1
52.8	52.8	52.8	0.0933	1	1
50.5	50.5	50.5	0.0495	1	1
54.1	54.1	54.1	0.064	1	1
53.5	53.5	53.5	0.0651	1	1
52.8	52.8	52.8	0.0905	5	5
45.7	45.7	45.7	0.064	1	1
46.5	46.5	46.5	0.0504	1	1
45.2	45.2	45.2	0.0736	1	1
51.7	51.7	51.7	0.1056	1	1
51.2	51.2	51.2	0.0625	1	1
53.6	53.6	53.6	0.0791	1	1
51.8	51.8	51.8	0.046	1	1
53	53	53	0.0696	1	1
48.8	48.8	48.8	0.0217	1	1
51.8	51.8	51.8	0.1253	1	1
49.9	49.9	49.9	0.0566	1	1
99.5	99.5	99.5	0.0363	1	1
52.2	52.2	52.2	0.0859	1	1
51	51	51	0.0394	1	1
50.5	50.5	50.5	0.05046	1	1
48.4	48.4	48.4	0.0672	1	1
52.3	52.3	52.3	0.0283	1	1
47.2	47.2	47.2	0.0679	1	1
53	53	53	0.0406	1	1
50.7	50.7	50.7	0.1033	1	1
50.8	50.8	50.8	0.0423	1	1
51.6	51.6	51.6	0.0557	1	1
50.2	50.2	50.2	0.077	1	1
51.4	51.4	51.4	0.0336	1	1
48.1	48.1	48.1	0.0672	1	1

49.6	49.6	49.6	0.0439	1	1
49	49	49	0.0672	1	1
48.5	48.5	48.5	0.0513	1	1
51	51	51	0.046	1	1
48.6	48.6	48.6	0.0629	1	1
47.2	47.2	47.2	0.04	1	1
34.7	34.7	34.7	0.5379	5	5
38.8	38.8	38.8	0.5035	5	5
32.4	32.4	32.4	0.1663	5	5
32.2	32.2	32.2	0.4166	5	5
38.1	38.1	38.1	0.1758	5	5
52.5	52.5	52.5	0	0	1
49.4	49.4	49.4	0	0	1
48.6	48.6	48.6	0	0	1
53.2	53.2	53.2	0.0699	1	1
44.8	44.8	44.8	0.0598	1	1
53	53	53	0.2298	1	1
49.1	49.1	49.1	0.0902	1	1
41.3	41.3	41.3	0.7402	5	5
48.8	48.8	48.8	0.1952	1	1
53.9	53.9	53.9	0.16	1	1
52.2	52.2	52.2	0.8536	10	10
48.1	48.1	48.1	0.1119	5	5
48	48	48	0.0764	1	1
55.2	55.2	55.2	0.1837	1	1
45.5	45.5	45.5	0.3941	5	5
50.2	50.2	50.2	0.484	5	5
53.6	53.6	53.6	0.0975	5	5
32.2	32.2	32.2	0.420717	10	10
48.2	48.2	48.2	0.0736	1	1
43.9	43.9	43.9	0.6888	5	5
51.2	51.2	51.2	0.0504	1	1
49	49	49	0.0598	1	1
52.4	52.4	52.4	0.0299	1	1
50	50	50	0.1006	1	1
18.4	18.4	18.4	0.0665	1	1
51.1	51.1	51.1	0.0557	1	1
52.8	52.8	52.8	0.0475	1	1
51.7	51.7	51.7	0.0846	1	1
48.4	48.4	48.4	0.0423	1	1
48.8	48.8	48.8	0.0495	1	1
52.7	52.7	52.7	0.1213	1	1
51.1	51.1	51.1	0.0933	1	1
48.1	48.1	48.1	0.0495	1	1
53.2	53.2	53.2	0.064	1	1
51.6	51.6	51.6	0.0651	1	1
51.1	51.1	51.1	0.0905	5	5
43.5	43.5	43.5	0.064	1	1
44.1	44.1	44.1	0.0504	1	1
43.3	43.3	43.3	0.0736	1	1
51	51	51	0.1056	1	1
51	51	51	0.0625	1	1

52.3	52.3	52.3	0.0791	1	1
50.7	50.7	50.7	0.046	1	1
47.5	47.5	47.5	0.0696	1	1
48	48	48	0.0217	1	1
49.9	49.9	49.9	0.1253	1	1
48.8	48.8	48.8	0.0566	1	1
97.4	97.4	97.4	0.0363	1	1
51.2	51.2	51.2	0.0859	1	1
34.9	34.9	34.9	0.0394	1	1
49.7	49.7	49.7	0.0504	1	1
48	48	48	0.0672	1	1
50	50	50	0.0283	1	1
45.9	45.9	45.9	0.0679	1	1
50.6	50.6	50.6	0.0406	1	1
48.4	48.4	48.4	0.1033	1	1
48.4	48.4	48.4	0.0423	1	1
48.9	48.9	48.9	0.0557	1	1
47.8	47.8	47.8	0.077	1	1
47.7	47.7	47.7	0.0336	1	1
46.3	46.3	46.3	0.0672	1	1
47.3	47.3	47.3	0.0439	1	1
47	47	47	0.0672	1	1
46.5	46.5	46.5	0.0513	1	1
48.7	48.7	48.7	0.046	1	1
46.6	46.6	46.6	0.0629	1	1
44.7	44.7	44.7	0.04	1	1
37	37	37	0.5379	5	5
43.5	43.5	43.5	0.5035	5	5
32.9	32.9	32.9	0.1663	5	5
32.7	32.7	32.7	0.4166	5	5
38.9	38.9	38.9	0.1758	5	5
52.6	52.6	52.6	0	0	1
49.5	49.5	49.5	0	0	1
48.8	48.8	48.8	0	0	1
53.6	53.6	53.6	0.0699	1	1
43.2	43.2	43.2	0.0598	1	1
53.8	53.8	53.8	0.2298	1	1
48.4	48.4	48.4	0.0902	1	1
41.1	41.1	41.1	0.7402	5	5
48.7	48.7	48.7	0.1952	1	1
52.9	52.9	52.9	0.16	1	1
56	56	56	0.8536	10	10
48.4	48.4	48.4	0.1119	5	5
47.3	47.3	47.3	0.0764	1	1
54.6	54.6	54.6	0.1837	1	1
47.8	47.8	47.8	0.3941	5	5
50.8	50.8	50.8	0.484	5	5
54.4	54.4	54.4	0.0975	5	5
31.7	31.7	31.7	0.420717	10	10
48.5	48.5	48.5	0.0736	1	1
44.2	44.2	44.2	0.6888	5	5
51.7	51.7	51.7	0.0504	1	1

49	49	49	0.0598	1	1
52.7	52.7	52.7	0.0299	1	1
51	51	51	0.1006	1	1
17.5	17.5	17.5	0.0665	1	1
51.7	51.7	51.7	0.0557	1	1
53.5	53.5	53.5	0.0475	1	1
52.2	52.2	52.2	0.0846	1	1
49	49	49	0.0423	1	1
49.7	49.7	49.7	0.0495	1	1
53	53	53	0.1213	1	1
51.6	51.6	51.6	0.0933	1	1
48.2	48.2	48.2	0.0495	1	1
53.1	53.1	53.1	0.064	1	1
52	52	52	0.0651	1	1
51.6	51.6	51.6	0.0905	5	5
43.3	43.3	43.3	0.064	1	1
44.3	44.3	44.3	0.0504	1	1
43.7	43.7	43.7	0.0736	1	1
51.6	51.6	51.6	0.1056	1	1
51.4	51.4	51.4	0.0625	1	1
53.4	53.4	53.4	0.0791	1	1
51.5	51.5	51.5	0.046	1	1
46.4	46.4	46.4	0.0696	1	1
48	48	48	0.0217	1	1
51	51	51	0.1253	1	1
48.9	48.9	48.9	0.0566	1	1
97.2	97.2	97.2	0.0363	1	1
52.1	52.1	52.1	0.0859	1	1
34.6	34.6	34.6	0.0394	1	1
49.7	49.7	49.7	0.0504	1	1
48.6	48.6	48.6	0.0672	1	1
50.4	50.4	50.4	0.0283	1	1
45.6	45.6	45.6	0.0679	1	1
50.7	50.7	50.7	0.0406	1	1
48.6	48.6	48.6	0.1033	1	1
48.4	48.4	48.4	0.0423	1	1
48.8	48.8	48.8	0.0557	1	1
47.7	47.7	47.7	0.077	1	1
47.5	47.5	47.5	0.0336	1	1
46.1	46.1	46.1	0.0672	1	1
46.4	46.4	46.4	0.0439	1	1
46.7	46.7	46.7	0.0672	1	1
45.8	45.8	45.8	0.0513	1	1
49.1	49.1	49.1	0.046	1	1
46.9	46.9	46.9	0.0629	1	1
43.6	43.6	43.6	0.04	1	1
35.7	35.7	35.7	0.5379	5	5
42	42	42	0.5035	5	5
32	32	32	0.1663	5	5
31.8	31.8	31.8	0.4166	5	5
36.6	36.6	36.6	0.1758	5	5
52.6	52.6	52.6	0	0	1

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<	1 <	1 <	1	0.0336	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0439	1	1
<	1 <	1 <	1	0.0672	1	1
<	1 <	1 <	1	0.0513	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0629	1	1
<	1 <	1 <	1	0.04	1	1
<	5 <	5 <	5	0.5379	5	5
<	5 <	5 <	5	0.5035	5	5
<	5 <	5 <	5	0.1663	5	5
<	5 <	5 <	5	0.4166	5	5
<	5 <	5 <	5	0.1758	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
<	5 <	5 <	5	5	5	5
	52.3	52.3	52.3	0	0	1
	50.4	50.4	50.4	0	0	1
	48.2	48.2	48.2	0	0	1
	54.4	54.4	54.4	0.0699	1	1
	49.4	49.4	49.4	0.0598	1	1
	50.6	50.6	50.6	0.2298	1	1
	48.2	48.2	48.2	0.0902	1	1
	44.9	44.9	44.9	0.7402	5	5
	48.5	48.5	48.5	0.1952	1	1
	62.5	62.5	62.5	0.16	1	1
	39.4	39.4	39.4	0.8536	10	10
	52.7	52.7	52.7	0.1119	5	5
	51.7	51.7	51.7	0.0764	1	1
	51.7	51.7	51.7	0.1837	1	1
	46.1	46.1	46.1	0.3941	5	5
	50.8	50.8	50.8	0.484	5	5
	48.6	48.6	48.6	0.0975	5	5
	49.2	49.2	49.2	0.4207	10	10
	50.4	50.4	50.4	0.0736	1	1
	45.5	45.5	45.5	0.6888	5	5
	53	53	53	0.0504	1	1
	50.2	50.2	50.2	0.0598	1	1
	53.3	53.3	53.3	0.0299	1	1
	52.1	52.1	52.1	0.1006	1	1
	60.1	60.1	60.1	0.0665	1	1
	51	51	51	0.0557	1	1
	53.2	53.2	53.2	0.0475	1	1
	54.8	54.8	54.8	0.0846	1	1
	50.6	50.6	50.6	0.0423	1	1
	50.2	50.2	50.2	0.0495	1	1

	54.8		54.8		54.8	0.1213	1	1
	52		52		52	0.0933	1	1
	50.9		50.9		50.9	0.0495	1	1
	52.9		52.9		52.9	0.064	1	1
	53.3		53.3		53.3	0.0651	1	1
	52		52		52	0.0905	5	5
	54.1		54.1		54.1	0.064	1	1
	53.7		53.7		53.7	0.0504	1	1
	45		45		45	0.0736	1	1
	52		52		52	0.1056	1	1
	50.7		50.7		50.7	0.0625	1	1
	54.3		54.3		54.3	0.0791	1	1
	52.1		52.1		52.1	0.046	1	1
	51.4		51.4		51.4	0.0696	1	1
	49.4		49.4		49.4	0.0217	1	1
	51.8		51.8		51.8	0.1253	1	1
	50.4		50.4		50.4	0.0566	1	1
	100		100		100	0.0363	1	1
	54.5		54.5		54.5	0.0859	1	1
	51.6		51.6		51.6	0.0394	1	1
	50.7		50.7		50.7	0.0504	1	1
	48.6		48.6		48.6	0.0672	1	1
	52.8		52.8		52.8	0.0283	1	1
	52		52		52	0.0679	1	1
	54.2		54.2		54.2	0.0406	1	1
	51.9		51.9		51.9	0.1033	1	1
	52.6		52.6		52.6	0.0423	1	1
	52.7		52.7		52.7	0.0557	1	1
	52.2		52.2		52.2	0.077	1	1
	52		52		52	0.0336	1	1
	50		50		50	0.0672	1	1
	52		52		52	0.0439	1	1
	50.8		50.8		50.8	0.0672	1	1
	51.7		51.7		51.7	0.0513	1	1
	52.8		52.8		52.8	0.046	1	1
	50		50		50	0.0629	1	1
	51.5		51.5		51.5	0.04	1	1
	36.4		36.4		36.4	0.5379	5	5
	15.2		15.2		15.2	0.5035	5	5
	28.5		28.5		28.5	0.1663	5	5
	20.8		20.8		20.8	0.4166	5	5
	43.8		43.8		43.8	0.1758	5	5
	0.00101		0.00101		0.00101	3.36E-05	0.0002	0.0002
	0.00096		0.00096		0.00096	3.36E-05	0.0002	0.0002
	0.001		0.001		0.001	3.36E-05	0.0002	0.0002
	0.001		0.001		0.001	3.36E-05	0.0002	0.0002
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	0.00102		0.00102		0.00102	3.36E-05	0.0002	0.0002
	0.001		0.001		0.001	3.36E-05	0.0002	0.0002
	1130		1130		1130	5	0	5
	1130		1130		1130	5	0	5
	0	<	5	<	5	5		5

1020		1020		1020	5	0	5
1020		1020		1020	5	0	5
240		240		240	5	0	5
230		230		230	5	0	5
0	<	5	<	5	5		5
1010		1010		1010	5	0	5
999		999		999	5	0	5
7.8		7.8		7.8	0	0	0
7.76		7.76		7.76	0	0	0
6.98		6.98		6.98	0	0	0
7		7		7	0	0	0
8.75		8.75		8.75	0	0	0
8.73		8.73		8.73	0	0	0
6.98		6.98		6.98	0	0	0
7		7		7	0	0	0
10100		10100		10100	0	0	0
10100		10100		10100	0	0	0
0		0		0			
1410		1410		1410	0	0	0
1420		1420		1420	0	0	0
0.125		0.125		0.125	0.0021	0.002	0.002
0.482		0.482		0.482	0.0043	0.01	0.01
1.01		1.01		1.01	0.0017	0.01	0.01
0.024		0.024		0.024	0.0022	0.0025	0.0025
0.247		0.247		0.247	0.0014	0.001	0.001
0.253		0.253		0.253	0.0022	0.005	0.005
0.108		0.108		0.108	0.0009	0.005	0.005
0.13		0.13		0.13	0.0014	0.005	0.005
0.254		0.254		0.254	0.0019	0.005	0.005
0.505		0.505		0.505	0.0074	0.005	0.005
0.222		0.222		0.222	0.0166	0.05	0.05
0.425		0.425		0.425	0.0131	0.01	0.01
0.306		0.306		0.306	0.0124	0.025	0.025
0.506		0.506		0.506	0.0189	0.05	0.05
0.264		0.264		0.264	0.0015	0.005	0.005
0.243		0.243		0.243	0.0071	0.005	0.005
0.124		0.124		0.124	0.0021	0.002	0.002
0.468		0.468		0.468	0.0043	0.01	0.01
1.01		1.01		1.01	0.0017	0.01	0.01
0.024		0.024		0.024	0.0022	0.0025	0.0025
0.246		0.246		0.246	0.0014	0.001	0.001
0.256		0.256		0.256	0.0022	0.005	0.005
0.108		0.108		0.108	0.0009	0.005	0.005
0.13		0.13		0.13	0.0014	0.005	0.005
0.256		0.256		0.256	0.0019	0.005	0.005
0.498		0.498		0.498	0.0074	0.005	0.005
0.233		0.233		0.233	0.0166	0.05	0.05
0.466		0.466		0.466	0.0131	0.01	0.01
0.311		0.311		0.311	0.0124	0.025	0.025
0.501		0.501		0.501	0.0189	0.05	0.05
0.264		0.264		0.264	0.0015	0.005	0.005
0.242		0.242		0.242	0.0071	0.005	0.005

	0.123		0.123		0.123	0.0021	0.002	0.002
	0.501		0.501		0.501	0.0043	0.01	0.01
	1.03		1.03		1.03	0.0017	0.01	0.01
	0.025		0.025		0.025	0.0022	0.0025	0.0025
	0.235		0.235		0.235	0.0014	0.001	0.001
	0.239		0.239		0.239	0.0022	0.005	0.005
	0.107		0.107		0.107	0.0009	0.005	0.005
	0.124		0.124		0.124	0.0014	0.005	0.005
	0.238		0.238		0.238	0.0019	0.005	0.005
	0.521		0.521		0.521	0.0074	0.005	0.005
	0.225		0.225		0.225	0.0166	0.05	0.05
	0.406		0.406		0.406	0.0131	0.01	0.01
	0.306		0.306		0.306	0.0124	0.025	0.025
	0.469		0.469		0.469	0.0189	0.05	0.05
	0.263		0.263		0.263	0.0015	0.005	0.005
	0.238		0.238		0.238	0.0071	0.005	0.005
	0.125		0.125		0.125	0.0021	0.002	0.002
	0.531		0.531		0.531	0.0043	0.01	0.01
	1.05		1.05		1.05	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.239		0.239		0.239	0.0014	0.001	0.001
	0.245		0.245		0.245	0.0022	0.005	0.005
	0.109		0.109		0.109	0.0009	0.005	0.005
	0.126		0.126		0.126	0.0014	0.005	0.005
	0.249		0.249		0.249	0.0019	0.005	0.005
	0.513		0.513		0.513	0.0074	0.005	0.005
	0.242		0.242		0.242	0.0166	0.05	0.05
	0.427		0.427		0.427	0.0131	0.01	0.01
	0.284		0.284		0.284	0.0124	0.025	0.025
	0.456		0.456		0.456	0.0189	0.05	0.05
	0.268		0.268		0.268	0.0015	0.005	0.005
	0.243		0.243		0.243	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0071	0.005	0.005
	0.13		0.13		0.13	0.0021	0.002	0.002
	1.01		1.01		1.01	0.0043	0.01	0.01
	1.02		1.02		1.02	0.0017	0.01	0.01
	1.01		1.01		1.01	0.0022	0.0025	0.0025

1.05	1.05	1.05	0.0014	0.001	0.001
1.02	1.02	1.02	0.0022	0.005	0.005
1.04	1.04	1.04	0.0009	0.005	0.005
1.02	1.02	1.02	0.0014	0.005	0.005
1.01	1.01	1.01	0.0019	0.005	0.005
1.07	1.07	1.07	0.0074	0.005	0.005
1.03	1.03	1.03	0.0166	0.05	0.05
1.06	1.06	1.06	0.0131	0.01	0.01
1.03	1.03	1.03	0.0124	0.025	0.025
1.04	1.04	1.04	0.0189	0.05	0.05
0.989	0.989	0.989	0.0015	0.005	0.005
1.01	1.01	1.01	0	0.005	0.005
0.124	0.124	0.124	0.0021	0.002	0.002
1.02	1.02	1.02	0.0043	0.01	0.01
0.996	0.996	0.996	0.0017	0.01	0.01
0.978	0.978	0.978	0.0022	0.0025	0.0025
1.03	1.03	1.03	0.0014	0.001	0.001
0.991	0.991	0.991	0.0022	0.005	0.005
1.02	1.02	1.02	0.0009	0.005	0.005
0.981	0.981	0.981	0.0014	0.005	0.005
0.987	0.987	0.987	0.0019	0.005	0.005
1.05	1.05	1.05	0.0074	0.005	0.005
0.95	0.95	0.95	0.0166	0.05	0.05
1.03	1.03	1.03	0.0131	0.01	0.01
1	1	1	0.0124	0.025	0.025
0.987	0.987	0.987	0.0189	0.05	0.05
1	1	1	0.0015	0.005	0.005
0.983	0.983	0.983	0.0071	0.005	0.005
2.44	2.44	2.44	0.0153	0	0.1
2.47	2.47	2.47	0.0153	0	0.1
2.46	2.46	2.46	0.0168	0	0.1
2.49	2.49	2.49	0.0168	0	0.1
11.8	11.8	11.8	0.035	0	2
2.34	2.34	2.34	0.0168	0	0.2
12.1	12.1	12.1	0.0238	0	1
12	12	12	0.035	0	2
2.38	2.38	2.38	0.0168	0	0.2
12.3	12.3	12.3	0.0238	0	1
12.2	12.2	12.2	0.0153	0	0.1
12.2	12.2	12.2	0.0153	0	0.1
13.5	13.5	13.5	0.0168	0	0.1
13.5	13.5	13.5	0.0168	0	0.1
69.4	69.4	69.4	0.035	0	2
12	12	12	0.0168	0	0.2
102	102	102	0.0238	0	1
69.5	69.5	69.5	0.035	0	2
12	12	12	0.0168	0	0.2
102	102	102	0.0238	0	1
0 <	0.1 <	0.1	0.0153	0	0.1
0 <	0.1 <	0.1	0.0168	0	0.1
0 <	2 <	2	0.035	0	2
0 <	0.2 <	0.2	0.0168	0	0.2

	0	<	1	<	1	0.0238	0	1
	2.37		2.37		2.37	0.0153	0	0.1
	2.33		2.33		2.33	0.0168	0	0.1
	11.8		11.8		11.8	0.035	0	2
	2.35		2.35		2.35	0.0168	0	0.2
	11.6		11.6		11.6	0.0238	0	1
	2.38		2.38		2.38	0.0153	0	0.1
	2.35		2.35		2.35	0.0168	0	0.1
	11.8		11.8		11.8	0.035	0	2
	2.35		2.35		2.35	0.0168	0	0.2
	11.6		11.6		11.6	0.0238	0	1
	2.43		2.43		2.43	0.0153	0	0.1
	2.43		2.43		2.43	0.0153	0	0.1
	2.45		2.45		2.45	0.0168	0	0.1
	2.46		2.46		2.46	0.0168	0	0.1
	11.8		11.8		11.8	0.035	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	12.1		12.1		12.1	0.0238	0	1
	11.8		11.8		11.8	0.035	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	12.2		12.2		12.2	0.0238	0	1
	122		122		122	0.0153	0	0.1
	122		122		122	0.0153	0	0.1
	130		130		130	0.0168	0	0.1
	130		130		130	0.0168	0	0.1
	889		889		889	0.035	0	2
	118		118		118	0.0168	0	0.2
	982		982		982	0.0238	0	1
	890		890		890	0.035	0	2
	118		118		118	0.0168	0	0.2
	982		982		982	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.035	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0238	0	1
	2.38		2.38		2.38	0.0153	0	0.1
	2.34		2.34		2.34	0.0168	0	0.1
	11.7		11.7		11.7	0.035	0	2
	2.33		2.33		2.33	0.0168	0	0.2
	11.6		11.6		11.6	0.0238	0	1
	2.38		2.38		2.38	0.0153	0	0.1
	2.34		2.34		2.34	0.0168	0	0.1
	11.8		11.8		11.8	0.035	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	11.7		11.7		11.7	0.0238	0	1
	4.26		4.26		4.26	0.56	1	1
	5.15		5.15		5.15	0.56	1	1
	4.37		4.37		4.37	0.56	1	1
	4.31		4.31		4.31	0.56	1	1
<	1	<	1	<	1	0.56	1	1
	4.87		4.87		4.87	0.56	1	1

	5.04		5.04		5.04	0.56	1	1
	0.00098		0.00098		0.00098	3.36E-05	0.0002	0.0002
	0.00098		0.00098		0.00098	3.36E-05	0.0002	0.0002
	0.00098		0.00098		0.00098	3.36E-05	0.0002	0.0002
	0.00103		0.00103		0.00103	3.36E-05	0.0002	0.0002
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	0.00095		0.00095		0.00095	3.36E-05	0.0002	0.0002
	0.0009		0.0009		0.0009	3.36E-05	0.0002	0.0002
	2.48		2.48		2.48	0.0153	0	0.1
	2.48		2.48		2.48	0.0153	0	0.1
	2.53		2.53		2.53	0.0168	0	0.1
	2.52		2.52		2.52	0.0168	0	0.1
	12.2		12.2		12.2	0.035	0	2
	2.4		2.4		2.4	0.0168	0	0.2
	12.5		12.5		12.5	0.0238	0	1
	12.2		12.2		12.2	0.035	0	2
	2.4		2.4		2.4	0.0168	0	0.2
	12.5		12.5		12.5	0.0238	0	1
	12.6		12.6		12.6	0.0153	0	0.1
	12.4		12.4		12.4	0.0153	0	0.1
	19.8		19.8		19.8	0.0168	0	0.1
	19.7		19.7		19.7	0.0168	0	0.1
	130		130		130	0.035	0	2
	12.3		12.3		12.3	0.0168	0	0.2
	167		167		167	0.0238	0	1
	130		130		130	0.035	0	2
	12.2		12.2		12.2	0.0168	0	0.2
	168		168		168	0.0238	0	1
	0	<	0.1	<	0.1	0.0153	0	0.1
	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.035	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0238	0	1
	2.42		2.42		2.42	0.0153	0	0.1
	2.4		2.4		2.4	0.0168	0	0.1
	12.2		12.2		12.2	0.035	0	2
	2.41		2.41		2.41	0.0168	0	0.2
	12		12		12	0.0238	0	1
	2.44		2.44		2.44	0.0153	0	0.1
	2.42		2.42		2.42	0.0168	0	0.1
	12.2		12.2		12.2	0.035	0	2
	2.4		2.4		2.4	0.0168	0	0.2
	12		12		12	0.0238	0	1
	677		677		677	0	0	0
	677		677		677	0	0	0
	0		0		0			
	1400		1400		1400	0	0	0
	1420		1420		1420	0	0	0
	0.0866		0.0866		0.0866	0.000829	0.01	0.01
	0.0914		0.0914		0.0914	0.000829	0.01	0.01
	0.0698		0.0698		0.0698	0.000829	0.01	0.01
	0.0706		0.0706		0.0706	0.000829	0.01	0.01

<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.112		0.112		0.112	0	0.01	0.01
	0.111		0.111		0.111	0	0.01	0.01
	0.0866		0.0866		0.0866	0.00402	0.01	0.01
	0.0914		0.0914		0.0914	0.00402	0.01	0.01
<	0.01	<	0.01	<	0.01	0.00402	0.01	0.01
	0.112		0.112		0.112	0.00402	0.01	0.01
	0.111		0.111		0.111	0.00402	0.01	0.01
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	86		86		86	4	4	4
	86		86		86	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	86		86		86	4	4	4
	86		86		86	2.38	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	2.38	4	4
<	1	<	1	<	1	1	1	1
	240		240		240	1	1	1
	10		10		10	4	4	4
	250		250		250	2.38	4	4
<	1	<	1	<	1	1	1	1
	236		236		236	1	1	1
	8		8		8	4	4	4
	244		244		244	2.38	4	4
	0.0898		0.0898		0.0898	0.000829	0.01	0.01
	0.106		0.106		0.106	0.000829	0.01	0.01
	0.351		0.351		0.351	0.000829	0.01	0.01
	0.358		0.358		0.358	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.106		0.106		0.106	0	0.01	0.01
	0.106		0.106		0.106	0	0.01	0.01
	156		156		156	5	0	5
	158		158		158	5	0	5
	0	<	5	<	5	5		5
	1020		1020		1020	5	0	5
	1020		1020		1020	5	0	5
	4.2		4.2		4.2	0.56	1	1
	4.03		4.03		4.03	0.56	1	1
	3.86		3.86		3.86	0.56	1	1
	4.09		4.09		4.09	0.56	1	1
<	1	<	1	<	1	0.56	1	1
	4.65		4.65		4.65	0.56	1	1
	4.82		4.82		4.82	0.56	1	1
	51.9		51.9		51.9	0.0699	1	1
	49.4		49.4		49.4	0.0598	1	1
	52.5		52.5		52.5	0.2298	1	1
	52.3		52.3		52.3	0.0902	1	1
	55.9		55.9		55.9	0.7402	5	5

55.9	55.9	55.9	0.1952	1	1
53.9	53.9	53.9	0.16	1	1
42.3	42.3	42.3	0.8536	10	10
49.8	49.8	49.8	0.1119	5	5
49.2	49.2	49.2	0.0764	1	1
56.5	56.5	56.5	0.1837	1	1
48.1	48.1	48.1	0.3941	5	5
55.6	55.6	55.6	0.484	5	5
57.4	57.4	57.4	0.0975	5	5
50.9	50.9	50.9	0.42007	10	10
46.9	46.9	46.9	0.0736	1	1
47.6	47.6	47.6	0.6888	5	5
53.2	53.2	53.2	0.0504	1	1
51.1	51.1	51.1	0.0598	1	1
50.6	50.6	50.6	0.0299	1	1
51.8	51.8	51.8	0.1006	1	1
40.4	40.4	40.4	0.0665	1	1
51.5	51.5	51.5	0.0557	1	1
50	50	50	0.0475	1	1
49.5	49.5	49.5	0.0846	1	1
50.8	50.8	50.8	0.0423	1	1
49.8	49.8	49.8	0.0495	1	1
48.2	48.2	48.2	0.1213	1	1
52.9	52.9	52.9	0.0933	1	1
47.9	47.9	47.9	0.0495	1	1
51.5	51.5	51.5	0.064	1	1
52.2	52.2	52.2	0.0651	1	1
52.9	52.9	52.9	0.0905	5	5
51.5	51.5	51.5	0.064	1	1
54.7	54.7	54.7	0.0504	1	1
48.4	48.4	48.4	0.0736	1	1
51.1	51.1	51.1	0.1056	1	1
53.6	53.6	53.6	0.0625	1	1
53.4	53.4	53.4	0.0791	1	1
52.5	52.5	52.5	0.046	1	1
48.5	48.5	48.5	0.0696	1	1
46.9	46.9	46.9	0.0217	1	1
52.4	52.4	52.4	0.1253	1	1
52.3	52.3	52.3	0.0566	1	1
106	106	106	0.0363	1	1
52.6	52.6	52.6	0.0859	1	1
56.5	56.5	56.5	0.0394	1	1
54	54	54	0.05046	1	1
53.1	53.1	53.1	0.0672	1	1
51	51	51	0.0283	1	1
51.2	51.2	51.2	0.0679	1	1
51.2	51.2	51.2	0.0406	1	1
50.2	50.2	50.2	0.1033	1	1
50.3	50.3	50.3	0.0423	1	1
50.7	50.7	50.7	0.0557	1	1
49.1	49.1	49.1	0.077	1	1
50.5	50.5	50.5	0.0336	1	1

47.6	47.6	47.6	0.0672	1	1
48.9	48.9	48.9	0.0439	1	1
49.2	49.2	49.2	0.0672	1	1
49.4	49.4	49.4	0.0513	1	1
50.6	50.6	50.6	0.046	1	1
50.2	50.2	50.2	0.0629	1	1
48.1	48.1	48.1	0.04	1	1
51.5	51.5	51.5	0.5379	5	5
45.2	45.2	45.2	0.5035	5	5
45.7	45.7	45.7	0.1663	5	5
47.3	47.3	47.3	0.4166	5	5
42.1	42.1	42.1	0.1758	5	5
49.5	49.5	49.5	0	0	1
49	49	49	0	0	1
49.2	49.2	49.2	0	0	1
51.2	51.2	51.2	0.0699	1	1
49.1	49.1	49.1	0.0598	1	1
52.3	52.3	52.3	0.2298	1	1
51.6	51.6	51.6	0.0902	1	1
53.2	53.2	53.2	0.7402	5	5
53.1	53.1	53.1	0.1952	1	1
53.7	53.7	53.7	0.16	1	1
42.2	42.2	42.2	0.8536	10	10
50.7	50.7	50.7	0.1119	5	5
50	50	50	0.0764	1	1
56.2	56.2	56.2	0.1837	1	1
46.9	46.9	46.9	0.3941	5	5
54.3	54.3	54.3	0.484	5	5
55.2	55.2	55.2	0.0975	5	5
50.5	50.5	50.5	0.42007	10	10
47.6	47.6	47.6	0.0736	1	1
48	48	48	0.6888	5	5
54.1	54.1	54.1	0.0504	1	1
51	51	51	0.0598	1	1
51.3	51.3	51.3	0.0299	1	1
51.5	51.5	51.5	0.1006	1	1
40.1	40.1	40.1	0.0665	1	1
51.7	51.7	51.7	0.0557	1	1
49.9	49.9	49.9	0.0475	1	1
50.4	50.4	50.4	0.0846	1	1
52	52	52	0.0423	1	1
50.3	50.3	50.3	0.0495	1	1
49.2	49.2	49.2	0.1213	1	1
52.8	52.8	52.8	0.0933	1	1
48.3	48.3	48.3	0.0495	1	1
51.7	51.7	51.7	0.064	1	1
52.8	52.8	52.8	0.0651	1	1
52.8	52.8	52.8	0.0905	5	5
51.9	51.9	51.9	0.064	1	1
54.8	54.8	54.8	0.0504	1	1
48.8	48.8	48.8	0.0736	1	1
51.6	51.6	51.6	0.1056	1	1

53.5	53.5	53.5	0.0625	1	1
54.4	54.4	54.4	0.0791	1	1
53.5	53.5	53.5	0.046	1	1
50	50	50	0.0696	1	1
47.6	47.6	47.6	0.0217	1	1
52.3	52.3	52.3	0.1253	1	1
53.1	53.1	53.1	0.0566	1	1
107	107	107	0.0363	1	1
53.8	53.8	53.8	0.0859	1	1
57.1	57.1	57.1	0.0394	1	1
54.6	54.6	54.6	0.05046	1	1
53.4	53.4	53.4	0.0672	1	1
51.8	51.8	51.8	0.0283	1	1
52.2	52.2	52.2	0.0679	1	1
52.6	52.6	52.6	0.0406	1	1
51.1	51.1	51.1	0.1033	1	1
51.2	51.2	51.2	0.0423	1	1
51.6	51.6	51.6	0.0557	1	1
50.5	50.5	50.5	0.077	1	1
52	52	52	0.0336	1	1
48.6	48.6	48.6	0.0672	1	1
50.5	50.5	50.5	0.0439	1	1
50.1	50.1	50.1	0.0672	1	1
51.3	51.3	51.3	0.0513	1	1
51.6	51.6	51.6	0.046	1	1
51.2	51.2	51.2	0.0629	1	1
49.6	49.6	49.6	0.04	1	1
52	52	52	0.5379	5	5
50.8	50.8	50.8	0.5035	5	5
47.6	47.6	47.6	0.1663	5	5
53.5	53.5	53.5	0.4166	5	5
43.9	43.9	43.9	0.1758	5	5
49	49	49	0	0	1
49	49	49	0	0	1
49.8	49.8	49.8	0	0	1
52.2	52.2	52.2	0.0699	1	1
45.8	45.8	45.8	0.0598	1	1
51.7	51.7	51.7	0.2298	1	1
48.7	48.7	48.7	0.0902	1	1
51.8	51.8	51.8	0.7402	5	5
51.8	51.8	51.8	0.1952	1	1
48	48	48	0.16	1	1
40.8	40.8	40.8	0.8536	10	10
49.9	49.9	49.9	0.1119	5	5
45.5	45.5	45.5	0.0764	1	1
56.8	56.8	56.8	0.1837	1	1
47.6	47.6	47.6	0.3941	5	5
57.6	57.6	57.6	0.484	5	5
59	59	59	0.0975	5	5
50	50	50	0.420717	10	10
43.6	43.6	43.6	0.0736	1	1
47.8	47.8	47.8	0.6888	5	5

56.2	56.2	56.2	0.0504	1	1
48.2	48.2	48.2	0.0598	1	1
50.2	50.2	50.2	0.0299	1	1
50.6	50.6	50.6	0.1006	1	1
36.3	36.3	36.3	0.0665	1	1
51.7	51.7	51.7	0.0557	1	1
49.2	49.2	49.2	0.0475	1	1
46	46	46	0.0846	1	1
45.5	45.5	45.5	0.0423	1	1
47.8	47.8	47.8	0.0495	1	1
42.7	42.7	42.7	0.1213	1	1
52.4	52.4	52.4	0.0933	1	1
43.2	43.2	43.2	0.0495	1	1
51.8	51.8	51.8	0.064	1	1
51.7	51.7	51.7	0.0651	1	1
52.4	52.4	52.4	0.0905	5	5
50.5	50.5	50.5	0.064	1	1
53.3	53.3	53.3	0.0504	1	1
44.2	44.2	44.2	0.0736	1	1
51.5	51.5	51.5	0.1056	1	1
53	53	53	0.0625	1	1
53.6	53.6	53.6	0.0791	1	1
53.6	53.6	53.6	0.046	1	1
39.6	39.6	39.6	0.0696	1	1
43.2	43.2	43.2	0.0217	1	1
50	50	50	0.1253	1	1
46.4	46.4	46.4	0.0566	1	1
93.4	93.4	93.4	0.0363	1	1
53.3	53.3	53.3	0.0859	1	1
50.2	50.2	50.2	0.0394	1	1
49	49	49	0.0504	1	1
53.8	53.8	53.8	0.0672	1	1
46.3	46.3	46.3	0.0283	1	1
52.6	52.6	52.6	0.0679	1	1
45.3	45.3	45.3	0.0406	1	1
48.2	48.2	48.2	0.1033	1	1
44	44	44	0.0423	1	1
45.4	45.4	45.4	0.0557	1	1
43.6	43.6	43.6	0.077	1	1
45.9	45.9	45.9	0.0336	1	1
44.4	44.4	44.4	0.0672	1	1
43.1	43.1	43.1	0.0439	1	1
45.8	45.8	45.8	0.0672	1	1
44.1	44.1	44.1	0.0513	1	1
46.6	46.6	46.6	0.046	1	1
47.7	47.7	47.7	0.0629	1	1
43	43	43	0.04	1	1
53	53	53	0.5379	5	5
48.8	48.8	48.8	0.5035	5	5
45.1	45.1	45.1	0.1663	5	5
52.3	52.3	52.3	0.4166	5	5
40	40	40	0.1758	5	5

49.4	49.4	49.4	0	0	1
49.4	49.4	49.4	0	0	1
49.8	49.8	49.8	0	0	1
51.7	51.7	51.7	0.0699	1	1
48.9	48.9	48.9	0.0598	1	1
51.3	51.3	51.3	0.2298	1	1
50.5	50.5	50.5	0.0902	1	1
51.3	51.3	51.3	0.7402	5	5
52.3	52.3	52.3	0.1952	1	1
55.5	55.5	55.5	0.16	1	1
41.4	41.4	41.4	0.8536	10	10
50.6	50.6	50.6	0.1119	5	5
49.9	49.9	49.9	0.0764	1	1
55.7	55.7	55.7	0.1837	1	1
49	49	49	0.3941	5	5
55	55	55	0.484	5	5
56.5	56.5	56.5	0.0975	5	5
48.6	48.6	48.6	0.420717	10	10
47.8	47.8	47.8	0.0736	1	1
47.8	47.8	47.8	0.6888	5	5
54.3	54.3	54.3	0.0504	1	1
50	50	50	0.0598	1	1
51.4	51.4	51.4	0.0299	1	1
51.7	51.7	51.7	0.1006	1	1
37.9	37.9	37.9	0.0665	1	1
50.6	50.6	50.6	0.0557	1	1
49.8	49.8	49.8	0.0475	1	1
50.6	50.6	50.6	0.0846	1	1
50.6	50.6	50.6	0.0423	1	1
49.9	49.9	49.9	0.0495	1	1
48.6	48.6	48.6	0.1213	1	1
52.2	52.2	52.2	0.0933	1	1
47.3	47.3	47.3	0.0495	1	1
51.7	51.7	51.7	0.064	1	1
52.7	52.7	52.7	0.0651	1	1
52.2	52.2	52.2	0.0905	5	5
51.6	51.6	51.6	0.064	1	1
53.6	53.6	53.6	0.0504	1	1
47.8	47.8	47.8	0.0736	1	1
51.7	51.7	51.7	0.1056	1	1
52.3	52.3	52.3	0.0625	1	1
54.1	54.1	54.1	0.0791	1	1
53.1	53.1	53.1	0.046	1	1
44	44	44	0.0696	1	1
46.6	46.6	46.6	0.0217	1	1
51.6	51.6	51.6	0.1253	1	1
51.1	51.1	51.1	0.0566	1	1
102	102	102	0.0363	1	1
53.2	53.2	53.2	0.0859	1	1
52.9	52.9	52.9	0.0394	1	1
52.8	52.8	52.8	0.0504	1	1
53	53	53	0.0672	1	1

	50.4		50.4		50.4	0.0283	1	1
	51.5		51.5		51.5	0.0679	1	1
	50.6		50.6		50.6	0.0406	1	1
	50		50		50	0.1033	1	1
	48.9		48.9		48.9	0.0423	1	1
	49.5		49.5		49.5	0.0557	1	1
	48.4		48.4		48.4	0.077	1	1
	49.5		49.5		49.5	0.0336	1	1
	46.8		46.8		46.8	0.0672	1	1
	48.2		48.2		48.2	0.0439	1	1
	48.4		48.4		48.4	0.0672	1	1
	48.3		48.3		48.3	0.0513	1	1
	49.8		49.8		49.8	0.046	1	1
	50		50		50	0.0629	1	1
	46.9		46.9		46.9	0.04	1	1
	51.6		51.6		51.6	0.5379	5	5
	50		50		50	0.5035	5	5
	45.6		45.6		45.6	0.1663	5	5
	51.9		51.9		51.9	0.4166	5	5
	43.1		43.1		43.1	0.1758	5	5
	48.9		48.9		48.9	0	0	1
	48.9		48.9		48.9	0	0	1
	49.6		49.6		49.6	0	0	1
<	1	<	1	<	1	0.0699	1	1
<	1	<	1	<	1	0.0598	1	1
<	1	<	1	<	1	0.2298	1	1
<	1	<	1	<	1	0.0902	1	1
<	5	<	5	<	5	0.7402	5	5
<	1	<	1	<	1	0.1952	1	1
<	1	<	1	<	1	0.16	1	1
<	10	<	10	<	10	0.8536	10	10
<	5	<	5	<	5	0.1119	5	5
<	1	<	1	<	1	0.0764	1	1
<	1	<	1	<	1	0.1837	1	1
<	5	<	5	<	5	0.3941	5	5
<	5	<	5	<	5	0.484	5	5
<	5	<	5	<	5	0.0975	5	5
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<	1 <	1 <	1	0.0625	1	1
<	1 <	1 <	1	0.0791	1	1
<	1 <	1 <	1	0.046	1	1
<	1 <	1 <	1	0.0696	1	1
<	1 <	1 <	1	0.0217	1	1
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<	1 <	1 <	1	0.0672	1	1
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<	1 <	1 <	1	0.0679	1	1
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<	1 <	1 <	1	0.077	1	1
<	1 <	1 <	1	0.0336	1	1
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<	5 <	5 <	5	5	5	5
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<	5 <	5 <	5	5	5	5
	49.5	49.5	49.5	0	0	1
	50.5	50.5	50.5	0	0	1
	48.3	48.3	48.3	0	0	1
	51.7	51.7	51.7	0.0699	1	1
	51.8	51.8	51.8	0.0598	1	1
	46.3	46.3	46.3	0.2298	1	1
	45.9	45.9	45.9	0.0902	1	1
	47.3	47.3	47.3	0.7402	5	5
	46.6	46.6	46.6	0.1952	1	1

54.8	54.8	54.8	0.16	1	1
218	218	218	0.8536	10	10
52	52	52	0.1119	5	5
50.8	50.8	50.8	0.0764	1	1
54.3	54.3	54.3	0.1837	1	1
83.5	83.5	83.5	0.3941	5	5
57.6	57.6	57.6	0.484	5	5
76.7	76.7	76.7	0.0975	5	5
55.5	55.5	55.5	0.4207	10	10
49	49	49	0.0736	1	1
53.8	53.8	53.8	0.6888	5	5
54.6	54.6	54.6	0.0504	1	1
51.2	51.2	51.2	0.0598	1	1
51.3	51.3	51.3	0.0299	1	1
52.3	52.3	52.3	0.1006	1	1
52.6	52.6	52.6	0.0665	1	1
50.1	50.1	50.1	0.0557	1	1
49.4	49.4	49.4	0.0475	1	1
51.1	51.1	51.1	0.0846	1	1
52.8	52.8	52.8	0.0423	1	1
50	50	50	0.0495	1	1
49.3	49.3	49.3	0.1213	1	1
52.6	52.6	52.6	0.0933	1	1
48.9	48.9	48.9	0.0495	1	1
51.6	51.6	51.6	0.064	1	1
53.1	53.1	53.1	0.0651	1	1
52.6	52.6	52.6	0.0905	5	5
55.4	55.4	55.4	0.064	1	1
56.7	56.7	56.7	0.0504	1	1
48.2	48.2	48.2	0.0736	1	1
51.3	51.3	51.3	0.1056	1	1
52.9	52.9	52.9	0.0625	1	1
55.1	55.1	55.1	0.0791	1	1
54.6	54.6	54.6	0.046	1	1
49.2	49.2	49.2	0.0696	1	1
47.8	47.8	47.8	0.0217	1	1
52.3	52.3	52.3	0.1253	1	1
52.6	52.6	52.6	0.0566	1	1
105	105	105	0.0363	1	1
54	54	54	0.0859	1	1
56.6	56.6	56.6	0.0394	1	1
54	54	54	0.0504	1	1
53.3	53.3	53.3	0.0672	1	1
52.6	52.6	52.6	0.0283	1	1
54.5	54.5	54.5	0.0679	1	1
53.8	53.8	53.8	0.0406	1	1
52.1	52.1	52.1	0.1033	1	1
52.3	52.3	52.3	0.0423	1	1
52.8	52.8	52.8	0.0557	1	1
51.9	51.9	51.9	0.077	1	1
52.5	52.5	52.5	0.0336	1	1
49.3	49.3	49.3	0.0672	1	1

	52		52	52	0.0439	1	1
	51		51	51	0.0672	1	1
	52.9		52.9	52.9	0.0513	1	1
	52.7		52.7	52.7	0.046	1	1
	52.4		52.4	52.4	0.0629	1	1
	52.5		52.5	52.5	0.04	1	1
	53.4		53.4	53.4	0.5379	5	5
	46.7		46.7	46.7	0.5035	5	5
	49.2		49.2	49.2	0.1663	5	5
	49.2		49.2	49.2	0.4166	5	5
	49.4		49.4	49.4	0.1758	5	5
	0.00094		0.00094	0.00094	3.36E-05	0.0002	0.0002
	0.00093		0.00093	0.00093	3.36E-05	0.0002	0.0002
	0.00098		0.00098	0.00098	3.36E-05	0.0002	0.0002
	0.001		0.001	0.001	3.36E-05	0.0002	0.0002
<	0.0002	<	0.0002	< 0.0002	3.36E-05	0.0002	0.0002
	0.00102		0.00102	0.00102	3.36E-05	0.0002	0.0002
	0.00097		0.00097	0.00097	3.36E-05	0.0002	0.0002
	7.79		7.79	7.79	0	0	0
	7.77		7.77	7.77	0	0	0
	6.93		6.93	6.93	0	0	0
	7		7	7	0	0	0
	0.0898		0.0898	0.0898	0.000829	0.01	0.01
	0.106		0.106	0.106	0.000829	0.01	0.01
<	0.01	<	0.01	< 0.01	0.000829	0.01	0.01
	0.106		0.106	0.106	0.000829	0.01	0.01
	0.106		0.106	0.106	0.000829	0.01	0.01
	0.14		0.14	0.14	0.0021	0.002	0.002
	0.495		0.495	0.495	0.0043	0.01	0.01
	0.954		0.954	0.954	0.0017	0.01	0.01
	0.023		0.023	0.023	0.0022	0.0025	0.0025
	0.235		0.235	0.235	0.0014	0.001	0.001
	0.241		0.241	0.241	0.0022	0.005	0.005
	0.096		0.096	0.096	0.0009	0.005	0.005
	0.122		0.122	0.122	0.0014	0.005	0.005
	0.238		0.238	0.238	0.0019	0.005	0.005
	0.498		0.498	0.498	0.0074	0.005	0.005
	0.246		0.246	0.246	0.0166	0.05	0.05
	0.467		0.467	0.467	0.0131	0.01	0.01
	0.301		0.301	0.301	0.0124	0.025	0.025
	0.504		0.504	0.504	0.0189	0.05	0.05
	0.252		0.252	0.252	0.0015	0.005	0.005
	0.232		0.232	0.232	0.0071	0.005	0.005
	0.135		0.135	0.135	0.0021	0.002	0.002
	0.516		0.516	0.516	0.0043	0.01	0.01
	0.959		0.959	0.959	0.0017	0.01	0.01
	0.024		0.024	0.024	0.0022	0.0025	0.0025
	0.236		0.236	0.236	0.0014	0.001	0.001
	0.239		0.239	0.239	0.0022	0.005	0.005
	0.097		0.097	0.097	0.0009	0.005	0.005
	0.122		0.122	0.122	0.0014	0.005	0.005
	0.239		0.239	0.239	0.0019	0.005	0.005

	0.497		0.497		0.497	0.0074	0.005	0.005
	0.227		0.227		0.227	0.0166	0.05	0.05
	0.448		0.448		0.448	0.0131	0.01	0.01
	0.309		0.309		0.309	0.0124	0.025	0.025
	0.48		0.48		0.48	0.0189	0.05	0.05
	0.252		0.252		0.252	0.0015	0.005	0.005
	0.236		0.236		0.236	0.0071	0.005	0.005
	0.126		0.126		0.126	0.0021	0.002	0.002
	0.446		0.446		0.446	0.0043	0.01	0.01
	1.07		1.07		1.07	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.238		0.238		0.238	0.0014	0.001	0.001
	0.245		0.245		0.245	0.0022	0.005	0.005
	0.104		0.104		0.104	0.0009	0.005	0.005
	0.138		0.138		0.138	0.0014	0.005	0.005
	0.243		0.243		0.243	0.0019	0.005	0.005
	0.511		0.511		0.511	0.0074	0.005	0.005
	0.223		0.223		0.223	0.0166	0.05	0.05
	0.465		0.465		0.465	0.0131	0.01	0.01
	0.308		0.308		0.308	0.0124	0.025	0.025
	0.473		0.473		0.473	0.0189	0.05	0.05
	0.268		0.268		0.268	0.0015	0.005	0.005
	0.245		0.245		0.245	0.0071	0.005	0.005
	0.131		0.131		0.131	0.0021	0.002	0.002
	0.47		0.47		0.47	0.0043	0.01	0.01
	1.06		1.06		1.06	0.0017	0.01	0.01
	0.024		0.024		0.024	0.0022	0.0025	0.0025
	0.236		0.236		0.236	0.0014	0.001	0.001
	0.242		0.242		0.242	0.0022	0.005	0.005
	0.101		0.101		0.101	0.0009	0.005	0.005
	0.135		0.135		0.135	0.0014	0.005	0.005
	0.241		0.241		0.241	0.0019	0.005	0.005
	0.504		0.504		0.504	0.0074	0.005	0.005
	0.237		0.237		0.237	0.0166	0.05	0.05
	0.448		0.448		0.448	0.0131	0.01	0.01
	0.304		0.304		0.304	0.0124	0.025	0.025
	0.425		0.425		0.425	0.0189	0.05	0.05
	0.263		0.263		0.263	0.0015	0.005	0.005
	0.242		0.242		0.242	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025

<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0071	0.005	0.005
	0.124		0.124		0.124	0.0021	0.002	0.002
	0.947		0.947		0.947	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.981		0.981		0.981	0.0022	0.0025	0.0025
	1.02		1.02		1.02	0.0014	0.001	0.001
	0.985		0.985		0.985	0.0022	0.005	0.005
	1.02		1.02		1.02	0.0009	0.005	0.005
	0.983		0.983		0.983	0.0014	0.005	0.005
	0.981		0.981		0.981	0.0019	0.005	0.005
	1.03		1.03		1.03	0.0074	0.005	0.005
	0.955		0.955		0.955	0.0166	0.05	0.05
	0.973		0.973		0.973	0.0131	0.01	0.01
	1.01		1.01		1.01	0.0124	0.025	0.025
	0.983		0.983		0.983	0.0189	0.05	0.05
	0.971		0.971		0.971	0.0015	0.005	0.005
	0.976		0.976		0.976	0	0.005	0.005
	0.129		0.129		0.129	0.0021	0.002	0.002
	1.01		1.01		1.01	0.0043	0.01	0.01
	1.04		1.04		1.04	0.0017	0.01	0.01
	1.02		1.02		1.02	0.0022	0.0025	0.0025
	1.07		1.07		1.07	0.0014	0.001	0.001
	1.03		1.03		1.03	0.0022	0.005	0.005
	1.06		1.06		1.06	0.0009	0.005	0.005
	1.03		1.03		1.03	0.0014	0.005	0.005
	1.02		1.02		1.02	0.0019	0.005	0.005
	1.03		1.03		1.03	0.0074	0.005	0.005
	1		1		1	0.0166	0.05	0.05
	1.07		1.07		1.07	0.0131	0.01	0.01
	1.05		1.05		1.05	0.0124	0.025	0.025
	1.03		1.03		1.03	0.0189	0.05	0.05
	1.01		1.01		1.01	0.0015	0.005	0.005
	1.02		1.02		1.02	0.0071	0.005	0.005
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
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	74		74		74	3.36	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	74		74		74	4	4	4
	74		74		74	3.36	4	4
<	1	<	1	<	1	1	1	1
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<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	3.36	4	4
<	1	<	1	<	1	1	1	1
	240		240		240	1	1	1
	10		10		10	4	4	4
	250		250		250	3.36	4	4
<	1	<	1	<	1	1	1	1

	244		244		244	1	1	1
	6		6		6	4	4	4
	250		250		250	3.36	4	4
	0.00101		0.00101		0.00101	3.36E-05	0.0002	0.0002
	0.00101		0.00101		0.00101	3.36E-05	0.0002	0.0002
	0.00092		0.00092		0.00092	3.36E-05	0.0002	0.0002
	0.00092		0.00092		0.00092	3.36E-05	0.0002	0.0002
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	0.00103		0.00103		0.00103	3.36E-05	0.0002	0.0002
	0.001		0.001		0.001	3.36E-05	0.0002	0.0002
	0.133		0.133		0.133	0.0021	0.002	0.002
	0.128		0.128		0.128	0.0021	0.002	0.002
	0.506		0.506		0.506	0.0043	0.01	0.01
	0.448		0.448		0.448	0.0043	0.01	0.01
	1.04		1.04		1.04	0.0017	0.01	0.01
	1.03		1.03		1.03	0.0017	0.01	0.01
	0.026		0.026		0.026	0.0022	0.0025	0.0025
	0.025		0.025		0.025	0.0022	0.0025	0.0025
	0.26		0.26		0.26	0.0014	0.001	0.001
	0.255		0.255		0.255	0.0014	0.001	0.001
	0.25		0.25		0.25	0.0022	0.005	0.005
	0.255		0.255		0.255	0.0022	0.005	0.005
	0.107		0.107		0.107	0.0009	0.005	0.005
	0.106		0.106		0.106	0.0009	0.005	0.005
	0.132		0.132		0.132	0.0014	0.005	0.005
	0.131		0.131		0.131	0.0014	0.005	0.005
	0.259		0.259		0.259	0.0019	0.005	0.005
	0.255		0.255		0.255	0.0019	0.005	0.005
	0.526		0.526		0.526	0.0074	0.005	0.005
	0.51		0.51		0.51	0.0074	0.005	0.005
	0.253		0.253		0.253	0.0166	0.05	0.05
	0.235		0.235		0.235	0.0166	0.05	0.05
	0.488		0.488		0.488	0.0131	0.01	0.01
	0.478		0.478		0.478	0.0131	0.01	0.01
	0.307		0.307		0.307	0.0124	0.025	0.025
	0.306		0.306		0.306	0.0124	0.025	0.025
	0.52		0.52		0.52	0.0189	0.05	0.05
	0.525		0.525		0.525	0.0189	0.05	0.05
	0.26		0.26		0.26	0.0015	0.005	0.005
	0.266		0.266		0.266	0.0015	0.005	0.005
	0.257		0.257		0.257	0.0071	0.005	0.005
	0.253		0.253		0.253	0.0071	0.005	0.005
	0.133		0.133		0.133	0.0021	0.002	0.002
	0.506		0.506		0.506	0.0043	0.01	0.01
	1.04		1.04		1.04	0.0017	0.01	0.01
	0.026		0.026		0.026	0.0022	0.0025	0.0025
	0.26		0.26		0.26	0.0014	0.001	0.001
	0.25		0.25		0.25	0.0022	0.005	0.005
	0.107		0.107		0.107	0.0009	0.005	0.005
	0.132		0.132		0.132	0.0014	0.005	0.005
	0.259		0.259		0.259	0.0019	0.005	0.005
	0.526		0.526		0.526	0.0074	0.005	0.005

0.253	0.253	0.253	0.0166	0.05	0.05
0.488	0.488	0.488	0.0131	0.01	0.01
0.307	0.307	0.307	0.0124	0.025	0.025
0.52	0.52	0.52	0.0189	0.05	0.05
0.26	0.26	0.26	0.0015	0.005	0.005
0.257	0.257	0.257	0.0071	0.005	0.005
0.128	0.128	0.128	0.0021	0.002	0.002
0.448	0.448	0.448	0.0043	0.01	0.01
1.03	1.03	1.03	0.0017	0.01	0.01
0.025	0.025	0.025	0.0022	0.0025	0.0025
0.255	0.255	0.255	0.0014	0.001	0.001
0.255	0.255	0.255	0.0022	0.005	0.005
0.106	0.106	0.106	0.0009	0.005	0.005
0.131	0.131	0.131	0.0014	0.005	0.005
0.255	0.255	0.255	0.0019	0.005	0.005
0.51	0.51	0.51	0.0074	0.005	0.005
0.235	0.235	0.235	0.0166	0.05	0.05
0.478	0.478	0.478	0.0131	0.01	0.01
0.306	0.306	0.306	0.0124	0.025	0.025
0.525	0.525	0.525	0.0189	0.05	0.05
0.266	0.266	0.266	0.0015	0.005	0.005
0.253	0.253	0.253	0.0071	0.005	0.005
0.115	0.115	0.115	0.0021	0.002	0.002
0.119	0.119	0.119	0.0021	0.002	0.002
1.43	1.43	1.43	0.0043	0.01	0.01
1.44	1.44	1.44	0.0043	0.01	0.01
0.878	0.878	0.878	0.0017	0.01	0.01
0.939	0.939	0.939	0.0017	0.01	0.01
0.023	0.023	0.023	0.0022	0.0025	0.0025
0.024	0.024	0.024	0.0022	0.0025	0.0025
0.569	0.569	0.569	0.0014	0.001	0.001
0.619	0.619	0.619	0.0014	0.001	0.001
0.22	0.22	0.22	0.0022	0.005	0.005
0.236	0.236	0.236	0.0022	0.005	0.005
0.09	0.09	0.09	0.0009	0.005	0.005
0.098	0.098	0.098	0.0009	0.005	0.005
1.38	1.38	1.38	0.0014	0.005	0.005
1.4	1.4	1.4	0.0014	0.005	0.005
0.359	0.359	0.359	0.0019	0.005	0.005
0.352	0.352	0.352	0.0019	0.005	0.005
0.499	0.499	0.499	0.0074	0.005	0.005
0.496	0.496	0.496	0.0074	0.005	0.005
0.255	0.255	0.255	0.0166	0.05	0.05
0.234	0.234	0.234	0.0166	0.05	0.05
0.439	0.439	0.439	0.0131	0.01	0.01
0.436	0.436	0.436	0.0131	0.01	0.01
0.281	0.281	0.281	0.0124	0.025	0.025
0.293	0.293	0.293	0.0124	0.025	0.025
0.422	0.422	0.422	0.0189	0.05	0.05
0.433	0.433	0.433	0.0189	0.05	0.05
0.226	0.226	0.226	0.0015	0.005	0.005
0.243	0.243	0.243	0.0015	0.005	0.005

	2.55		2.55		2.55	0.0071	0.005	0.005
	2.57		2.57		2.57	0.0071	0.005	0.005
	0.115		0.115		0.115	0.0021	0.002	0.002
	1.43		1.43		1.43	0.0043	0.01	0.01
	0.878		0.878		0.878	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.569		0.569		0.569	0.0014	0.001	0.001
	0.22		0.22		0.22	0.0022	0.005	0.005
	0.09		0.09		0.09	0.0009	0.005	0.005
	1.38		1.38		1.38	0.0014	0.005	0.005
	0.359		0.359		0.359	0.0019	0.005	0.005
	0.499		0.499		0.499	0.0074	0.005	0.005
	0.255		0.255		0.255	0.0166	0.05	0.05
	0.439		0.439		0.439	0.0131	0.01	0.01
	0.281		0.281		0.281	0.0124	0.025	0.025
	0.422		0.422		0.422	0.0189	0.05	0.05
	0.226		0.226		0.226	0.0015	0.005	0.005
	2.55		2.55		2.55	0.0071	0.005	0.005
	0.119		0.119		0.119	0.0021	0.002	0.002
	1.44		1.44		1.44	0.0043	0.01	0.01
	0.939		0.939		0.939	0.0017	0.01	0.01
	0.024		0.024		0.024	0.0022	0.0025	0.0025
	0.619		0.619		0.619	0.0014	0.001	0.001
	0.236		0.236		0.236	0.0022	0.005	0.005
	0.098		0.098		0.098	0.0009	0.005	0.005
	1.4		1.4		1.4	0.0014	0.005	0.005
	0.352		0.352		0.352	0.0019	0.005	0.005
	0.496		0.496		0.496	0.0074	0.005	0.005
	0.234		0.234		0.234	0.0166	0.05	0.05
	0.436		0.436		0.436	0.0131	0.01	0.01
	0.293		0.293		0.293	0.0124	0.025	0.025
	0.433		0.433		0.433	0.0189	0.05	0.05
	0.243		0.243		0.243	0.0015	0.005	0.005
	2.57		2.57		2.57	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01

<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0071	0.005	0.005
	0.126		0.126		0.126	0.0021	0.002	0.002
	0.997		0.997		0.997	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.997		0.997		0.997	0.0022	0.0025	0.0025
	1.03		1.03		1.03	0.0014	0.001	0.001
	1		1		1	0.0022	0.005	0.005
	1.02		1.02		1.02	0.0009	0.005	0.005
	0.999		0.999		0.999	0.0014	0.005	0.005
	0.994		0.994		0.994	0.0019	0.005	0.005
	1.05		1.05		1.05	0.0074	0.005	0.005
	0.964		0.964		0.964	0.0166	0.05	0.05
	1.05		1.05		1.05	0.0131	0.01	0.01
	1.01		1.01		1.01	0.0124	0.025	0.025
	1.03		1.03		1.03	0.0189	0.05	0.05
	0.975		0.975		0.975	0.0015	0.005	0.005
	0.997		0.997		0.997	0	0.005	0.005
	0.126		0.126		0.126	0.0021	0.002	0.002
	0.997		0.997		0.997	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.997		0.997		0.997	0.0022	0.0025	0.0025
	1.03		1.03		1.03	0.0014	0.001	0.001
	1		1		1	0.0022	0.005	0.005
	1.02		1.02		1.02	0.0009	0.005	0.005
	0.999		0.999		0.999	0.0014	0.005	0.005
	0.994		0.994		0.994	0.0019	0.005	0.005
	1.05		1.05		1.05	0.0074	0.005	0.005
	0.964		0.964		0.964	0.0166	0.05	0.05
	1.05		1.05		1.05	0.0131	0.01	0.01
	1.01		1.01		1.01	0.0124	0.025	0.025
	1.03		1.03		1.03	0.0189	0.05	0.05
	0.975		0.975		0.975	0.0015	0.005	0.005
	0.997		0.997		0.997	0	0.005	0.005
	0.118		0.118		0.118	0.0021	0.002	0.002
	0.946		0.946		0.946	0.0043	0.01	0.01
	0.949		0.949		0.949	0.0017	0.01	0.01
	0.922		0.922		0.922	0.0022	0.0025	0.0025
	0.967		0.967		0.967	0.0014	0.001	0.001
	0.938		0.938		0.938	0.0022	0.005	0.005

0.965		0.965		0.965	0.0009	0.005	0.005
0.93		0.93		0.93	0.0014	0.005	0.005
0.927		0.927		0.927	0.0019	0.005	0.005
0.979		0.979		0.979	0.0074	0.005	0.005
0.911		0.911		0.911	0.0166	0.05	0.05
0.999		0.999		0.999	0.0131	0.01	0.01
0.951		0.951		0.951	0.0124	0.025	0.025
0.943		0.943		0.943	0.0189	0.05	0.05
0.915		0.915		0.915	0.0015	0.005	0.005
0.929		0.929		0.929	0.0071	0.005	0.005
0.118		0.118		0.118	0.0021	0.002	0.002
0.946		0.946		0.946	0.0043	0.01	0.01
0.949		0.949		0.949	0.0017	0.01	0.01
0.922		0.922		0.922	0.0022	0.0025	0.0025
0.967		0.967		0.967	0.0014	0.001	0.001
0.938		0.938		0.938	0.0022	0.005	0.005
0.965		0.965		0.965	0.0009	0.005	0.005
0.93		0.93		0.93	0.0014	0.005	0.005
0.927		0.927		0.927	0.0019	0.005	0.005
0.979		0.979		0.979	0.0074	0.005	0.005
0.911		0.911		0.911	0.0166	0.05	0.05
0.999		0.999		0.999	0.0131	0.01	0.01
0.951		0.951		0.951	0.0124	0.025	0.025
0.943		0.943		0.943	0.0189	0.05	0.05
0.915		0.915		0.915	0.0015	0.005	0.005
0.929		0.929		0.929	0.0071	0.005	0.005
11.5		11.5		11.5	0.035	0	2
11.6		11.6		11.6	0.035	0	2
2.35		2.35		2.35	0.0168	0	0.2
2.36		2.36		2.36	0.0168	0	0.2
2.37		2.37		2.37	0.0153	0	0.1
2.37		2.37		2.37	0.0153	0	0.1
2.4		2.4		2.4	0.0168	0	0.1
2.41		2.41		2.41	0.0168	0	0.1
12		12		12	0.0238	0	1
12.1		12.1		12.1	0.0238	0	1
70.6		70.6		70.6	0.035	0	2
70.6		70.6		70.6	0.035	0	2
11.9		11.9		11.9	0.0168	0	0.2
11.9		11.9		11.9	0.0168	0	0.2
11.9		11.9		11.9	0.0153	0	0.1
11.9		11.9		11.9	0.0153	0	0.1
14		14		14	0.0168	0	0.1
14		14		14	0.0168	0	0.1
104		104		104	0.0238	0	1
104		104		104	0.0238	0	1
0	<	2	<	2	0.035	0	2
0	<	0.2	<	0.2	0.0168	0	0.2
0	<	0.1	<	0.1	0.0153	0	0.1
0	<	0.1	<	0.1	0.0168	0	0.1
0	<	1	<	1	0.0238	0	1
11.5		11.5		11.5	0.035	0	2

2.33		2.33		2.33	0.0168	0	0.2
2.33		2.33		2.33	0.0153	0	0.1
2.27		2.27		2.27	0.0168	0	0.1
11.4		11.4		11.4	0.0238	0	1
11.6		11.6		11.6	0.035	0	2
2.31		2.31		2.31	0.0168	0	0.2
2.34		2.34		2.34	0.0153	0	0.1
2.29		2.29		2.29	0.0168	0	0.1
11.5		11.5		11.5	0.0238	0	1
2.39		2.39		2.39	0.0153	0	0.1
2.42		2.42		2.42	0.0153	0	0.1
2.43		2.43		2.43	0.0168	0	0.1
2.45		2.45		2.45	0.0168	0	0.1
11.7		11.7		11.7	0.035	0	2
2.39		2.39		2.39	0.0168	0	0.2
12.2		12.2		12.2	0.0238	0	1
11.8		11.8		11.8	0.035	0	2
2.39		2.39		2.39	0.0168	0	0.2
12.2		12.2		12.2	0.0238	0	1
12		12		12	0.0153	0	0.1
12		12		12	0.0153	0	0.1
13.4		13.4		13.4	0.0168	0	0.1
13.3		13.3		13.3	0.0168	0	0.1
70		70		70	0.035	0	2
12.2		12.2		12.2	0.0168	0	0.2
103		103		103	0.0238	0	1
68.7		68.7		68.7	0.035	0	2
12.2		12.2		12.2	0.0168	0	0.2
103		103		103	0.0238	0	1
0	<	0.1	<	0.1	0.0153	0	0.1
0	<	0.1	<	0.1	0.0168	0	0.1
0	<	2	<	2	0.035	0	2
0	<	0.2	<	0.2	0.0168	0	0.2
0	<	1	<	1	0.0238	0	1
2.34		2.34		2.34	0.0153	0	0.1
2.28		2.28		2.28	0.0168	0	0.1
11.5		11.5		11.5	0.035	0	2
2.33		2.33		2.33	0.0168	0	0.2
11.5		11.5		11.5	0.0238	0	1
2.37		2.37		2.37	0.0153	0	0.1
2.32		2.32		2.32	0.0168	0	0.1
11.7		11.7		11.7	0.035	0	2
2.35		2.35		2.35	0.0168	0	0.2
11.6		11.6		11.6	0.0238	0	1
2.43		2.43		2.43	0.0153	0	0.1
2.44		2.44		2.44	0.0153	0	0.1
2.48		2.48		2.48	0.0168	0	0.1
2.49		2.49		2.49	0.0168	0	0.1
12		12		12	0.035	0	2
2.42		2.42		2.42	0.0168	0	0.2
12.4		12.4		12.4	0.0238	0	1
12		12		12	0.035	0	2

2.42		2.42		2.42	0.0168	0	0.2
12.4		12.4		12.4	0.0238	0	1
12.1		12.1		12.1	0.0153	0	0.1
12.2		12.2		12.2	0.0153	0	0.1
16.6		16.6		16.6	0.0168	0	0.1
16.7		16.7		16.7	0.0168	0	0.1
95.2		95.2		95.2	0.035	0	2
12.2		12.2		12.2	0.0168	0	0.2
124		124		124	0.0238	0	1
96.1		96.1		96.1	0.035	0	2
12.3		12.3		12.3	0.0168	0	0.2
125		125		125	0.0238	0	1
0	<	0.1	<	0.1	0.0153	0	0.1
0	<	0.1	<	0.1	0.0168	0	0.1
0	<	2	<	2	0.035	0	2
0	<	0.2	<	0.2	0.0168	0	0.2
0	<	1	<	1	0.0238	0	1
2.36		2.36		2.36	0.0153	0	0.1
2.31		2.31		2.31	0.0168	0	0.1
11.7		11.7		11.7	0.035	0	2
2.36		2.36		2.36	0.0168	0	0.2
11.7		11.7		11.7	0.0238	0	1
2.4		2.4		2.4	0.0153	0	0.1
2.35		2.35		2.35	0.0168	0	0.1
11.9		11.9		11.9	0.035	0	2
2.38		2.38		2.38	0.0168	0	0.2
11.7		11.7		11.7	0.0238	0	1
2.42		2.42		2.42	0.0153	0	0.1
2.42		2.42		2.42	0.0153	0	0.1
2.47		2.47		2.47	0.0168	0	0.1
2.47		2.47		2.47	0.0168	0	0.1
11.9		11.9		11.9	0.035	0	2
2.41		2.41		2.41	0.0168	0	0.2
12.3		12.3		12.3	0.0238	0	1
11.9		11.9		11.9	0.035	0	2
2.41		2.41		2.41	0.0168	0	0.2
12.4		12.4		12.4	0.0238	0	1
12.1		12.1		12.1	0.0153	0	0.1
12.2		12.2		12.2	0.0153	0	0.1
16.1		16.1		16.1	0.0168	0	0.1
16.1		16.1		16.1	0.0168	0	0.1
97.4		97.4		97.4	0.035	0	2
12.2		12.2		12.2	0.0168	0	0.2
111		111		111	0.0238	0	1
97.5		97.5		97.5	0.035	0	2
12.2		12.2		12.2	0.0168	0	0.2
111		111		111	0.0238	0	1
0	<	0.1	<	0.1	0.0153	0	0.1
0	<	0.1	<	0.1	0.0168	0	0.1
0	<	2	<	2	0.035	0	2
0	<	0.2	<	0.2	0.0168	0	0.2
0	<	1	<	1	0.0238	0	1

	2.35		2.35		2.35	0.0153	0	0.1
	2.29		2.29		2.29	0.0168	0	0.1
	11.6		11.6		11.6	0.035	0	2
	2.34		2.34		2.34	0.0168	0	0.2
	11.5		11.5		11.5	0.0238	0	1
	2.4		2.4		2.4	0.0153	0	0.1
	2.36		2.36		2.36	0.0168	0	0.1
	11.9		11.9		11.9	0.035	0	2
	2.39		2.39		2.39	0.0168	0	0.2
	11.9		11.9		11.9	0.0238	0	1
	7.8		7.8		7.8	0	0	0
	7.82		7.82		7.82	0	0	0
	6.96		6.96		6.96	0	0	0
	7.04		7.04		7.04	0	0	0
	7.72		7.72		7.72	0	0	0
	7.73		7.73		7.73	0	0	0
	6.94		6.94		6.94	0	0	0
	7.03		7.03		7.03	0	0	0
	7.82		7.82		7.82	0	0	0
	7.82		7.82		7.82	0	0	0
	6.97		6.97		6.97	0	0	0
	7.05		7.05		7.05	0	0	0
	7.83		7.83		7.83	0	0	0
	7.83		7.83		7.83	0	0	0
	6.96		6.96		6.96	0	0	0
	7		7		7	0	0	0
	338		338		338	0	0	0
	332		332		332	0	0	0
	0		0		0			
	1400		1400		1400	0	0	0
	1420		1420		1420	0	0	0
	463		463		463	0	0	0
	463		463		463	0	0	0
	0		0		0			
	1410		1410		1410	0	0	0
	1420		1420		1420	0	0	0
	336		336		336	5	0	5
	326		326		326	5	0	5
	0	<	5	<	5	5		5
	1000		1000		1000	5	0	5
	1000		1000		1000	5	0	5
	314		314		314	5	0	5
	312		312		312	5	0	5
	0	<	5	<	5	5		5
	997		997		997	5	0	5
	996		996		996	5	0	5
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	80		80		80	4	4	4
	80		80		80	3.36	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1

	80		80		80	4	4	4
	80		80		80	3.36	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	3.36	4	4
<	1	<	1	<	1	1	1	1
	232		232		232	1	1	1
	12		12		12	4	4	4
	244		244		244	3.36	4	4
<	1	<	1	<	1	1	1	1
	236		236		236	1	1	1
	6		6		6	4	4	4
	242		242		242	3.36	4	4
	0.129		0.129		0.129	0.0021	0.002	0.002
	0.508		0.508		0.508	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.0242		0.0242		0.0242	0.0022	0.0025	0.0025
	0.253		0.253		0.253	0.0014	0.001	0.001
	0.254		0.254		0.254	0.0022	0.005	0.005
	0.105		0.105		0.105	0.0009	0.005	0.005
	0.129		0.129		0.129	0.0014	0.005	0.005
	0.252		0.252		0.252	0.0019	0.005	0.005
	0.522		0.522		0.522	0.0074	0.005	0.005
	0.255		0.255		0.255	0.0166	0.05	0.05
	0.401		0.401		0.401	0.0131	0.01	0.01
	0.298		0.298		0.298	0.0124	0.025	0.025
	0.485		0.485		0.485	0.0189	0.05	0.05
	0.265		0.265		0.265	0.0015	0.005	0.005
	0.242		0.242		0.242	0.0071	0.005	0.005
	0.128		0.128		0.128	0.0021	0.002	0.002
	0.494		0.494		0.494	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.024		0.024		0.024	0.0022	0.0025	0.0025
	0.253		0.253		0.253	0.0014	0.001	0.001
	0.249		0.249		0.249	0.0022	0.005	0.005
	0.104		0.104		0.104	0.0009	0.005	0.005
	0.128		0.128		0.128	0.0014	0.005	0.005
	0.251		0.251		0.251	0.0019	0.005	0.005
	0.526		0.526		0.526	0.0074	0.005	0.005
	0.253		0.253		0.253	0.0166	0.05	0.05
	0.411		0.411		0.411	0.0131	0.01	0.01
	0.305		0.305		0.305	0.0124	0.025	0.025
	0.471		0.471		0.471	0.0189	0.05	0.05
	0.263		0.263		0.263	0.0015	0.005	0.005
	0.247		0.247		0.247	0.0071	0.005	0.005
	0.128		0.128		0.128	0.0021	0.002	0.002
	0.444		0.444		0.444	0.0043	0.01	0.01
	1.11		1.11		1.11	0.0017	0.01	0.01
	0.024		0.024		0.024	0.0022	0.0025	0.0025
	0.251		0.251		0.251	0.0014	0.001	0.001
	0.247		0.247		0.247	0.0022	0.005	0.005

	0.108		0.108	0.108	0.0009	0.005	0.005
	0.137		0.137	0.137	0.0014	0.005	0.005
	0.246		0.246	0.246	0.0019	0.005	0.005
	0.523		0.523	0.523	0.0074	0.005	0.005
	0.227		0.227	0.227	0.0166	0.05	0.05
	0.418		0.418	0.418	0.0131	0.01	0.01
	0.297		0.297	0.297	0.0124	0.025	0.025
	0.482		0.482	0.482	0.0189	0.05	0.05
	0.269		0.269	0.269	0.0015	0.005	0.005
	0.249		0.249	0.249	0.0071	0.005	0.005
	0.131		0.131	0.131	0.0021	0.002	0.002
	0.503		0.503	0.503	0.0043	0.01	0.01
	1.13		1.13	1.13	0.0017	0.01	0.01
	0.025		0.025	0.025	0.0022	0.0025	0.0025
	0.257		0.257	0.257	0.0014	0.001	0.001
	0.253		0.253	0.253	0.0022	0.005	0.005
	0.109		0.109	0.109	0.0009	0.005	0.005
	0.14		0.14	0.14	0.0014	0.005	0.005
	0.254		0.254	0.254	0.0019	0.005	0.005
	0.541		0.541	0.541	0.0074	0.005	0.005
	0.235		0.235	0.235	0.0166	0.05	0.05
	0.439		0.439	0.439	0.0131	0.01	0.01
	0.313		0.313	0.313	0.0124	0.025	0.025
	0.508		0.508	0.508	0.0189	0.05	0.05
	0.271		0.271	0.271	0.0015	0.005	0.005
	0.247		0.247	0.247	0.0071	0.005	0.005
<	0.002	<	0.002	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	0.005	0.0071	0.005	0.005
	0.123		0.123	0.123	0.0021	0.002	0.002
	0.946		0.946	0.946	0.0043	0.01	0.01
	1		1	1	0.0017	0.01	0.01
	0.965		0.965	0.965	0.0022	0.0025	0.0025
	1.01		1.01	1.01	0.0014	0.001	0.001
	0.973		0.973	0.973	0.0022	0.005	0.005
	1		1	1	0.0009	0.005	0.005
	0.978		0.978	0.978	0.0014	0.005	0.005
	0.968		0.968	0.968	0.0019	0.005	0.005
	1.02		1.02	1.02	0.0074	0.005	0.005

0.973	0.973	0.973	0.0166	0.05	0.05
0.911	0.911	0.911	0.0131	0.01	0.01
0.999	0.999	0.999	0.0124	0.025	0.025
0.988	0.988	0.988	0.0189	0.05	0.05
0.991	0.991	0.991	0.0015	0.005	0.005
0.968	0.968	0.968	0	0.005	0.005
0.131	0.131	0.131	0.0021	0.002	0.002
1.06	1.06	1.06	0.0043	0.01	0.01
1.05	1.05	1.05	0.0017	0.01	0.01
1.03	1.03	1.03	0.0022	0.0025	0.0025
1.08	1.08	1.08	0.0014	0.001	0.001
1.04	1.04	1.04	0.0022	0.005	0.005
1.07	1.07	1.07	0.0009	0.005	0.005
1.03	1.03	1.03	0.0014	0.005	0.005
1.04	1.04	1.04	0.0019	0.005	0.005
1.06	1.06	1.06	0.0074	0.005	0.005
1.02	1.02	1.02	0.0166	0.05	0.05
1.02	1.02	1.02	0.0131	0.01	0.01
1.08	1.08	1.08	0.0124	0.025	0.025
1.04	1.04	1.04	0.0189	0.05	0.05
1.01	1.01	1.01	0.0015	0.005	0.005
1.04	1.04	1.04	0.0071	0.005	0.005
52.8	52.8	52.8	0.0699	1	1
38.2	38.2	38.2	0.0598	1	1
51.5	51.5	51.5	0.2298	1	1
52.2	52.2	52.2	0.0902	1	1
58.4	58.4	58.4	0.7402	5	5
58.4	58.4	58.4	0.1952	1	1
53.7	53.7	53.7	0.16	1	1
51.4	51.4	51.4	0.8536	10	10
48.5	48.5	48.5	0.1119	5	5
47.5	47.5	47.5	0.0764	1	1
56.8	56.8	56.8	0.1837	1	1
45.9	45.9	45.9	0.3941	5	5
53.7	53.7	53.7	0.484	5	5
58.6	58.6	58.6	0.0975	5	5
42.1	42.1	42.1	0.42007	10	10
46.2	46.2	46.2	0.0736	1	1
51.9	51.9	51.9	0.6888	5	5
52.6	52.6	52.6	0.0504	1	1
50.5	50.5	50.5	0.0598	1	1
50.2	50.2	50.2	0.0299	1	1
51.4	51.4	51.4	0.1006	1	1
22.9	22.9	22.9	0.0665	1	1
51.5	51.5	51.5	0.0557	1	1
51.1	51.1	51.1	0.0475	1	1
49.5	49.5	49.5	0.0846	1	1
49.6	49.6	49.6	0.0423	1	1
50.1	50.1	50.1	0.0495	1	1
47.6	47.6	47.6	0.1213	1	1
52.6	52.6	52.6	0.0933	1	1
46.8	46.8	46.8	0.0495	1	1

51.9	51.9	51.9	0.064	1	1
52.5	52.5	52.5	0.0651	1	1
52.6	52.6	52.6	0.0905	5	5
46.4	46.4	46.4	0.064	1	1
49.9	49.9	49.9	0.0504	1	1
48.5	48.5	48.5	0.0736	1	1
52.5	52.5	52.5	0.1056	1	1
53.6	53.6	53.6	0.0625	1	1
54.4	54.4	54.4	0.0791	1	1
53.2	53.2	53.2	0.046	1	1
53.6	53.6	53.6	0.0696	1	1
47.2	47.2	47.2	0.0217	1	1
53.3	53.3	53.3	0.1253	1	1
52.4	52.4	52.4	0.0566	1	1
106	106	106	0.0363	1	1
53.6	53.6	53.6	0.0859	1	1
55.8	55.8	55.8	0.0394	1	1
54.7	54.7	54.7	0.05046	1	1
54.4	54.4	54.4	0.0672	1	1
50.5	50.5	50.5	0.0283	1	1
48.3	48.3	48.3	0.0679	1	1
50	50	50	0.0406	1	1
48.8	48.8	48.8	0.1033	1	1
48.9	48.9	48.9	0.0423	1	1
50.1	50.1	50.1	0.0557	1	1
47.6	47.6	47.6	0.077	1	1
50.2	50.2	50.2	0.0336	1	1
47	47	47	0.0672	1	1
47.2	47.2	47.2	0.0439	1	1
48.7	48.7	48.7	0.0672	1	1
46.8	46.8	46.8	0.0513	1	1
49.8	49.8	49.8	0.046	1	1
50	50	50	0.0629	1	1
44.6	44.6	44.6	0.04	1	1
49.6	49.6	49.6	0.5379	5	5
41.6	41.6	41.6	0.5035	5	5
41.5	41.5	41.5	0.1663	5	5
46	46	46	0.4166	5	5
37.1	37.1	37.1	0.1758	5	5
50.1	50.1	50.1	0	0	1
48.8	48.8	48.8	0	0	1
48.7	48.7	48.7	0	0	1
52	52	52	0.0699	1	1
38.3	38.3	38.3	0.0598	1	1
50.3	50.3	50.3	0.2298	1	1
52	52	52	0.0902	1	1
55.8	55.8	55.8	0.7402	5	5
56.3	56.3	56.3	0.1952	1	1
51.2	51.2	51.2	0.16	1	1
53	53	53	0.8536	10	10
49.2	49.2	49.2	0.1119	5	5
47.8	47.8	47.8	0.0764	1	1

57	57	57	0.1837	1	1
48	48	48	0.3941	5	5
57.4	57.4	57.4	0.484	5	5
60	60	60	0.0975	5	5
42.4	42.4	42.4	0.42007	10	10
46.9	46.9	46.9	0.0736	1	1
51.6	51.6	51.6	0.6888	5	5
53.2	53.2	53.2	0.0504	1	1
50.5	50.5	50.5	0.0598	1	1
49.8	49.8	49.8	0.0299	1	1
51	51	51	0.1006	1	1
22.9	22.9	22.9	0.0665	1	1
50.6	50.6	50.6	0.0557	1	1
50.2	50.2	50.2	0.0475	1	1
49.3	49.3	49.3	0.0846	1	1
50.3	50.3	50.3	0.0423	1	1
50.2	50.2	50.2	0.0495	1	1
48	48	48	0.1213	1	1
52.9	52.9	52.9	0.0933	1	1
47.3	47.3	47.3	0.0495	1	1
51.3	51.3	51.3	0.064	1	1
52.5	52.5	52.5	0.0651	1	1
52.9	52.9	52.9	0.0905	5	5
47.1	47.1	47.1	0.064	1	1
50	50	50	0.0504	1	1
48.4	48.4	48.4	0.0736	1	1
53	53	53	0.1056	1	1
53.8	53.8	53.8	0.0625	1	1
53.7	53.7	53.7	0.0791	1	1
53.3	53.3	53.3	0.046	1	1
55.6	55.6	55.6	0.0696	1	1
47.7	47.7	47.7	0.0217	1	1
52.5	52.5	52.5	0.1253	1	1
53.1	53.1	53.1	0.0566	1	1
106	106	106	0.0363	1	1
53.5	53.5	53.5	0.0859	1	1
55.6	55.6	55.6	0.0394	1	1
54.6	54.6	54.6	0.05046	1	1
55.2	55.2	55.2	0.0672	1	1
51.4	51.4	51.4	0.0283	1	1
50.1	50.1	50.1	0.0679	1	1
51.8	51.8	51.8	0.0406	1	1
50.4	50.4	50.4	0.1033	1	1
50.4	50.4	50.4	0.0423	1	1
51.2	51.2	51.2	0.0557	1	1
49.6	49.6	49.6	0.077	1	1
51.6	51.6	51.6	0.0336	1	1
48.1	48.1	48.1	0.0672	1	1
48.6	48.6	48.6	0.0439	1	1
49.6	49.6	49.6	0.0672	1	1
48.6	48.6	48.6	0.0513	1	1
50.8	50.8	50.8	0.046	1	1

50.9	50.9	50.9	0.0629	1	1
45.9	45.9	45.9	0.04	1	1
51.8	51.8	51.8	0.5379	5	5
50.7	50.7	50.7	0.5035	5	5
45.2	45.2	45.2	0.1663	5	5
53.4	53.4	53.4	0.4166	5	5
39.5	39.5	39.5	0.1758	5	5
49.4	49.4	49.4	0	0	1
48.8	48.8	48.8	0	0	1
47.8	47.8	47.8	0	0	1
49.8	49.8	49.8	0.0699	1	1
39.2	39.2	39.2	0.0598	1	1
48.5	48.5	48.5	0.2298	1	1
48.4	48.4	48.4	0.0902	1	1
49.6	49.6	49.6	0.7402	5	5
52.1	52.1	52.1	0.1952	1	1
52.8	52.8	52.8	0.16	1	1
44	44	44	0.8536	10	10
47	47	47	0.1119	5	5
46.8	46.8	46.8	0.0764	1	1
54.2	54.2	54.2	0.1837	1	1
44.8	44.8	44.8	0.3941	5	5
54	54	54	0.484	5	5
55.8	55.8	55.8	0.0975	5	5
38.6	38.6	38.6	0.420717	10	10
46.1	46.1	46.1	0.0736	1	1
46.6	46.6	46.6	0.6888	5	5
51.2	51.2	51.2	0.0504	1	1
49	49	49	0.0598	1	1
49.2	49.2	49.2	0.0299	1	1
49.5	49.5	49.5	0.1006	1	1
20.4	20.4	20.4	0.0665	1	1
49.1	49.1	49.1	0.0557	1	1
48.8	48.8	48.8	0.0475	1	1
48.6	48.6	48.6	0.0846	1	1
49.1	49.1	49.1	0.0423	1	1
48.6	48.6	48.6	0.0495	1	1
47	47	47	0.1213	1	1
50.8	50.8	50.8	0.0933	1	1
45.4	45.4	45.4	0.0495	1	1
49.5	49.5	49.5	0.064	1	1
50.6	50.6	50.6	0.0651	1	1
50.8	50.8	50.8	0.0905	5	5
44.9	44.9	44.9	0.064	1	1
46.5	46.5	46.5	0.0504	1	1
46.4	46.4	46.4	0.0736	1	1
50.6	50.6	50.6	0.1056	1	1
51.3	51.3	51.3	0.0625	1	1
52.3	52.3	52.3	0.0791	1	1
51.6	51.6	51.6	0.046	1	1
43.5	43.5	43.5	0.0696	1	1
45.8	45.8	45.8	0.0217	1	1

50.8	50.8	50.8	0.1253	1	1
51.5	51.5	51.5	0.0566	1	1
102	102	102	0.0363	1	1
50.9	50.9	50.9	0.0859	1	1
44.7	44.7	44.7	0.0394	1	1
52.6	52.6	52.6	0.0504	1	1
51.2	51.2	51.2	0.0672	1	1
50.7	50.7	50.7	0.0283	1	1
47.5	47.5	47.5	0.0679	1	1
51.1	51.1	51.1	0.0406	1	1
49.2	49.2	49.2	0.1033	1	1
49.4	49.4	49.4	0.0423	1	1
49.9	49.9	49.9	0.0557	1	1
47.9	47.9	47.9	0.077	1	1
49.1	49.1	49.1	0.0336	1	1
46.8	46.8	46.8	0.0672	1	1
47.5	47.5	47.5	0.0439	1	1
48.4	48.4	48.4	0.0672	1	1
47.4	47.4	47.4	0.0513	1	1
49.9	49.9	49.9	0.046	1	1
49.2	49.2	49.2	0.0629	1	1
45	45	45	0.04	1	1
48.8	48.8	48.8	0.5379	5	5
48.3	48.3	48.3	0.5035	5	5
43.7	43.7	43.7	0.1663	5	5
50.7	50.7	50.7	0.4166	5	5
40.6	40.6	40.6	0.1758	5	5
49.1	49.1	49.1	0	0	1
49	49	49	0	0	1
48	48	48	0	0	1
49	49	49	0.0699	1	1
35.5	35.5	35.5	0.0598	1	1
46.9	46.9	46.9	0.2298	1	1
46.3	46.3	46.3	0.0902	1	1
48.3	48.3	48.3	0.7402	5	5
51.2	51.2	51.2	0.1952	1	1
49	49	49	0.16	1	1
44.8	44.8	44.8	0.8536	10	10
45.6	45.6	45.6	0.1119	5	5
44.6	44.6	44.6	0.0764	1	1
54.4	54.4	54.4	0.1837	1	1
46.1	46.1	46.1	0.3941	5	5
54	54	54	0.484	5	5
57.1	57.1	57.1	0.0975	5	5
38.1	38.1	38.1	0.420717	10	10
43.4	43.4	43.4	0.0736	1	1
45.3	45.3	45.3	0.6888	5	5
50.7	50.7	50.7	0.0504	1	1
47.4	47.4	47.4	0.0598	1	1
47.5	47.5	47.5	0.0299	1	1
48.4	48.4	48.4	0.1006	1	1
19.3	19.3	19.3	0.0665	1	1

	48.1		48.1		48.1	0.0557	1	1
	47.4		47.4		47.4	0.0475	1	1
	46.2		46.2		46.2	0.0846	1	1
	47.5		47.5		47.5	0.0423	1	1
	47.7		47.7		47.7	0.0495	1	1
	45.3		45.3		45.3	0.1213	1	1
	50.1		50.1		50.1	0.0933	1	1
	44.8		44.8		44.8	0.0495	1	1
	49		49		49	0.064	1	1
	49.7		49.7		49.7	0.0651	1	1
	50.1		50.1		50.1	0.0905	5	5
	43.8		43.8		43.8	0.064	1	1
	46.5		46.5		46.5	0.0504	1	1
	45.7		45.7		45.7	0.0736	1	1
	49.8		49.8		49.8	0.1056	1	1
	50.4		50.4		50.4	0.0625	1	1
	51.2		51.2		51.2	0.0791	1	1
	51.3		51.3		51.3	0.046	1	1
	41.8		41.8		41.8	0.0696	1	1
	44.6		44.6		44.6	0.0217	1	1
	49.7		49.7		49.7	0.1253	1	1
	49.7		49.7		49.7	0.0566	1	1
	99.4		99.4		99.4	0.0363	1	1
	50.5		50.5		50.5	0.0859	1	1
	44.1		44.1		44.1	0.0394	1	1
	50.9		50.9		50.9	0.0504	1	1
	52.2		52.2		52.2	0.0672	1	1
	49.3		49.3		49.3	0.0283	1	1
	48.3		48.3		48.3	0.0679	1	1
	48.9		48.9		48.9	0.0406	1	1
	48.5		48.5		48.5	0.1033	1	1
	47.3		47.3		47.3	0.0423	1	1
	48.2		48.2		48.2	0.0557	1	1
	46.5		46.5		46.5	0.077	1	1
	47.7		47.7		47.7	0.0336	1	1
	45.5		45.5		45.5	0.0672	1	1
	45.6		45.6		45.6	0.0439	1	1
	47		47		47	0.0672	1	1
	45.4		45.4		45.4	0.0513	1	1
	48.3		48.3		48.3	0.046	1	1
	48.2		48.2		48.2	0.0629	1	1
	43.2		43.2		43.2	0.04	1	1
	50.5		50.5		50.5	0.5379	5	5
	49.1		49.1		49.1	0.5035	5	5
	43.2		43.2		43.2	0.1663	5	5
	51.6		51.6		51.6	0.4166	5	5
	39.1		39.1		39.1	0.1758	5	5
	48.5		48.5		48.5	0	0	1
	48.6		48.6		48.6	0	0	1
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<	5 <	5 <	5	0.1758	5	5
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<	5 <	5 <	5	5	5	5
	50.4	50.4	50.4	0	0	1
	49.5	49.5	49.5	0	0	1
	44.3	44.3	44.3	0	0	1
	53	53	53	0.0699	1	1
	46.5	46.5	46.5	0.0598	1	1
	51.5	51.5	51.5	0.2298	1	1
	52.1	52.1	52.1	0.0902	1	1
	58	58	58	0.7402	5	5
	56	56	56	0.1952	1	1
	58.3	58.3	58.3	0.16	1	1
	75.4	75.4	75.4	0.8536	10	10
	50.3	50.3	50.3	0.1119	5	5
	50.8	50.8	50.8	0.0764	1	1
	57.5	57.5	57.5	0.1837	1	1
	66.8	66.8	66.8	0.3941	5	5
	56.6	56.6	56.6	0.484	5	5
	74.1	74.1	74.1	0.0975	5	5
	56.7	56.7	56.7	0.4207	10	10
	48.7	48.7	48.7	0.0736	1	1
	51.8	51.8	51.8	0.6888	5	5
	54	54	54	0.0504	1	1
	52	52	52	0.0598	1	1
	51	51	51	0.0299	1	1
	52.4	52.4	52.4	0.1006	1	1
	51.7	51.7	51.7	0.0665	1	1
	51.2	51.2	51.2	0.0557	1	1
	50.9	50.9	50.9	0.0475	1	1
	50.9	50.9	50.9	0.0846	1	1
	52.3	52.3	52.3	0.0423	1	1
	51	51	51	0.0495	1	1
	49.5	49.5	49.5	0.1213	1	1
	53.2	53.2	53.2	0.0933	1	1
	48.6	48.6	48.6	0.0495	1	1
	52.3	52.3	52.3	0.064	1	1

	52.9		52.9		52.9	0.0651	1	1
	53.2		53.2		53.2	0.0905	5	5
	54.4		54.4		54.4	0.064	1	1
	57.7		57.7		57.7	0.0504	1	1
	49.7		49.7		49.7	0.0736	1	1
	53.4		53.4		53.4	0.1056	1	1
	53.9		53.9		53.9	0.0625	1	1
	55		55		55	0.0791	1	1
	54.5		54.5		54.5	0.046	1	1
	48.5		48.5		48.5	0.0696	1	1
	48.2		48.2		48.2	0.0217	1	1
	53.5		53.5		53.5	0.1253	1	1
	54.3		54.3		54.3	0.0566	1	1
	109		109		109	0.0363	1	1
	54.8		54.8		54.8	0.0859	1	1
	57.8		57.8		57.8	0.0394	1	1
	56.1		56.1		56.1	0.0504	1	1
	54.9		54.9		54.9	0.0672	1	1
	53		53		53	0.0283	1	1
	53.9		53.9		53.9	0.0679	1	1
	53.7		53.7		53.7	0.0406	1	1
	51.8		51.8		51.8	0.1033	1	1
	52.5		52.5		52.5	0.0423	1	1
	52.9		52.9		52.9	0.0557	1	1
	50.7		50.7		50.7	0.077	1	1
	53		53		53	0.0336	1	1
	49.6		49.6		49.6	0.0672	1	1
	51.1		51.1		51.1	0.0439	1	1
	51.1		51.1		51.1	0.0672	1	1
	51.4		51.4		51.4	0.0513	1	1
	52.4		52.4		52.4	0.046	1	1
	51.7		51.7		51.7	0.0629	1	1
	50.7		50.7		50.7	0.04	1	1
	51.8		51.8		51.8	0.5379	5	5
	48.4		48.4		48.4	0.5035	5	5
	47.9		47.9		47.9	0.1663	5	5
	50.8		50.8		50.8	0.4166	5	5
	44.7		44.7		44.7	0.1758	5	5
	0.0992		0.0992		0.0992	0.000829	0.01	0.01
	0.085		0.085		0.085	0.000829	0.01	0.01
	0.0829		0.0829		0.0829	0.000829	0.01	0.01
	0.085		0.085		0.085	0.000829	0.01	0.01
<	0.01	<	0.01	<	0.01	0.000829	0.01	0.01
	0.114		0.114		0.114	0	0.01	0.01
	0.115		0.115		0.115	0	0.01	0.01
	4.48		4.48		4.48	0.56	1	1
	4.65		4.65		4.65	0.56	1	1
	4.7		4.7		4.7	0.56	1	1
	4.2		4.2		4.2	0.56	1	1
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	4.87		4.87		4.87	0.56	1	1
	4.76		4.76		4.76	0.56	1	1

	2.37		2.37		2.37	0.0153	0	0.1
	2.38		2.38		2.38	0.0153	0	0.1
	2.43		2.43		2.43	0.0168	0	0.1
	2.45		2.45		2.45	0.0168	0	0.1
	11.7		11.7		11.7	0.035	0	2
	2.38		2.38		2.38	0.0168	0	0.2
	12.2		12.2		12.2	0.0238	0	1
	11.8		11.8		11.8	0.035	0	2
	2.38		2.38		2.38	0.0168	0	0.2
	12.3		12.3		12.3	0.0238	0	1
	11.9		11.9		11.9	0.0153	0	0.1
	11.8		11.8		11.8	0.0153	0	0.1
	14.2		14.2		14.2	0.0168	0	0.1
	14.2		14.2		14.2	0.0168	0	0.1
	71.7		71.7		71.7	0.035	0	2
	12.1		12.1		12.1	0.0168	0	0.2
	108		108		108	0.0238	0	1
	71.9		71.9		71.9	0.035	0	2
	12.1		12.1		12.1	0.0168	0	0.2
	108		108		108	0.0238	0	1
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	0	<	0.1	<	0.1	0.0168	0	0.1
	0	<	2	<	2	0.035	0	2
	0	<	0.2	<	0.2	0.0168	0	0.2
	0	<	1	<	1	0.0238	0	1
	2.34		2.34		2.34	0.0153	0	0.1
	2.3		2.3		2.3	0.0168	0	0.1
	11.7		11.7		11.7	0.035	0	2
	2.36		2.36		2.36	0.0168	0	0.2
	11.6		11.6		11.6	0.0238	0	1
	2.36		2.36		2.36	0.0153	0	0.1
	2.33		2.33		2.33	0.0168	0	0.1
	11.8		11.8		11.8	0.035	0	2
	2.35		2.35		2.35	0.0168	0	0.2
	11.7		11.7		11.7	0.0238	0	1
	7.15		7.15		7.15	0	0	0
	7.15		7.15		7.15	0	0	0
	6.97		6.97		6.97	0	0	0
	7.04		7.04		7.04	0	0	0
	0.0992		0.0992		0.0992	0.000829	0.01	0.01
	0.101		0.101		0.101	0.000829	0.01	0.01
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	0.114		0.114		0.114	0.000829	0.01	0.01
	0.115		0.115		0.115	0.000829	0.01	0.01
	0.0969		0.0969		0.0969	0.000829	0.01	0.01
	0.0992		0.0992		0.0992	0.000829	0.01	0.01
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	0.115		0.115		0.115	0.000829	0.01	0.01
	0.116		0.116		0.116	0.000829	0.01	0.01
	0.0969		0.0969		0.0969	0.000829	0.01	0.01
	0.0992		0.0992		0.0992	0.000829	0.01	0.01
	0.109		0.109		0.109	0.000829	0.01	0.01

	0.11		0.11		0.11	0.000829	0.01	0.01
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	0.115		0.115		0.115	0	0.01	0.01
	0.116		0.116		0.116	0	0.01	0.01
	0.00102		0.00102		0.00102	3.36E-05	0.0002	0.0002
	0.00105		0.00105		0.00105	3.36E-05	0.0002	0.0002
	0.00105		0.00105		0.00105	3.36E-05	0.0002	0.0002
	0.00103		0.00103		0.00103	3.36E-05	0.0002	0.0002
<	0.0002	<	0.0002	<	0.0002	3.36E-05	0.0002	0.0002
	0.00109		0.00109		0.00109	3.36E-05	0.0002	0.0002
	0.00094		0.00094		0.00094	3.36E-05	0.0002	0.0002
	336		336		336	0	0	0
	336		336		336	0	0	0
	0		0		0			
	1410		1410		1410	0	0	0
	1410		1410		1410	0	0	0
	0.13		0.13		0.13	0.0021	0.002	0.002
	0.49		0.49		0.49	0.0043	0.01	0.01
	1.03		1.03		1.03	0.0017	0.01	0.01
	0.023		0.023		0.023	0.0022	0.0025	0.0025
	0.253		0.253		0.253	0.0014	0.001	0.001
	0.254		0.254		0.254	0.0022	0.005	0.005
	0.102		0.102		0.102	0.0009	0.005	0.005
	0.13		0.13		0.13	0.0014	0.005	0.005
	0.252		0.252		0.252	0.0019	0.005	0.005
	0.514		0.514		0.514	0.0074	0.005	0.005
	0.246		0.246		0.246	0.0166	0.05	0.05
	0.439		0.439		0.439	0.0131	0.01	0.01
	0.317		0.317		0.317	0.0124	0.025	0.025
	0.508		0.508		0.508	0.0189	0.05	0.05
	0.265		0.265		0.265	0.0015	0.005	0.005
	0.259		0.259		0.259	0.0071	0.005	0.005
	0.131		0.131		0.131	0.0021	0.002	0.002
	0.508		0.508		0.508	0.0043	0.01	0.01
	1.02		1.02		1.02	0.0017	0.01	0.01
	0.025		0.025		0.025	0.0022	0.0025	0.0025
	0.255		0.255		0.255	0.0014	0.001	0.001
	0.253		0.253		0.253	0.0022	0.005	0.005
	0.102		0.102		0.102	0.0009	0.005	0.005
	0.129		0.129		0.129	0.0014	0.005	0.005
	0.252		0.252		0.252	0.0019	0.005	0.005
	0.525		0.525		0.525	0.0074	0.005	0.005
	0.259		0.259		0.259	0.0166	0.05	0.05
	0.449		0.449		0.449	0.0131	0.01	0.01
	0.316		0.316		0.316	0.0124	0.025	0.025
	0.515		0.515		0.515	0.0189	0.05	0.05
	0.264		0.264		0.264	0.0015	0.005	0.005
	0.253		0.253		0.253	0.0071	0.005	0.005
	0.122		0.122		0.122	0.0021	0.002	0.002
	0.517		0.517		0.517	0.0043	0.01	0.01
	1.05		1.05		1.05	0.0017	0.01	0.01
	0.022		0.022		0.022	0.0022	0.0025	0.0025

	0.241		0.241		0.241	0.0014	0.001	0.001
	0.243		0.243		0.243	0.0022	0.005	0.005
	0.1		0.1		0.1	0.0009	0.005	0.005
	0.14		0.14		0.14	0.0014	0.005	0.005
	0.243		0.243		0.243	0.0019	0.005	0.005
	0.506		0.506		0.506	0.0074	0.005	0.005
	0.259		0.259		0.259	0.0166	0.05	0.05
	0.436		0.436		0.436	0.0131	0.01	0.01
	0.303		0.303		0.303	0.0124	0.025	0.025
	0.457		0.457		0.457	0.0189	0.05	0.05
	0.263		0.263		0.263	0.0015	0.005	0.005
	0.241		0.241		0.241	0.0071	0.005	0.005
	0.123		0.123		0.123	0.0021	0.002	0.002
	0.492		0.492		0.492	0.0043	0.01	0.01
	1.05		1.05		1.05	0.0017	0.01	0.01
	0.026		0.026		0.026	0.0022	0.0025	0.0025
	0.242		0.242		0.242	0.0014	0.001	0.001
	0.242		0.242		0.242	0.0022	0.005	0.005
	0.099		0.099		0.099	0.0009	0.005	0.005
	0.139		0.139		0.139	0.0014	0.005	0.005
	0.246		0.246		0.246	0.0019	0.005	0.005
	0.507		0.507		0.507	0.0074	0.005	0.005
	0.245		0.245		0.245	0.0166	0.05	0.05
	0.462		0.462		0.462	0.0131	0.01	0.01
	0.302		0.302		0.302	0.0124	0.025	0.025
	0.489		0.489		0.489	0.0189	0.05	0.05
	0.261		0.261		0.261	0.0015	0.005	0.005
	0.24		0.24		0.24	0.0071	0.005	0.005
<	0.002	<	0.002	<	0.002	0.0021	0.002	0.002
<	0.01	<	0.01	<	0.01	0.0043	0.01	0.01
<	0.01	<	0.01	<	0.01	0.0017	0.01	0.01
<	0.0025	<	0.0025	<	0.0025	0.0022	0.0025	0.0025
<	0.001	<	0.001	<	0.001	0.0014	0.001	0.001
<	0.005	<	0.005	<	0.005	0.0022	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0009	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0014	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0019	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0074	0.005	0.005
<	0.05	<	0.05	<	0.05	0.0166	0.05	0.05
<	0.01	<	0.01	<	0.01	0.0131	0.01	0.01
<	0.025	<	0.025	<	0.025	0.0124	0.025	0.025
<	0.05	<	0.05	<	0.05	0.0189	0.05	0.05
<	0.005	<	0.005	<	0.005	0.0015	0.005	0.005
<	0.005	<	0.005	<	0.005	0.0071	0.005	0.005
	0.126		0.126		0.126	0.0021	0.002	0.002
	1.03		1.03		1.03	0.0043	0.01	0.01
	1.01		1.01		1.01	0.0017	0.01	0.01
	0.996		0.996		0.996	0.0022	0.0025	0.0025
	1.03		1.03		1.03	0.0014	0.001	0.001
	0.994		0.994		0.994	0.0022	0.005	0.005
	1.03		1.03		1.03	0.0009	0.005	0.005
	0.993		0.993		0.993	0.0014	0.005	0.005

	0.989		0.989		0.989	0.0019	0.005	0.005
	1.02		1.02		1.02	0.0074	0.005	0.005
	0.983		0.983		0.983	0.0166	0.05	0.05
	0.984		0.984		0.984	0.0131	0.01	0.01
	1.01		1.01		1.01	0.0124	0.025	0.025
	1.02		1.02		1.02	0.0189	0.05	0.05
	1.01		1.01		1.01	0.0015	0.005	0.005
	0.992		0.992		0.992	0	0.005	0.005
	0.129		0.129		0.129	0.0021	0.002	0.002
	1.06		1.06		1.06	0.0043	0.01	0.01
	1.04		1.04		1.04	0.0017	0.01	0.01
	1.02		1.02		1.02	0.0022	0.0025	0.0025
	1.06		1.06		1.06	0.0014	0.001	0.001
	1.02		1.02		1.02	0.0022	0.005	0.005
	1.05		1.05		1.05	0.0009	0.005	0.005
	1.01		1.01		1.01	0.0014	0.005	0.005
	1.02		1.02		1.02	0.0019	0.005	0.005
	1.03		1.03		1.03	0.0074	0.005	0.005
	1.01		1.01		1.01	0.0166	0.05	0.05
	1.06		1.06		1.06	0.0131	0.01	0.01
	1.04		1.04		1.04	0.0124	0.025	0.025
	1.06		1.06		1.06	0.0189	0.05	0.05
	0.996		0.996		0.996	0.0015	0.005	0.005
	1.01		1.01		1.01	0.0071	0.005	0.005
	4.87		4.87		4.87	0.56	1	1
	4.76		4.76		4.76	0.56	1	1
	4.2		4.2		4.2	0.56	1	1
	4.59		4.59		4.59	0.56	1	1
<	1	<	1	<	1	0.56	1	1
	4.76		4.76		4.76	0.56	1	1
	4.59		4.59		4.59	0.56	1	1
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	78		78		78	4	4	4
	78		78		78	3.36	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
	80		80		80	4	4	4
	80		80		80	3.36	4	4
<	1	<	1	<	1	1	1	1
<	1	<	1	<	1	1	1	1
<	4	<	4	<	4	4	4	4
<	4	<	4	<	4	3.36	4	4
<	1	<	1	<	1	1	1	1
	236		236		236	1	1	1
	8		8		8	4	4	4
	244		244		244	3.36	4	4
<	1	<	1	<	1	1	1	1
	220		220		220	1	1	1
	30		30		30	4	4	4
	250		250		250	3.36	4	4
	51.5		51.5		51.5	0.0699	1	1

46.5	46.5	46.5	0.0598	1	1
52.8	52.8	52.8	0.2298	1	1
52.6	52.6	52.6	0.0902	1	1
53.2	53.2	53.2	0.7402	5	5
56.2	56.2	56.2	0.1952	1	1
57.1	57.1	57.1	0.16	1	1
42.4	42.4	42.4	0.8536	10	10
50.4	50.4	50.4	0.1119	5	5
51	51	51	0.0764	1	1
58.5	58.5	58.5	0.1837	1	1
44.5	44.5	44.5	0.3941	5	5
56.5	56.5	56.5	0.484	5	5
54.3	54.3	54.3	0.0975	5	5
48.8	48.8	48.8	0.42007	10	10
50.5	50.5	50.5	0.0736	1	1
51.1	51.1	51.1	0.6888	5	5
56	56	56	0.0504	1	1
53.3	53.3	53.3	0.0598	1	1
50.6	50.6	50.6	0.0299	1	1
52.5	52.5	52.5	0.1006	1	1
38.6	38.6	38.6	0.0665	1	1
52	52	52	0.0557	1	1
49.5	49.5	49.5	0.0475	1	1
50	50	50	0.0846	1	1
52.7	52.7	52.7	0.0423	1	1
51.5	51.5	51.5	0.0495	1	1
47.7	47.7	47.7	0.1213	1	1
52.9	52.9	52.9	0.0933	1	1
48.1	48.1	48.1	0.0495	1	1
50.6	50.6	50.6	0.064	1	1
52.9	52.9	52.9	0.0651	1	1
52.9	52.9	52.9	0.0905	5	5
51.5	51.5	51.5	0.064	1	1
53	53	53	0.0504	1	1
48.5	48.5	48.5	0.0736	1	1
50.9	50.9	50.9	0.1056	1	1
52.5	52.5	52.5	0.0625	1	1
52.7	52.7	52.7	0.0791	1	1
52.6	52.6	52.6	0.046	1	1
51.3	51.3	51.3	0.0696	1	1
46.8	46.8	46.8	0.0217	1	1
51.7	51.7	51.7	0.1253	1	1
51.8	51.8	51.8	0.0566	1	1
103	103	103	0.0363	1	1
49.7	49.7	49.7	0.0859	1	1
54.5	54.5	54.5	0.0394	1	1
53	53	53	0.05046	1	1
51.8	51.8	51.8	0.0672	1	1
50.7	50.7	50.7	0.0283	1	1
52.2	52.2	52.2	0.0679	1	1
49.9	49.9	49.9	0.0406	1	1
51.5	51.5	51.5	0.1033	1	1

48	48	48	0.0423	1	1
48.9	48.9	48.9	0.0557	1	1
45.8	45.8	45.8	0.077	1	1
48.8	48.8	48.8	0.0336	1	1
46.8	46.8	46.8	0.0672	1	1
44.3	44.3	44.3	0.0439	1	1
48.2	48.2	48.2	0.0672	1	1
45	45	45	0.0513	1	1
50.5	50.5	50.5	0.046	1	1
50	50	50	0.0629	1	1
43	43	43	0.04	1	1
49.1	49.1	49.1	0.5379	5	5
34.4	34.4	34.4	0.5035	5	5
37.6	37.6	37.6	0.1663	5	5
40.2	40.2	40.2	0.4166	5	5
37.7	37.7	37.7	0.1758	5	5
50.2	50.2	50.2	0	0	1
49.1	49.1	49.1	0	0	1
47	47	47	0	0	1
51.5	51.5	51.5	0.0699	1	1
48.8	48.8	48.8	0.0598	1	1
51.4	51.4	51.4	0.2298	1	1
51.6	51.6	51.6	0.0902	1	1
52	52	52	0.7402	5	5
53.5	53.5	53.5	0.1952	1	1
58.8	58.8	58.8	0.16	1	1
43.2	43.2	43.2	0.8536	10	10
50.9	50.9	50.9	0.1119	5	5
51.9	51.9	51.9	0.0764	1	1
57.2	57.2	57.2	0.1837	1	1
45.1	45.1	45.1	0.3941	5	5
55.1	55.1	55.1	0.484	5	5
52.2	52.2	52.2	0.0975	5	5
47.8	47.8	47.8	0.42007	10	10
51.4	51.4	51.4	0.0736	1	1
51.5	51.5	51.5	0.6888	5	5
55.9	55.9	55.9	0.0504	1	1
53.4	53.4	53.4	0.0598	1	1
51.1	51.1	51.1	0.0299	1	1
53.3	53.3	53.3	0.1006	1	1
38.5	38.5	38.5	0.0665	1	1
51.7	51.7	51.7	0.0557	1	1
49.8	49.8	49.8	0.0475	1	1
50.5	50.5	50.5	0.0846	1	1
53.2	53.2	53.2	0.0423	1	1
51.6	51.6	51.6	0.0495	1	1
48.5	48.5	48.5	0.1213	1	1
53.2	53.2	53.2	0.0933	1	1
48.5	48.5	48.5	0.0495	1	1
50.4	50.4	50.4	0.064	1	1
53.4	53.4	53.4	0.0651	1	1
53.2	53.2	53.2	0.0905	5	5

52	52	52	0.064	1	1
53	53	53	0.0504	1	1
49.4	49.4	49.4	0.0736	1	1
51.2	51.2	51.2	0.1056	1	1
52.8	52.8	52.8	0.0625	1	1
53.3	53.3	53.3	0.0791	1	1
53.2	53.2	53.2	0.046	1	1
51.8	51.8	51.8	0.0696	1	1
47.5	47.5	47.5	0.0217	1	1
52	52	52	0.1253	1	1
52.2	52.2	52.2	0.0566	1	1
104	104	104	0.0363	1	1
50.8	50.8	50.8	0.0859	1	1
54.9	54.9	54.9	0.0394	1	1
53.7	53.7	53.7	0.05046	1	1
51.9	51.9	51.9	0.0672	1	1
51.4	51.4	51.4	0.0283	1	1
52.1	52.1	52.1	0.0679	1	1
51.1	51.1	51.1	0.0406	1	1
51.5	51.5	51.5	0.1033	1	1
48.9	48.9	48.9	0.0423	1	1
50	50	50	0.0557	1	1
47.2	47.2	47.2	0.077	1	1
50.2	50.2	50.2	0.0336	1	1
47.2	47.2	47.2	0.0672	1	1
46	46	46	0.0439	1	1
48.8	48.8	48.8	0.0672	1	1
46.4	46.4	46.4	0.0513	1	1
51.3	51.3	51.3	0.046	1	1
50.4	50.4	50.4	0.0629	1	1
44.8	44.8	44.8	0.04	1	1
50.5	50.5	50.5	0.5379	5	5
42.1	42.1	42.1	0.5035	5	5
40.5	40.5	40.5	0.1663	5	5
47.1	47.1	47.1	0.4166	5	5
42	42	42	0.1758	5	5
50.2	50.2	50.2	0	0	1
49.2	49.2	49.2	0	0	1
47	47	47	0	0	1
52.1	52.1	52.1	0.0699	1	1
52.7	52.7	52.7	0.0598	1	1
52.2	52.2	52.2	0.2298	1	1
52.4	52.4	52.4	0.0902	1	1
50.6	50.6	50.6	0.7402	5	5
53.8	53.8	53.8	0.1952	1	1
62	62	62	0.16	1	1
43.6	43.6	43.6	0.8536	10	10
51.4	51.4	51.4	0.1119	5	5
53.6	53.6	53.6	0.0764	1	1
58.7	58.7	58.7	0.1837	1	1
50.3	50.3	50.3	0.3941	5	5
58.4	58.4	58.4	0.484	5	5

57.3	57.3	57.3	0.0975	5	5
49.5	49.5	49.5	0.420717	10	10
53.4	53.4	53.4	0.0736	1	1
51	51	51	0.6888	5	5
57.2	57.2	57.2	0.0504	1	1
54.7	54.7	54.7	0.0598	1	1
52.3	52.3	52.3	0.0299	1	1
54.4	54.4	54.4	0.1006	1	1
38.5	38.5	38.5	0.0665	1	1
53.1	53.1	53.1	0.0557	1	1
50.8	50.8	50.8	0.0475	1	1
51.8	51.8	51.8	0.0846	1	1
55.2	55.2	55.2	0.0423	1	1
52.6	52.6	52.6	0.0495	1	1
50.4	50.4	50.4	0.1213	1	1
53.6	53.6	53.6	0.0933	1	1
49.3	49.3	49.3	0.0495	1	1
51.6	51.6	51.6	0.064	1	1
54.5	54.5	54.5	0.0651	1	1
53.6	53.6	53.6	0.0905	5	5
51.9	51.9	51.9	0.064	1	1
53.9	53.9	53.9	0.0504	1	1
49.8	49.8	49.8	0.0736	1	1
53.2	53.2	53.2	0.1056	1	1
54.4	54.4	54.4	0.0625	1	1
55.1	55.1	55.1	0.0791	1	1
54.8	54.8	54.8	0.046	1	1
44.6	44.6	44.6	0.0696	1	1
48.2	48.2	48.2	0.0217	1	1
52.7	52.7	52.7	0.1253	1	1
53	53	53	0.0566	1	1
105	105	105	0.0363	1	1
52	52	52	0.0859	1	1
51.5	51.5	51.5	0.0394	1	1
54.6	54.6	54.6	0.0504	1	1
54.1	54.1	54.1	0.0672	1	1
52.2	52.2	52.2	0.0283	1	1
53.5	53.5	53.5	0.0679	1	1
51.9	51.9	51.9	0.0406	1	1
52.3	52.3	52.3	0.1033	1	1
49.6	49.6	49.6	0.0423	1	1
49.9	49.9	49.9	0.0557	1	1
47.8	47.8	47.8	0.077	1	1
50.1	50.1	50.1	0.0336	1	1
47.8	47.8	47.8	0.0672	1	1
46.9	46.9	46.9	0.0439	1	1
49.4	49.4	49.4	0.0672	1	1
46.9	46.9	46.9	0.0513	1	1
51.9	51.9	51.9	0.046	1	1
51.2	51.2	51.2	0.0629	1	1
45.2	45.2	45.2	0.04	1	1
51	51	51	0.5379	5	5

44.2	44.2	44.2	0.5035	5	5
41.6	41.6	41.6	0.1663	5	5
48.5	48.5	48.5	0.4166	5	5
43.7	43.7	43.7	0.1758	5	5
51	51	51	0	0	1
49.7	49.7	49.7	0	0	1
47.4	47.4	47.4	0	0	1
50.9	50.9	50.9	0.0699	1	1
47.7	47.7	47.7	0.0598	1	1
50.3	50.3	50.3	0.2298	1	1
49.7	49.7	49.7	0.0902	1	1
49.1	49.1	49.1	0.7402	5	5
51.3	51.3	51.3	0.1952	1	1
58	58	58	0.16	1	1
41	41	41	0.8536	10	10
50.3	50.3	50.3	0.1119	5	5
52	52	52	0.0764	1	1
56	56	56	0.1837	1	1
47.5	47.5	47.5	0.3941	5	5
53.9	53.9	53.9	0.484	5	5
55.2	55.2	55.2	0.0975	5	5
46.9	46.9	46.9	0.420717	10	10
51.4	51.4	51.4	0.0736	1	1
49.4	49.4	49.4	0.6888	5	5
55.1	55.1	55.1	0.0504	1	1
52.9	52.9	52.9	0.0598	1	1
51	51	51	0.0299	1	1
53.3	53.3	53.3	0.1006	1	1
36.6	36.6	36.6	0.0665	1	1
50.8	50.8	50.8	0.0557	1	1
49.6	49.6	49.6	0.0475	1	1
50	50	50	0.0846	1	1
53.5	53.5	53.5	0.0423	1	1
51.6	51.6	51.6	0.0495	1	1
48.3	48.3	48.3	0.1213	1	1
53	53	53	0.0933	1	1
48.1	48.1	48.1	0.0495	1	1
50.3	50.3	50.3	0.064	1	1
53.5	53.5	53.5	0.0651	1	1
53	53	53	0.0905	5	5
50.9	50.9	50.9	0.064	1	1
52.1	52.1	52.1	0.0504	1	1
48.7	48.7	48.7	0.0736	1	1
51.3	51.3	51.3	0.1056	1	1
52.8	52.8	52.8	0.0625	1	1
53.5	53.5	53.5	0.0791	1	1
52.9	52.9	52.9	0.046	1	1
43	43	43	0.0696	1	1
47.2	47.2	47.2	0.0217	1	1
51.3	51.3	51.3	0.1253	1	1
51.9	51.9	51.9	0.0566	1	1
103	103	103	0.0363	1	1

	50.5		50.5		50.5	0.0859	1	1
	49.9		49.9		49.9	0.0394	1	1
	53.2		53.2		53.2	0.0504	1	1
	51.7		51.7		51.7	0.0672	1	1
	51.2		51.2		51.2	0.0283	1	1
	51.2		51.2		51.2	0.0679	1	1
	51		51		51	0.0406	1	1
	51.7		51.7		51.7	0.1033	1	1
	48.5		48.5		48.5	0.0423	1	1
	49		49		49	0.0557	1	1
	47.4		47.4		47.4	0.077	1	1
	49.1		49.1		49.1	0.0336	1	1
	46.8		46.8		46.8	0.0672	1	1
	45.5		45.5		45.5	0.0439	1	1
	48.6		48.6		48.6	0.0672	1	1
	45.9		45.9		45.9	0.0513	1	1
	50.5		50.5		50.5	0.046	1	1
	50.1		50.1		50.1	0.0629	1	1
	44.5		44.5		44.5	0.04	1	1
	49.8		49.8		49.8	0.5379	5	5
	42.9		42.9		42.9	0.5035	5	5
	40		40		40	0.1663	5	5
	47.7		47.7		47.7	0.4166	5	5
	42.8		42.8		42.8	0.1758	5	5
	50.4		50.4		50.4	0	0	1
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	49	49	49	0	0	1
	45.4	45.4	45.4	0	0	1
	49.4	49.4	49.4	0.0699	1	1
	47.7	47.7	47.7	0.0598	1	1

43	43	43	0.2298	1	1
42.9	42.9	42.9	0.0902	1	1
45.7	45.7	45.7	0.7402	5	5
44.8	44.8	44.8	0.1952	1	1
55.2	55.2	55.2	0.16	1	1
40.2	40.2	40.2	0.8536	10	10
50.5	50.5	50.5	0.1119	5	5
50.3	50.3	50.3	0.0764	1	1
51.1	51.1	51.1	0.1837	1	1
46.1	46.1	46.1	0.3941	5	5
53.2	53.2	53.2	0.484	5	5
50.1	50.1	50.1	0.0975	5	5
49.4	49.4	49.4	0.4207	10	10
50.5	50.5	50.5	0.0736	1	1
49.2	49.2	49.2	0.6888	5	5
53.8	53.8	53.8	0.0504	1	1
51.2	51.2	51.2	0.0598	1	1
48.9	48.9	48.9	0.0299	1	1
51.6	51.6	51.6	0.1006	1	1
50.5	50.5	50.5	0.0665	1	1
47.5	47.5	47.5	0.0557	1	1
46.6	46.6	46.6	0.0475	1	1
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51.7	51.7	51.7	0.0423	1	1
49.4	49.4	49.4	0.0495	1	1
47.4	47.4	47.4	0.1213	1	1
50.5	50.5	50.5	0.0933	1	1
48.2	48.2	48.2	0.0495	1	1
49.2	49.2	49.2	0.064	1	1
52.3	52.3	52.3	0.0651	1	1
50.5	50.5	50.5	0.0905	5	5
53.2	53.2	53.2	0.064	1	1
53.2	53.2	53.2	0.0504	1	1
47.3	47.3	47.3	0.0736	1	1
49.3	49.3	49.3	0.1056	1	1
49.9	49.9	49.9	0.0625	1	1
52.6	52.6	52.6	0.0791	1	1
52.1	52.1	52.1	0.046	1	1
44.2	44.2	44.2	0.0696	1	1
46.1	46.1	46.1	0.0217	1	1
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50.4	50.4	50.4	0.1033	1	1
47.8	47.8	47.8	0.0423	1	1

48.7		48.7		48.7	0.0557	1	1
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0.01	0.5	95.6		30060	34665		
0.01	1	96.1		30060	34665		
0.0025	0.025	100		30060	34665		
0.001	0.25	90.8		30060	34665		
0.005	0.25	90.4		30060	34665		
0.005	0.1	95		30060	34665		
0.005	0.125	98.4		30060	34665		
0.005	0.25	89.6		30060	34665		
0.005	0.5	99.4		30060	34665		
0.05	0.25	91.2		30060	34665		
0.01	0.5	91.2		30060	34665		
0.025	0.3	92.6667		30060	34665		
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0.005	0.25	88		30060	34665		
0.002	0.125	91.2	3.4	30060	34665		
0.01	0.5	93.6	2.1	30060	34665		
0.01	1	93.7	2.5	30060	34665		
0.0025	0.025	104	3.9	30060	34665		
0.001	0.25	88	3.1	30060	34665		
0.005	0.25	89.6	0.9	30060	34665		
0.005	0.1	91	4.3	30060	34665		
0.005	0.125	96	2.5	30060	34665		
0.005	0.25	90.4	0.9	30060	34665		
0.005	0.5	94.8	4.7	30060	34665		
0.05	0.25	86.8	4.9	30060	34665		
0.01	0.5	95.8	4.9	30060	34665		
0.025	0.3	95	2.5	30060	34665		
0.05	0.5	94.6	3.9	30060	34665		
0.005	0.25	98	2	30060	34665		
0.005	0.25	84.8	3.7	30060	34665		
0.002	0.125	91.2		30060	34665		
0.01	0.5	85.8		30060	34665		
0.01	1	79.6		30060	34665		
0.0025	0.025	100		30060	34665		
0.001	0.25	84.4		30060	34665		
0.005	0.25	84		30060	34665		
0.005	0.1	85		30060	34665		
0.005	0.125	89.6		30060	34665		
0.005	0.25	84		30060	34665		
0.005	0.5	89.4		30060	34665		
0.05	0.25	94.4		30060	34665		
0.01	0.5	84.8		30060	34665		
0.025	0.3	85.6667		30060	34665		
0.05	0.5	80.2		30060	34665		
0.005	0.25	90.8		30060	34665		

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0.01	0.5	88.2	2.8	30060	34665
0.01	1	89.6	11	30060	34665
0.0025	0.025	96	4.1	30060	34665
0.001	0.25	85.6	1.4	30060	34665
0.005	0.25	86.4	2.8	30060	34665
0.005	0.1	90	5.7	30060	34665
0.005	0.125	92.8	3.5	30060	34665
0.005	0.25	86.8	3.3	30060	34665
0.005	0.5	91.4	2.2	30060	34665
0.05	0.25	94.4	0	30060	34665
0.01	0.5	85.6	0.9	30060	34665
0.025	0.3	88.3333	3.1	30060	34665
0.05	0.5	83	3.4	30060	34665
0.005	0.25	92.4	1.7	30060	34665
0.005	0.25	86	0	30060	34665
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0.025	0			30060	34665
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0.005	0			30060	34665
0.002	0.125	99.2		30060	34665
0.01	1	94.7		30060	34665
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0.0025	1	97.7		30060	34665
0.001	1	98.9		30060	34665
0.005	1	98.5		30060	34665
0.005	1	98.7		30060	34665
0.005	1	97.4		30060	34665
0.005	1	97.6		30060	34665
0.005	1	98.8		30060	34665
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0.05	1	98		30060	34665
0.005	1	95.5		30060	34665
0.005	1	98.1		30060	34665
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0.005	1	90.8		30060	34665	
0.005	1	92.4		30060	34665	
0.005	1	90.1		30060	34665	
0.005	1	91.2		30060	34665	
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0.005	1	90.1		30060	34665	
0.2	12.5	82.9208		30091	34685	Matrix spike
0.2	12.5	82.1208	0.8	30091	34685	Matrix spike
0.2	12.5	97.1104		30091	34685	
0.2	12.5	97.1104	0	30091	34685	
0.5	62.5	111.03		30091	34685	
0.2	12.5	105.6		30091	34685	
0.5	62.5	83.5552		30091	34685	
0.5	62.5	119.03	3.7	30091	34685	
0.2	12.5	104.8	0.8	30091	34685	
0.5	62.5	93.1552	2.5	30091	34685	
0.2	0			30091	34685	
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0.2	0			30091	34685	
0.5	0			30091	34685	
0.2	2.5	100.8		30091	34685	
0.2	2.5	100.8		30091	34685	
0.5	12.5	98.4		30091	34685	
0.2	2.5	102.8		30091	34685	
0.5	12.5	100		30091	34685	
0.2	2.5	102.4		30091	34685	
0.2	2.5	101.6		30091	34685	
0.5	12.5	99.2		30091	34685	
0.2	2.5	110		30091	34685	
0.5	12.5	102.4		30091	34685	
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0.2	2.5	108	0.7	30133	34729	
0.2	2.5	106		30133	34729	
0.2	2.5	106	0	30133	34729	
0.2	12.5	117.6		30133	34729	Matrix spike
0.2	12.5	113.6	3.5	30133	34729	Matrix spike
0.2	12.5	110.881		30133	34729	
0.2	12.5	108.481	1.9	30133	34729	
0.2	0			30133	34729	
0.2	0			30133	34729	
0.2	2.5	108		30133	34729	
0.2	2.5	110		30133	34729	
0.2	2.5	108		30133	34729	
0.2	2.5	105.6		30133	34729	
0.002	0.125	106.4		30138	34753	
0.01	0.5	103.2		30138	34753	
0.01	1	103		30138	34753	
0.0025	0.025	96		30138	34753	
0.001	0.25	98		30138	34753	
0.005	0.25	98.8		30138	34753	
0.005	0.1	103		30138	34753	
0.005	0.125	100.8		30138	34753	
0.005	0.25	100		30138	34753	
0.005	0.5	101		30138	34753	
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0.025	0.3	104.333		30138	34753	
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0.002	0.125	101.6	4.6	30138	34753	
0.01	0.5	104.4	1.2	30138	34753	
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0.001	0.25	95.6	2.5	30138	34753	
0.005	0.25	96	2.9	30138	34753	
0.005	0.1	98	5	30138	34753	
0.005	0.125	100	0.8	30138	34753	
0.005	0.25	98.8	1.2	30138	34753	
0.005	0.5	100.6	0.4	30138	34753	
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0.005	0.25	96.8	1.2	30138	34753	
0.002	0.125	108		30138	34753	
0.01	0.5	111.2		30138	34753	
0.01	1	103.5		30138	34753	
0.0025	0.025	104		30138	34753	
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0.005	0.25	98		30138	34753	

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0.005	0.25	101.6		30138	34753
0.002	0.125	107.2	0.7	30138	34753
0.01	0.5	98.4	12.2	30138	34753
0.01	1	104.5	0.9	30138	34753
0.0025	0.025	100	3.9	30138	34753
0.001	0.25	101.2	0.8	30138	34753
0.005	0.25	100.4	2.4	30138	34753
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0.005	0.125	107.2	0.7	30138	34753
0.005	0.25	102.8	1.2	30138	34753
0.005	0.5	106	0	30138	34753
0.05	0.25	102.4	0	30138	34753
0.01	0.5	88.4	9.1	30138	34753
0.025	0.3	99.3333	0.7	30138	34753
0.05	0.5	102.2	1.2	30138	34753
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0.01	0			30138	34753
0.01	0			30138	34753
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0.005	0			30138	34753
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0.01	1	101		30138	34753
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0.005	1	105		30138	34753

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0.025	1	102		30138	34753
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0.005	1	98.1		30138	34753
0.005	1	99.9		30138	34753
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0.005	1	104		30138	34753
0.005	1	106		30138	34753
0.005	1	103		30138	34753
0.005	1	103		30138	34753
0.005	1	102		30138	34753
0.05	1	103		30138	34753
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0.1	2.5	96		30177	34777	
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0.1	2.5	97.2		30384	35010
0.1	2.5	97.2	0	30384	35010
2	12.5	93.6		30384	35010
0.2	2.5	94.4		30384	35010
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0.1	12.5	96.8		30384	35010
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0.1	0			30384	35010
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0.05	0.25	102.4		30402	35034
0.01	0.5	86.6		30402	35034
0.025	0.3	99.6667		30402	35034
0.05	0.5	95.6		30402	35034
0.005	0.25	100.4		30402	35034
0.005	0.25	88.8		30402	35034

0.002	0.125	96.8	0.8	30402	35034
0.01	0.5	97	4.4	30402	35034
0.01	1	98.9	0.2	30402	35034
0.0025	0.025	100	8.3	30402	35034
0.001	0.25	93.6	0.4	30402	35034
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0.005	0.125	100	0.8	30402	35034
0.005	0.25	95.6	1.7	30402	35034
0.005	0.5	101.8	1.6	30402	35034
0.05	0.25	99.6	2.8	30402	35034
0.01	0.5	82.8	4.5	30402	35034
0.025	0.3	100	0.3	30402	35034
0.05	0.5	96.4	0.8	30402	35034
0.005	0.25	101.6	1.2	30402	35034
0.005	0.25	92	3.5	30402	35034
0.002	0.125	94.4		30402	35034
0.01	0.5	90.4		30402	35034
0.01	1	96.4		30402	35034
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0.01	0.5	93.2	3	30402	35034
0.01	1	97.4	1	30402	35034
0.0025	0.025	92	0	30402	35034
0.001	0.25	94.4	0.8	30402	35034
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0.005	0.25	91.2	1.8	30402	35034
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0.01	0			30402	35034
0.01	0			30402	35034
0.0025	0			30402	35034

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0.005	0			30402	35034
0.005	0			30402	35034
0.005	0			30402	35034
0.005	0			30402	35034
0.005	0			30402	35034
0.05	0			30402	35034
0.01	0			30402	35034
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0.005	1	104		30402	35034
0.002	0.125	100		30402	35034
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0.01	1	101		30402	35034
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0.1	0			30415	35042	
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1	0			30415	35042	
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0.2	2.5	94		30415	35042	
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0.1	2.5	94.8		30415	35042	
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0.01	0.12	75.3333	5.4	30417	35043	LCS passe
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0.01	0.12	90		30417	35043	
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0.005	0.25	97.2		30743	35491
0.002	0.125	99.2	0.8	30743	35491
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0.01	1	101	0	30743	35491
0.0025	0.025	96	0	30743	35491
0.001	0.25	98.4	0.4	30743	35491
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0.005	0.1	108	0	30743	35491
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0.025	0.3	103.667	1.6	30743	35491
0.05	0.5	100.2	1	30743	35491
0.005	0.25	105.6	0	30743	35491
0.005	0.25	96.8	0.4	30743	35491

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0.01	0.5	100.2		30743	35491	
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0.005	0.25	95.2		30743	35491	
0.005	0.5	104.2		30743	35491	
0.05	0.25	90		30743	35491	
0.01	0.5	81.2		30743	35491	
0.025	0.3	102		30743	35491	Recovery w
0.05	0.5	93.8		30743	35491	
0.005	0.25	101.6		30743	35491	
0.005	0.25	92		30743	35491	
0.002	0.125	100	1.6	30743	35491	
0.01	0.5	106.2	5.8	30743	35491	
0.01	1	99	1.9	30743	35491	
0.0025	0.025	92	8.3	30743	35491	
0.001	0.25	95.6	1.7	30743	35491	
0.005	0.25	98	2.5	30743	35491	
0.005	0.1	109	1.8	30743	35491	
0.005	0.125	100.8	1.6	30743	35491	
0.005	0.25	99.6	4.5	30743	35491	
0.005	0.5	102.6	1.5	30743	35491	
0.05	0.25	96.8	7.3	30743	35491	
0.01	0.5	85.4	5	30743	35491	
0.025	0.3	94.6667	7.4	30743	35491	Recovery w
0.05	0.5	91.2	2.8	30743	35491	
0.005	0.25	103.6	1.9	30743	35491	
0.005	0.25	94	2.1	30743	35491	
0.002	0			30743	35491	
0.01	0			30743	35491	
0.01	0			30743	35491	
0.0025	0			30743	35491	
0.001	0			30743	35491	
0.005	0			30743	35491	
0.005	0			30743	35491	
0.005	0			30743	35491	
0.005	0			30743	35491	
0.005	0			30743	35491	
0.05	0			30743	35491	
0.01	0			30743	35491	
0.025	0			30743	35491	
0.05	0			30743	35491	
0.005	0			30743	35491	
0.005	0			30743	35491	
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0.01	1	102		30743	35491	
0.0025	1	101		30743	35491	

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0.005	1	101		30743	35491
0.005	1	107		30743	35491
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0.005	1	101		30743	35491
0.002	0.125	99.2		30743	35491
0.01	1	102		30743	35491
0.01	1	99.6		30743	35491
0.0025	1	97.8		30743	35491
0.001	1	103		30743	35491
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0.025	0.3	100.333		30932	35685
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0.005	0.25	92.8		30932	35685
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0.01	0.5	103.2	4.2	30932	35685
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0.0025	0.025	96	4.2	30932	35685
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0.05	0.25	89.2		30932	35685	
0.01	0.5	93		30932	35685	
0.025	0.3	102.667		30932	35685	Recovery w
0.05	0.5	94.6		30932	35685	
0.005	0.25	105.2		30932	35685	
0.005	0.25	98		30932	35685	
0.002	0.125	104.8	3.9	30932	35685	
0.01	0.5	94	5.2	30932	35685	
0.01	1	98.4	0.9	30932	35685	
0.0025	0.025	96	4.2	30932	35685	
0.001	0.25	94.4	0.8	30932	35685	
0.005	0.25	96.8	1.2	30932	35685	
0.005	0.1	101	2.9	30932	35685	
0.005	0.125	101.6	2.2	30932	35685	
0.005	0.25	96.4	0.8	30932	35685	
0.005	0.5	100.8	1.4	30932	35685	
0.05	0.25	94.8	6.1	30932	35685	
0.01	0.5	89.6	3.7	30932	35685	
0.025	0.3	101.333	1.3	30932	35685	Recovery w
0.05	0.5	85	10.7	30932	35685	
0.005	0.25	103.2	1.9	30932	35685	
0.005	0.25	96.8	1.2	30932	35685	
0.002	0			30932	35685	
0.01	0			30932	35685	
0.01	0			30932	35685	
0.0025	0			30932	35685	
0.001	0			30932	35685	
0.005	0			30932	35685	
0.005	0			30932	35685	
0.005	0			30932	35685	
0.005	0			30932	35685	
0.005	0			30932	35685	
0.05	0			30932	35685	
0.01	0			30932	35685	
0.025	0			30932	35685	

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0.005	0			30932	35685
0.005	0			30932	35685
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0.005	1	97.6		30932	35685
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0.01	1	101		30932	35685
0.01	1	104		30932	35685
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0.05	1	94.3		31042	35820
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0.01	1	94.9		31042	35820
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0.005	1	92.9		31042	35820
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0.0025	0.025	96.8		31160	35973
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0.002	0.125	102.4	0.8	31160	35973
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0.005	0.5	105.2	0.8	31160	35973
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lorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within

ıe outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within acceptabl

lorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 99 which is within a

ıo-3-chloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 98 which is v

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ıtside of control limits on CCV(ICV). CCV(ICV) component average is 111 which is within acceptable rar

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Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34775	Date Analyzed:	2007-02-13	Analyzed By:	JG
Prep Batch:	30174	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**256**		mg/L	1	5.00

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34775	Date Analyzed:	2007-02-13	Analyzed By:	JG
Prep Batch:	30174	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**368**		mg/L	1	5.00

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34872	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30255	Sample Preparation:	2007-02-20	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**526**		mg/L	1	5.00

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34775	Date Analyzed:	2007-02-13	Analyzed By:	JG
Prep Batch:	30174	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**510**		mg/L	1	5.00

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34775	Date Analyzed:	2007-02-13	Analyzed By:	JG
Prep Batch:	30174	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**478**	mg/L	1	5.00

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34775	Date Analyzed:	2007-02-13	Analyzed By:	JG
Prep Batch:	30174	Sample Preparation:	2007-02-13	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**420**	mg/L	1	5.00

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34872	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30255	Sample Preparation:	2007-02-20	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**300**	mg/L	1	5.00

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34872	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30255	Sample Preparation:	2007-02-20	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**226**	mg/L	1	5.00

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	34872	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30255	Sample Preparation:	2007-02-20	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**206**	mg/L	1	5.00

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	Sample Preparation:	2007-02-26	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**618**		mg/L	1	5.00

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	Sample Preparation:	2007-02-26	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**446**		mg/L	1	5.00

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	Sample Preparation:	2007-02-26	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**336**		mg/L	1	5.00

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	Sample Preparation:	2007-02-26	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**528**		mg/L	1	5.00

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	Sample Preparation:	2007-02-26	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**264**		mg/L	1	5.00

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	Sample Preparation:	2007-02-26	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**366**		mg/L	1	5.00

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35470	Date Analyzed:	2007-03-02	Analyzed By:	JG
Prep Batch:	30781	Sample Preparation:	2007-03-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**248**		mg/L	1	5.00

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35470	Date Analyzed:	2007-03-02	Analyzed By:	JG
Prep Batch:	30781	Sample Preparation:	2007-03-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**374**		mg/L	1	5.00

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35470	Date Analyzed:	2007-03-02	Analyzed By:	JG
Prep Batch:	30781	Sample Preparation:	2007-03-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1130**		mg/L	1	5.00

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35473	Date Analyzed:	2007-03-08	Analyzed By:	JG
Prep Batch:	30789	Sample Preparation:	2007-03-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**230**		mg/L	1	5.00

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35634	Date Analyzed:	2007-03-13	Analyzed By:	JG
Prep Batch:	30915	Sample Preparation:	2007-03-13	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**158**	mg/L	1	5.00

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35956	Date Analyzed:	2007-03-16	Analyzed By:	JG
Prep Batch:	31206	Sample Preparation:	2007-03-16	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**388**	mg/L	1	5.00

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35956	Date Analyzed:	2007-03-16	Analyzed By:	JG
Prep Batch:	31206	Sample Preparation:	2007-03-16	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**326**	mg/L	1	5.00

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35958	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31208	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**238**	mg/L	1	5.00

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35958	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31208	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**220**	mg/L	1	5.00

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35958	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31208	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**214**	mg/L	1	5.00

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35958	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31208	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**320**	mg/L	1	5.00

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	35958	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31208	Sample Preparation:	2007-03-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**312**	mg/L	1	5.00

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	36139	Date Analyzed:	2007-03-29	Analyzed By:	JG
Prep Batch:	31360	Sample Preparation:	2007-03-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**242**	mg/L	1	5.00

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	36139	Date Analyzed:	2007-03-29	Analyzed By:	JG
Prep Batch:	31360	Sample Preparation:	2007-03-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**214**	mg/L	1	5.00

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	36139	Date Analyzed:	2007-03-29	Analyzed By:	JG
Prep Batch:	31360	Sample Preparation:	2007-03-29	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**72.0**	mg/L	1	5.00

Method Blank (1) QC Batch: 34775

QC Batch:	34775	Date Analyzed:	2007-02-13	Analyzed By:	JG
Prep Batch:	30174	QC Preparation:	2007-02-13	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 34872

QC Batch:	34872	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30255	QC Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 35132

QC Batch:	35132	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30489	QC Preparation:	2007-02-26	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 35470

QC Batch:	35470	Date Analyzed:	2007-03-02	Analyzed By:	JG
Prep Batch:	30781	QC Preparation:	2007-03-02	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 35473

QC Batch:	35473	Date Analyzed:	2007-03-08	Analyzed By:	JG
Prep Batch:	30789	QC Preparation:	2007-03-08	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 35634

QC Batch:	35634	Date Analyzed:	2007-03-13	Analyzed By:	JG
Prep Batch:	30915	QC Preparation:	2007-03-13	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 35956

QC Batch:	35956	Date Analyzed:	2007-03-16	Analyzed By:	JG
Prep Batch:	31206	QC Preparation:	2007-03-16	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 35958

QC Batch:	35958	Date Analyzed:	2007-03-23	Analyzed By:	DR
Prep Batch:	31208	QC Preparation:	2007-03-23	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 36139

QC Batch:	36139	Date Analyzed:	2007-03-29	Analyzed By:	JG
Prep Batch:	31360	QC Preparation:	2007-03-29	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Duplicates (1)

QC Batch: 34775 Date Analyzed: 2007-02-13 Analyzed By: JG
Prep Batch: 30174 QC Preparation: 2007-02-13 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	526	510	mg/L	1	3	20

Duplicates (1)

QC Batch: 34872 Date Analyzed: 2007-02-20 Analyzed By: JG
Prep Batch: 30255 QC Preparation: 2007-02-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	292	300	mg/L	1	3	20

Duplicates (1)

QC Batch: 35132 Date Analyzed: 2007-02-26 Analyzed By: JG
Prep Batch: 30489 QC Preparation: 2007-02-26 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	360	366	mg/L	1	2	20

Duplicates (1)

QC Batch: 35470 Date Analyzed: 2007-03-02 Analyzed By: JG
Prep Batch: 30781 QC Preparation: 2007-03-02 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1130	1130	mg/L	1	0	20

Duplicates (1)

QC Batch: 35473 Date Analyzed: 2007-03-08 Analyzed By: JG
Prep Batch: 30789 QC Preparation: 2007-03-08 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	240	230	mg/L	1	4	20

Duplicates (1)

QC Batch: 35634 Date Analyzed: 2007-03-13 Analyzed By: JG
Prep Batch: 30915 QC Preparation: 2007-03-13 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	156	158	mg/L	1	1	20

Duplicates (1)

QC Batch: 35956 Date Analyzed: 2007-03-16 Analyzed By: JG
Prep Batch: 31206 QC Preparation: 2007-03-16 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	336	326	mg/L	1	3	20

Duplicates (1)

QC Batch: 35958 Date Analyzed: 2007-03-23 Analyzed By: DR
Prep Batch: 31208 QC Preparation: 2007-03-23 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	314	312	mg/L	1	1	20

Duplicates (1)

QC Batch: 36139 Date Analyzed: 2007-03-29 Analyzed By: JG
Prep Batch: 31360 QC Preparation: 2007-03-29 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	218	214	mg/L	1	2	20

Standard (ICV-1)

QC Batch: 34775 Date Analyzed: 2007-02-13 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-02-13

Standard (CCV-1)

QC Batch: 34775 Date Analyzed: 2007-02-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-02-13

Standard (ICV-1)

QC Batch: 34872 Date Analyzed: 2007-02-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-02-20

Standard (CCV-1)

QC Batch: 34872 Date Analyzed: 2007-02-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-02-20

Standard (ICV-1)

QC Batch: 35132 Date Analyzed: 2007-02-26 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-02-26

Standard (CCV-1)

QC Batch: 35132 Date Analyzed: 2007-02-26 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-02-26

Standard (ICV-1)

QC Batch: 35470 Date Analyzed: 2007-03-02 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-03-02

Standard (CCV-1)

QC Batch: 35470 Date Analyzed: 2007-03-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-03-02

Standard (ICV-1)

QC Batch: 35473 Date Analyzed: 2007-03-08 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-03-08

Standard (CCV-1)

QC Batch: 35473 Date Analyzed: 2007-03-08 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	999	100	94.4 - 106	2007-03-08

Standard (ICV-1)

QC Batch: 35634 Date Analyzed: 2007-03-13 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-03-13

Standard (CCV-1)

QC Batch: 35634 Date Analyzed: 2007-03-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-03-13

Standard (ICV-1)

QC Batch: 35956 Date Analyzed: 2007-03-16 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-03-16

Standard (CCV-1)

QC Batch: 35956 Date Analyzed: 2007-03-16 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-03-16

Standard (ICV-1)

QC Batch: 35958 Date Analyzed: 2007-03-23 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	997	100	94.4 - 106	2007-03-23

Standard (CCV-1)

QC Batch: 35958 Date Analyzed: 2007-03-23 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	996	100	94.4 - 106	2007-03-23

Standard (ICV-1)

QC Batch: 36139 Date Analyzed: 2007-03-29 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-03-29

Standard (CCV-1)

QC Batch: 36139 Date Analyzed: 2007-03-29 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-03-29

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	Sample Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.221**	mg/L	1	0.0100

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	Sample Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.175**	mg/L	1	0.0100

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	Sample Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.454**	mg/L	2	0.0100

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	Sample Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.341**	mg/L	2	0.0100

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	Sample Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.462**	mg/L	2	0.0100

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	Sample Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.348**	mg/L	2	0.0100

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34814	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30201	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34814	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30201	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34814	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30201	Sample Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34954	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30329	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.151**	mg/L	1	0.0100

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34954	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30329	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.175**	mg/L	1	0.0100

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34954	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30329	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.104**	mg/L	1	0.0100

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	34954	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30329	Sample Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.285**	mg/L	1	0.0100

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35108	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30465	Sample Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0954**	mg/L	1	0.0100

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35108	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30465	Sample Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.218**	mg/L	1	0.0100

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35108	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30465	Sample Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35150	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30505	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.100**	mg/L	1	0.0100

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35150	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30505	Sample Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35598	Date Analyzed:	2007-03-14	Analyzed By:	SM
Prep Batch:	30848	Sample Preparation:	2007-03-14	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35633	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30908	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35633	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30908	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.217**	mg/L	1	0.0100

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35633	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30908	Sample Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.224**	mg/L	1	0.0100

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.140**	mg/L	1	0.0100

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	Sample Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	36030	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31261	Sample Preparation:	2007-03-29	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	36030	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31261	Sample Preparation:	2007-03-29	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 34810

QC Batch:	34810	Date Analyzed:	2007-02-15	Analyzed By:	SM
Prep Batch:	30197	QC Preparation:	2007-02-15	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 34814

QC Batch:	34814	Date Analyzed:	2007-02-20	Analyzed By:	SM
Prep Batch:	30201	QC Preparation:	2007-02-20	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 34954

QC Batch:	34954	Date Analyzed:	2007-02-23	Analyzed By:	SM
Prep Batch:	30329	QC Preparation:	2007-02-23	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 35108

QC Batch:	35108	Date Analyzed:	2007-02-28	Analyzed By:	SM
Prep Batch:	30465	QC Preparation:	2007-02-28	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 35150

QC Batch:	35150	Date Analyzed:	2007-03-01	Analyzed By:	SM
Prep Batch:	30505	QC Preparation:	2007-03-01	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 35598

QC Batch:	35598	Date Analyzed:	2007-03-14	Analyzed By:	SM
Prep Batch:	30848	QC Preparation:	2007-03-14	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 35633

QC Batch:	35633	Date Analyzed:	2007-03-16	Analyzed By:	SM
Prep Batch:	30908	QC Preparation:	2007-03-16	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 35982

QC Batch:	35982	Date Analyzed:	2007-03-28	Analyzed By:	SM
Prep Batch:	31200	QC Preparation:	2007-03-27	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 36030

QC Batch:	36030	Date Analyzed:	2007-03-29	Analyzed By:	SM
Prep Batch:	31261	QC Preparation:	2007-03-29	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 34810 Date Analyzed: 2007-02-15 Analyzed By: SM
Prep Batch: 30197 QC Preparation: 2007-02-15 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.101	mg/L	1	0.120	<0.000829	84	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0915	mg/L	1	0.120	<0.000829	76	65.5 - 111	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34814 Date Analyzed: 2007-02-20 Analyzed By: SM
Prep Batch: 30201 QC Preparation: 2007-02-20 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.123	mg/L	1	0.120	<0.000829	102	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.113	mg/L	1	0.120	<0.000829	94	65.5 - 111	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 34954 Date Analyzed: 2007-02-23 Analyzed By: SM
Prep Batch: 30329 QC Preparation: 2007-02-23 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0856	mg/L	1	0.120	<0.000829	71	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0904	mg/L	1	0.120	<0.000829	75	65.5 - 111	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35108 Date Analyzed: 2007-02-28 Analyzed By: SM
Prep Batch: 30465 QC Preparation: 2007-02-28 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.112	mg/L	1	0.120	<0.000829	93	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.108	mg/L	1	0.120	<0.000829	90	65.5 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35150 Date Analyzed: 2007-03-01 Analyzed By: SM
Prep Batch: 30505 QC Preparation: 2007-03-01 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.115	mg/L	1	0.120	<0.000829	96	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.119	mg/L	1	0.120	<0.000829	99	65.5 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35598 Date Analyzed: 2007-03-14 Analyzed By: SM
Prep Batch: 30848 QC Preparation: 2007-03-14 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0866	mg/L	1	0.120	<0.000829	72	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0914	mg/L	1	0.120	<0.000829	76	65.5 - 111	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35633 Date Analyzed: 2007-03-16 Analyzed By: SM
Prep Batch: 30908 QC Preparation: 2007-03-16 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0898	mg/L	1	0.120	<0.000829	75	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.106	mg/L	1	0.120	<0.000829	88	65.5 - 111	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35982 Date Analyzed: 2007-03-28 Analyzed By: SM
Prep Batch: 31200 QC Preparation: 2007-03-27 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0992	mg/L	1	0.120	<0.000829	83	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0850	mg/L	1	0.120	<0.000829	71	65.5 - 111	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36030 Date Analyzed: 2007-03-29 Analyzed By: SM
Prep Batch: 31261 QC Preparation: 2007-03-29 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0969	mg/L	1	0.120	<0.000829	81	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0992	mg/L	1	0.120	<0.000829	83	65.5 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34810 Date Analyzed: 2007-02-15 Analyzed By: SM
Prep Batch: 30197 QC Preparation: 2007-02-15 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide [1]	0.267	mg/L	1	0.120	<0.000829	222	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide [2]	0.258	mg/L	1	0.120	<0.000829	215	46.6 - 132	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 116575

QC Batch: 34814 Date Analyzed: 2007-02-20 Analyzed By: SM
Prep Batch: 30201 QC Preparation: 2007-02-20 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.156	mg/L	1	0.120	<0.000829	130	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.139	mg/L	1	0.120	<0.000829	116	46.6 - 132	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 34954 Date Analyzed: 2007-02-23 Analyzed By: SM
Prep Batch: 30329 QC Preparation: 2007-02-23 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide [3]	0.149	mg/L	1	0.120	0.104	38	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide [4]	0.150	mg/L	1	0.120	0.104	38	46.6 - 132	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117623

QC Batch: 35108 Date Analyzed: 2007-02-28 Analyzed By: SM
Prep Batch: 30465 QC Preparation: 2007-02-28 Prepared By: SM

[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.129	mg/L	1	0.120	<0.000829	108	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.125	mg/L	1	0.120	<0.000829	104	46.6 - 132	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 117757

QC Batch: 35150 Date Analyzed: 2007-03-01 Analyzed By: SM
Prep Batch: 30505 QC Preparation: 2007-03-01 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.105	mg/L	1	0.120	<0.000829	88	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0959	mg/L	1	0.120	<0.000829	80	46.6 - 132	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118318

QC Batch: 35598 Date Analyzed: 2007-03-14 Analyzed By: SM
Prep Batch: 30848 QC Preparation: 2007-03-14 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0698	mg/L	1	0.120	<0.000829	58	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0706	mg/L	1	0.120	<0.000829	59	46.6 - 132	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118910

QC Batch: 35633 Date Analyzed: 2007-03-16 Analyzed By: SM
Prep Batch: 30908 QC Preparation: 2007-03-16 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.351	mg/L	2	0.120	0.224	106	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.358	mg/L	2	0.120	0.224	112	46.6 - 132	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35982 Date Analyzed: 2007-03-28 Analyzed By: SM
Prep Batch: 31200 QC Preparation: 2007-03-27 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0829	mg/L	1	0.120	<0.000829	69	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0850	mg/L	1	0.120	<0.000829	71	46.6 - 132	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120082

QC Batch: 36030 Date Analyzed: 2007-03-29 Analyzed By: SM
Prep Batch: 31261 QC Preparation: 2007-03-29 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.109	mg/L	1	0.120	<0.000829	91	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.110	mg/L	1	0.120	<0.000829	92	46.6 - 132	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 34810 Date Analyzed: 2007-02-15 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-02-15

Standard (CCV-1)

QC Batch: 34810 Date Analyzed: 2007-02-15 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.123	102	85 - 115	2007-02-15

Standard (ICV-1)

QC Batch: 34814 Date Analyzed: 2007-02-20 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.130	108	85 - 115	2007-02-20

Standard (CCV-1)

QC Batch: 34814 Date Analyzed: 2007-02-20 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.126	105	85 - 115	2007-02-20

Standard (ICV-1)

QC Batch: 34954 Date Analyzed: 2007-02-23 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.103	86	85 - 115	2007-02-23

Standard (CCV-1)

QC Batch: 34954 Date Analyzed: 2007-02-23 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.108	90	85 - 115	2007-02-23

Standard (ICV-1)

QC Batch: 35108 Date Analyzed: 2007-02-28 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.112	93	85 - 115	2007-02-28

Standard (CCV-1)

QC Batch: 35108 Date Analyzed: 2007-02-28 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.111	92	85 - 115	2007-02-28

Standard (ICV-1)

QC Batch: 35150 Date Analyzed: 2007-03-01 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.111	92	85 - 115	2007-03-01

Standard (CCV-1)

QC Batch: 35150 Date Analyzed: 2007-03-01 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.113	94	85 - 115	2007-03-01

Standard (ICV-1)

QC Batch: 35598 Date Analyzed: 2007-03-14 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.112	93	85 - 115	2007-03-14

Standard (CCV-1)

QC Batch: 35598 Date Analyzed: 2007-03-14 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.111	92	85 - 115	2007-03-14

Standard (ICV-1)

QC Batch: 35633 Date Analyzed: 2007-03-16 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.106	88	85 - 115	2007-03-16

Standard (CCV-1)

QC Batch: 35633 Date Analyzed: 2007-03-16 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.106	88	85 - 115	2007-03-16

Standard (ICV-1)

QC Batch: 35982 Date Analyzed: 2007-03-28 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.114	95	85 - 115	2007-03-28

Standard (CCV-1)

QC Batch: 35982 Date Analyzed: 2007-03-28 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-03-28

Standard (ICV-1)

QC Batch: 36030 Date Analyzed: 2007-03-29 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-03-29

Standard (CCV-1)

QC Batch: 36030 Date Analyzed: 2007-03-29 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.116	97	85 - 115	2007-03-29

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 12, 2007

Work Order: 7021204

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116108	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-02-08
116109	MNPL-MPL-TB-07-692	water	2007-02-08	14:55	2007-02-08
116110	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-02-09
116111	MNPL-MPL-TB-07-693	water	2007-02-09	10:45	2007-02-09
116333	MNPL-MPL-MPL-028-0207	water	2007-02-13	09:57	2007-02-13
116334	MNPL-MPL-TB-07-718	water	2007-02-13	09:57	2007-02-13
116335	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-02-12
116336	MNPL-MPL-TB-07-696	water	2007-02-12	14:15	2007-02-12
116337	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-02-12
116338	MNPL-MPL-TB-07-695	water	2007-02-12	10:07	2007-02-12
116339	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-02-12
116340	MNPL-MPL-TB-07-694	water	2007-02-12	10:07	2007-02-12
116575	MNPL-MPL-MPL-017-0207	water	2007-02-15	13:55	2007-02-15
116576	MNPL-MPL-TB-07-075	water	2007-02-15	13:55	2007-02-15
116577	MNPL-MPL-MPL-006-0207	water	2007-02-14	11:53	2007-02-14
116578	MNPL-MPL-TB-07-699	water	2007-02-14	11:53	2007-02-14
116579	MNPL-MPL-MPL-018-0207	water	2007-02-16	10:01	2007-02-14
116580	MNPL-MPL-TB-07-706	water	2007-02-16	10:01	2007-02-14
117175	MNPL-MPL-MPL-007-0207	water	2007-02-20	10:59	2007-02-20
117176	MNPL-MPL-TB-07-700	water	2007-02-20	10:59	2007-02-20
117177	MNPL-MPL-MPL-030-0207	water	2007-02-20	15:05	2007-02-20
117178	MNPL-MPL-TB-07-720	water	2007-02-20	15:05	2007-02-20
117284	MNPL-MPL-MPL-016-0207	water	2007-02-21	10:46	2007-02-21
117285	MNPL-MPL-TB-07-703	water	2007-02-21	10:46	2007-02-21
117286	MNPL-MPL-MPL-029-0207	water	2007-02-21	15:20	2007-02-21
117287	MNPL-MPL-TB-07-719	water	2007-02-21	15:20	2007-02-21
117465	MNPL-MPL-MPL-013-0207	water	2007-02-22	11:18	2007-02-22
117466	MNPL-MPL-TB-07-702	water	2007-02-22	11:18	2007-02-22
117467	MNPL-MPL-MPL-010-0207	water	2007-02-22	15:45	2007-02-23
117468	MNPL-MPL-TB-07-701	water	2007-02-22	15:45	2007-02-23
117623	MNPL-MPL-T-040-0207	water	2007-02-26	11:15	2007-02-27
117624	MNPL-MPL-TB-07-721	water	2007-02-26	11:15	2007-02-27

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
117755	MNPL-MPL-MPL-005-0207	water	2007-02-27	14:40	2007-02-27
117756	MNPL-MPL-TB-07-698	water	2007-02-27	14:40	2007-02-27
117757	MNPL-MPL-MPL-026-0207	water	2007-02-27	09:43	2007-02-27
117758	MNPL-MPL-TB-07-717	water	2007-02-27	09:43	2007-02-27
118395	MNPL-MPL-MPL-021-0207	water	2007-03-07	10:40	2007-03-07
118683	MNPL-MPL-MPL-022-0307	water	2007-03-09	10:45	2007-03-09
118684	MNPL-MPL-TB-07-712	water	2007-03-09	10:45	2007-03-09
118689	MNPL-MPL-TB-07-710	water	2007-03-07	10:40	2007-03-07
118908	MNPL-MPL-MPL-020-0307	water	2007-03-13	13:35	2007-03-13
118909	MNPL-MPL-TB-07-708	water	2007-03-13	13:35	2007-03-13
118910	MNPL-MPL-MPL-120-0307	water	2007-03-13	13:35	2007-03-13
118911	MNPL-MPL-TB-07-709	water	2007-03-13	13:35	2007-03-13
119228	MNPL-MPL-MPL-019-0307	water	2007-03-19	13:50	2007-03-19
119229	MNPL-MPL-TB-07-707	water	2007-03-19	13:50	2007-03-19
119421	MNPL-MPL-MPL-123-0307	water	2007-03-20	14:30	2007-03-20
119422	MNPL-MPL-TB-07-714	water	2007-03-20	14:30	2007-03-20
119424	MNPL-MPL-MPL-023-0307	water	2007-03-20	14:30	2007-03-20
119425	MNPL-MPL-TB-07-713	water	2007-03-20	14:30	2007-03-20
119540	MNPL-MPL-MPL-024-0207	water	2007-03-21	14:00	2007-03-21
119541	MNPL-MPL-TB-07-715	water	2007-03-21	14:00	2007-03-21
119830	MNPL-MPL-MPL-025-0307	water	2007-03-22	14:00	2007-03-22
119831	MNPL-MPL-TB-07-716	water	2007-03-22	14:00	2007-03-22
119832	SGTP-6678-SMW-004-0307	water	2007-03-23	13:15	2007-03-23
120040	SGTP-6678-SMW-001-0307	water	2007-03-26	11:20	2007-03-26
120041	MNPL-MPL-RB-001-0307	water	2007-03-26	14:30	2007-03-26
120042	MNPL-MPL-TB-07-729	water	2007-03-26	14:30	2007-03-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 187 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116108 - MNPL-MPL-MPL-001-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 116108 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.9	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		50.7	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	µg/L	1	50.0	96	84.6 - 114

Sample: 116109 - MNPL-MPL-TB-07-692

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00

continued . . .

sample 116109 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 116109 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.1	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.9	µg/L	1	50.0	96	84.6 - 114

Sample: 116110 - MNPL-MPL-MPL-002-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0

continued . . .

sample 116110 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 116110 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.0	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Sample: 116111 - MNPL-MPL-TB-07-693

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00

continued . . .

sample 116111 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.9	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Sample: 116333 - MNPL-MPL-MPL-028-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 116333 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.0	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.5	µg/L	1	50.0	95	84.6 - 114

Sample: 116334 - MNPL-MPL-TB-07-718

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 116334 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.3	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.3	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.9	µg/L	1	50.0	94	84.6 - 114

Sample: 116335 - MNPL-MPL-MPL-004-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00

continued ...

sample 116335 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00

continued . . .

sample 116335 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.6	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 116336 - MNPL-MPL-TB-07-696

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone	*B*	**22.5**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 116336 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00

continued . . .

sample 116336 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.6	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.7	µg/L	1	50.0	95	84.6 - 114

Sample: 116337 - MNPL-MPL-MPL-103-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00

continued . . .

sample 116337 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		51.3	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.9	µg/L	1	50.0	96	84.6 - 114

Sample: 116338 - MNPL-MPL-TB-07-695

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone	*B*	**18.9**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 116338 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.0	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.0	µg/L	1	50.0	94	84.6 - 114

Sample: 116339 - MNPL-MPL-MPL-003-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 116339 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 116339 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		51.1	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.1	µg/L	1	50.0	94	84.6 - 114

Sample: 116340 - MNPL-MPL-TB-07-694

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34857	Date Analyzed:	2007-02-18	Analyzed By:	JG
Prep Batch:	30239	Sample Preparation:	2007-02-18	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone	*B*	**19.6**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00

continued . . .

sample 116340 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00

continued ...

sample 116340 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.3	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.1	µg/L	1	50.0	94	84.6 - 114

Sample: 116575 - MNPL-MPL-MPL-017-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	Sample Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00

continued . . .

sample 116575 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.9	µg/L	1	50.0	104	82.4 - 115

continued ...

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	µg/L	1	50.0	96	84.6 - 114

Sample: 116576 - MNPL-MPL-TB-07-075

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	Sample Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**19.7**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 116576 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.3	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.0	µg/L	1	50.0	96	84.6 - 114

Sample: 116577 - MNPL-MPL-MPL-006-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	Sample Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 116577 continued ...

Parameter	Flag	Result	RL Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	µg/L	1	50.0	96	84.6 - 114

Sample: 116578 - MNPL-MPL-TB-07-699

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	Sample Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**21.1**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00

continued ...

sample 116578 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00

continued ...

sample 116578 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.2	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.3	µg/L	1	50.0	97	84.6 - 114

Sample: 116579 - MNPL-MPL-MPL-018-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	Sample Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 116579 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00

continued . . .

sample 116579 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.5	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		51.2	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	µg/L	1	50.0	96	84.6 - 114

Sample: 116580 - MNPL-MPL-TB-07-706

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	Sample Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00

continued . . .

sample 116580 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.7	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.5	µg/L	1	50.0	93	84.6 - 114

Sample: 117175 - MNPL-MPL-MPL-007-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 117175 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.8	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.5	µg/L	1	50.0	91	84.6 - 114

Sample: 117176 - MNPL-MPL-TB-07-700

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 117176 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 117176 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.6	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		50.7	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.7	µg/L	1	50.0	91	84.6 - 114

Sample: 117177 - MNPL-MPL-MPL-030-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00

continued . . .

sample 117177 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00

continued ...

sample 117177 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.9	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.4	µg/L	1	50.0	91	84.6 - 114

Sample: 117178 - MNPL-MPL-TB-07-720

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**22.2**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00

continued . . .

sample 117178 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.2	µg/L	1	50.0	106	82.4 - 115

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.9	µg/L	1	50.0	90	84.6 - 114

Sample: 117284 - MNPL-MPL-MPL-016-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35060	Date Analyzed:	2007-02-25	Analyzed By:	JG
Prep Batch:	30429	Sample Preparation:	2007-02-25	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 117284 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.8	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.4	µg/L	1	50.0	95	84.6 - 114

Sample: 117285 - MNPL-MPL-TB-07-703

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**20.7**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 117285 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.6	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		49.4	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.4	µg/L	1	50.0	91	84.6 - 114

Sample: 117286 - MNPL-MPL-MPL-029-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00

continued . . .

sample 117286 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00

continued ...

sample 117286 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.5	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		49.2	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.9	µg/L	1	50.0	92	84.6 - 114

Sample: 117287 - MNPL-MPL-TB-07-719

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	Sample Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**24.0**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 117287 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00

continued . . .

sample 117287 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.1	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		48.9	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.9	µg/L	1	50.0	90	84.6 - 114

Sample: 117465 - MNPL-MPL-MPL-013-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35097	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30455	Sample Preparation:	2007-02-26	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00

continued . . .

sample 117465 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.5	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		49.0	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 117466 - MNPL-MPL-TB-07-702

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35097	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30455	Sample Preparation:	2007-02-26	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**22.9**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 117466 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.3	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 117467 - MNPL-MPL-MPL-010-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35097	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30455	Sample Preparation:	2007-02-26	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 117467 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 117467 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.2	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		49.3	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Sample: 117468 - MNPL-MPL-TB-07-701

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35097	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30455	Sample Preparation:	2007-02-26	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00

continued ...

sample 117468 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00

continued . . .

sample 117468 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.2	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		50.3	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Sample: 117623 - MNPL-MPL-T-040-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35223	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30569	Sample Preparation:	2007-03-01	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00

continued . . .

sample 117623 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		49.3	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 117624 - MNPL-MPL-TB-07-721

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35223	Date Analyzed:	2007-03-01	Analyzed By:	JG
Prep Batch:	30569	Sample Preparation:	2007-03-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone	B	**22.4**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 117624 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.0	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.4	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.8	µg/L	1	50.0	100	84.6 - 114

Sample: 117755 - MNPL-MPL-MPL-005-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35281	Date Analyzed:	2007-03-05	Analyzed By:	JG
Prep Batch:	30618	Sample Preparation:	2007-03-05	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 117755 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.5	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.8	µg/L	1	50.0	98	84.6 - 114

Sample: 117756 - MNPL-MPL-TB-07-698

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35281	Date Analyzed:	2007-03-05	Analyzed By:	JG
Prep Batch:	30618	Sample Preparation:	2007-03-05	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00

continued ...

sample 117756 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00

continued ...

sample 117756 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.4	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.0	µg/L	1	50.0	96	84.6 - 114

Sample: 117757 - MNPL-MPL-MPL-026-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35281	Date Analyzed:	2007-03-05	Analyzed By:	JG
Prep Batch:	30618	Sample Preparation:	2007-03-05	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 117757 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00

continued . . .

sample 117757 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.1	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.6	µg/L	1	50.0	97	84.6 - 114

Sample: 117758 - MNPL-MPL-TB-07-717

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35281	Date Analyzed:	2007-03-05	Analyzed By:	JG
Prep Batch:	30618	Sample Preparation:	2007-03-05	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00

continued ...

sample 117758 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.5	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.1	µg/L	1	50.0	96	84.6 - 114

Sample: 118395 - MNPL-MPL-MPL-021-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 118395 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.2	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		50.2	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	µg/L	1	50.0	96	84.6 - 114

Sample: 118689 - MNPL-MPL-TB-07-710

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00

continued . . .

sample 118689 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 118689 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.0	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Sample: 118683 - MNPL-MPL-MPL-022-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00

continued . . .

sample 118683 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00

continued . . .

sample 118683 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.1	µg/L	1	50.0	96	82.4 - 115
Toluene-d8		48.5	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.8	µg/L	1	50.0	92	84.6 - 114

Sample: 118684 - MNPL-MPL-TB-07-712

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00

continued . . .

sample 118684 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.8	µg/L	1	50.0	100	82.4 - 115

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.6	µg/L	1	50.0	95	84.6 - 114

Sample: 118908 - MNPL-MPL-MPL-020-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 118908 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.8	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		50.2	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.4	µg/L	1	50.0	95	84.6 - 114

Sample: 118909 - MNPL-MPL-TB-07-708

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone	*B*	**20.2**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 118909 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.3	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.3	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Sample: 118910 - MNPL-MPL-MPL-120-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00

continued . . .

sample 118910 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00

continued . . .

sample 118910 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.9	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		49.7	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 118911 - MNPL-MPL-TB-07-709

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35641	Date Analyzed:	2007-03-15	Analyzed By:	KB
Prep Batch:	30919	Sample Preparation:	2007-03-15	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 118911 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00

continued . . .

sample 118911 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.8	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		49.7	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Sample: 119228 - MNPL-MPL-MPL-019-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00

continued ...

sample 119228 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.8	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.4	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.7	µg/L	1	50.0	89	84.6 - 114

Sample: 119229 - MNPL-MPL-TB-07-707

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 119229 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.2	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		49.8	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.5	µg/L	1	50.0	89	84.6 - 114

Sample: 119421 - MNPL-MPL-MPL-123-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 119421 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 119421 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.7	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.0	µg/L	1	50.0	88	84.6 - 114

Sample: 119422 - MNPL-MPL-TB-07-714

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00

continued ...

sample 119422 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00

continued . . .

sample 119422 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.3	µg/L	1	50.0	89	84.6 - 114

Sample: 119424 - MNPL-MPL-MPL-023-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00

continued . . .

sample 119424 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.5	µg/L	1	50.0	103	82.4 - 115

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.0	µg/L	1	50.0	88	84.6 - 114

Sample: 119425 - MNPL-MPL-TB-07-713

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone	B	**21.0**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 119425 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.6	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		49.8	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.1	µg/L	1	50.0	88	84.6 - 114

Sample: 119540 - MNPL-MPL-MPL-024-0207

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 119540 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.6	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.4	µg/L	1	50.0	89	84.6 - 114

Sample: 119541 - MNPL-MPL-TB-07-715

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	35976	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31220	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone	*B*	**25.0**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00

continued . . .

sample 119541 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00

continued . . .

sample 119541 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.4	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		49.8	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.0	µg/L	1	50.0	88	84.6 - 114

Sample: 119830 - MNPL-MPL-MPL-025-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36102	Date Analyzed:	2007-03-28	Analyzed By:	JG
Prep Batch:	31326	Sample Preparation:	2007-03-28	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 119830 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00

continued . . .

sample 119830 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.7	µg/L	1	50.0	89	84.6 - 114

Sample: 119831 - MNPL-MPL-TB-07-716

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36102	Date Analyzed:	2007-03-28	Analyzed By:	JG
Prep Batch:	31326	Sample Preparation:	2007-03-28	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00

continued . . .

sample 119831 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.8	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		49.1	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.2	µg/L	1	50.0	88	84.6 - 114

Sample: 119832 - SGTP-6678-SMW-004-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36102	Date Analyzed:	2007-03-28	Analyzed By:	JG
Prep Batch:	31326	Sample Preparation:	2007-03-28	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 119832 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.3	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.7	µg/L	1	50.0	89	84.6 - 114

Sample: 120040 - SGTP-6678-SMW-001-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36102	Date Analyzed:	2007-03-28	Analyzed By:	JG
Prep Batch:	31326	Sample Preparation:	2007-03-28	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 120040 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 120040 continued ...

Parameter	Flag	Result	RL Units	Dilution	RL
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.1	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		48.8	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.6	µg/L	1	50.0	87	84.6 - 114

Sample: 120041 - MNPL-MPL-RB-001-0307

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36102	Date Analyzed:	2007-03-28	Analyzed By:	JG
Prep Batch:	31326	Sample Preparation:	2007-03-28	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00

continued ...

sample 120041 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00

continued ...

sample 120041 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.9	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.1	µg/L	1	50.0	88	84.6 - 114

Sample: 120042 - MNPL-MPL-TB-07-729

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36102	Date Analyzed:	2007-03-28	Analyzed By:	JG
Prep Batch:	31326	Sample Preparation:	2007-03-28	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00

continued . . .

sample 120042 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.3	µg/L	1	50.0	103	82.4 - 115

continued ...

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.4	µg/L	1	50.0	89	84.6 - 114

Method Blank (1) QC Batch: 34857

QC Batch: 34857 Date Analyzed: 2007-02-18 Analyzed By: JG
Prep Batch: 30239 QC Preparation: 2007-02-18 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		2.65	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.520	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.6	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.9	µg/L	1	50.0	96	84.6 - 114

Method Blank (1) QC Batch: 34903

QC Batch:	34903	Date Analyzed:	2007-02-20	Analyzed By:	JG
Prep Batch:	30281	QC Preparation:	2007-02-20	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.600	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.8	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.6	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 34999

QC Batch:	34999	Date Analyzed:	2007-02-23	Analyzed By:	JG
Prep Batch:	30372	QC Preparation:	2007-02-23	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.470	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		2.07	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.1	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.7	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.1	µg/L	1	50.0	92	84.6 - 114

Method Blank (1) QC Batch: 35060

QC Batch: 35060 Date Analyzed: 2007-02-25 Analyzed By: JG
Prep Batch: 30429 QC Preparation: 2007-02-25 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.640	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		2.96	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.5	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		49.5	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.6	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 35097

QC Batch:	35097	Date Analyzed:	2007-02-26	Analyzed By:	JG
Prep Batch:	30455	QC Preparation:	2007-02-26	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		2.23	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.540	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		0.840	µg/L	5
Naphthalene		1.80	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.2	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 35223

QC Batch: 35223 Date Analyzed: 2007-03-01 Analyzed By: JG
Prep Batch: 30569 QC Preparation: 2007-03-01 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		2.35	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		3.61	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.420	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		3.03	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.3	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.9	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 35281

QC Batch: 35281 | Date Analyzed: 2007-03-05 | Analyzed By: JG
Prep Batch: 30618 | QC Preparation: 2007-03-05 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		4.00	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		0.790	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.450	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		4.25	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.3	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		50.4	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.2	µg/L	1	50.0	96	84.6 - 114

Method Blank (1) QC Batch: 35641

QC Batch: 35641 Date Analyzed: 2007-03-15 Analyzed By: KB
Prep Batch: 30919 QC Preparation: 2007-03-15 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		4.16	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.280	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.5	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.3	µg/L	1	50.0	97	84.6 - 114

Method Blank (1) QC Batch: 35976

QC Batch: 35976 Date Analyzed: 2007-03-24 Analyzed By: JG
Prep Batch: 31220 QC Preparation: 2007-03-24 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		4.12	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		3.23	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.200	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1

continued . . .

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.5	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.3	µg/L	1	50.0	89	84.6 - 114

Method Blank (1) QC Batch: 36102

QC Batch: 36102 Date Analyzed: 2007-03-28 Analyzed By: JG
Prep Batch: 31326 QC Preparation: 2007-03-28 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		2.79	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.97	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		<0.0736	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		0.540	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.8	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		49.0	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.4	µg/L	1	50.0	91	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 34857 Date Analyzed: 2007-02-18 Analyzed By: JG
Prep Batch: 30239 QC Preparation: 2007-02-18 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	49.7	µg/L	1	50.0	<0.0736	99	83.4 - 114
Benzene	50.9	µg/L	1	50.0	<0.0495	102	83.5 - 115
Trichloroethene (TCE)	49.9	µg/L	1	50.0	<0.0495	100	91.3 - 111
Toluene	45.8	µg/L	1	50.0	<0.0736	92	82 - 110
Chlorobenzene	50.8	µg/L	1	50.0	<0.0217	102	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	49.0	µg/L	1	50.0	<0.0736	98	83.4 - 114	1	20
Benzene	51.0	µg/L	1	50.0	<0.0495	102	83.5 - 115	0	20
Trichloroethene (TCE)	50.2	µg/L	1	50.0	<0.0495	100	91.3 - 111	1	20
Toluene	45.8	µg/L	1	50.0	<0.0736	92	82 - 110	0	20
Chlorobenzene	49.9	µg/L	1	50.0	<0.0217	100	87.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.0	50.6	µg/L	1	50.0	100	101	82.4 - 115
Toluene-d8	50.2	49.9	µg/L	1	50.0	100	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.5	49.5	µg/L	1	50.0	99	99	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 34903 Date Analyzed: 2007-02-20 Analyzed By: JG
Prep Batch: 30281 QC Preparation: 2007-02-20 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	49.8	µg/L	1	50.0	<0.0736	100	83.4 - 114
Benzene	51.4	µg/L	1	50.0	<0.0495	103	83.5 - 115
Trichloroethene (TCE)	50.1	µg/L	1	50.0	<0.0495	100	91.3 - 111
Toluene	46.3	µg/L	1	50.0	<0.0736	93	82 - 110
Chlorobenzene	50.2	µg/L	1	50.0	<0.0217	100	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	48.7	µg/L	1	50.0	<0.0736	97	83.4 - 114	2	20
Benzene	50.1	µg/L	1	50.0	<0.0495	100	83.5 - 115	3	20
Trichloroethene (TCE)	48.9	µg/L	1	50.0	<0.0495	98	91.3 - 111	2	20
Toluene	45.1	µg/L	1	50.0	<0.0736	90	82 - 110	3	20
Chlorobenzene	49.9	µg/L	1	50.0	<0.0217	100	87.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.0	50.0	µg/L	1	50.0	102	100	82.4 - 115
Toluene-d8	50.1	49.8	µg/L	1	50.0	100	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	51.0	50.2	µg/L	1	50.0	102	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 34999 Date Analyzed: 2007-02-23 Analyzed By: JG
Prep Batch: 30372 QC Preparation: 2007-02-23 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.4	µg/L	1	50.0	<0.0736	101	83.4 - 114
Benzene	51.2	µg/L	1	50.0	<0.0495	102	83.5 - 115
Trichloroethene (TCE)	49.5	µg/L	1	50.0	<0.0495	99	91.3 - 111
Toluene	46.0	µg/L	1	50.0	<0.0736	92	82 - 110
Chlorobenzene	49.6	µg/L	1	50.0	<0.0217	99	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	50.7	µg/L	1	50.0	<0.0736	101	83.4 - 114	1	20
Benzene	51.6	µg/L	1	50.0	<0.0495	103	83.5 - 115	1	20
Trichloroethene (TCE)	50.2	µg/L	1	50.0	<0.0495	100	91.3 - 111	1	20
Toluene	46.3	µg/L	1	50.0	<0.0736	93	82 - 110	1	20
Chlorobenzene	50.2	µg/L	1	50.0	<0.0217	100	87.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.6	51.8	µg/L	1	50.0	103	104	82.4 - 115
Toluene-d8	49.6	49.9	µg/L	1	50.0	99	100	89.7 - 108

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	47.9	47.4	µg/L	1	50.0	96	95	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35060 Date Analyzed: 2007-02-25 Analyzed By: JG
Prep Batch: 30429 QC Preparation: 2007-02-25 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.3	µg/L	1	50.0	<0.0699	105	85.7 - 113
Dichlorodifluoromethane	38.3	µg/L	1	50.0	<0.0598	77	60.3 - 134
Chloromethane (methyl chloride)	48.1	µg/L	1	50.0	<0.230	96	72 - 120
Vinyl Chloride	48.1	µg/L	1	50.0	<0.0902	96	64.4 - 132
Bromomethane (methyl bromide)	47.4	µg/L	1	50.0	<0.740	95	65.9 - 133
Chloroethane	49.4	µg/L	1	50.0	<0.195	99	65.3 - 132
Trichlorofluoromethane	55.6	µg/L	1	50.0	<0.160	111	52.7 - 159
Acetone	45.3	µg/L	1	50.0	<0.854	91	10 - 185
Iodomethane (methyl iodide)	50.5	µg/L	1	50.0	<0.112	101	80.9 - 112
Carbon Disulfide	49.7	µg/L	1	50.0	<0.0764	99	73.7 - 120
Acrylonitrile	54.4	µg/L	1	50.0	<0.184	109	75.8 - 121
2-Butanone (MEK)	49.8	µg/L	1	50.0	<0.394	100	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.4	µg/L	1	50.0	<0.484	105	69.3 - 120
2-Hexanone	54.7	µg/L	1	50.0	<0.0975	109	35.6 - 138
trans 1,4-Dichloro-2-butene	45.9	µg/L	1	50.0	<0.420	92	40 - 128
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.0736	101	83.4 - 114
Methylene chloride	45.6	µg/L	1	50.0	<0.689	91	62.6 - 119
MTBE	53.4	µg/L	1	50.0	<0.0504	107	70 - 132
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.0598	101	83.3 - 114
1,1-Dichloroethane	51.8	µg/L	1	50.0	<0.0299	104	87.8 - 113
cis-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.101	103	83.8 - 115
2,2-Dichloropropane	35.4	µg/L	1	50.0	<0.0665	71	37.9 - 136
1,2-Dichloroethane (EDC)	51.4	µg/L	1	50.0	<0.0557	103	82.6 - 122
Chloroform	51.4	µg/L	1	50.0	<0.0475	103	84.8 - 116
1,1,1-Trichloroethane	51.8	µg/L	1	50.0	<0.0846	104	72.9 - 123
1,1-Dichloropropene	50.7	µg/L	1	50.0	<0.0423	101	85.9 - 119
Benzene	50.6	µg/L	1	50.0	<0.0495	101	83.5 - 115
Carbon Tetrachloride	52.6	µg/L	1	50.0	<0.121	105	62.7 - 144
1,2-Dichloropropane	51.2	µg/L	1	50.0	<0.0933	102	88.8 - 114
Trichloroethene (TCE)	49.5	µg/L	1	50.0	<0.0495	99	91.3 - 111
Dibromomethane (methylene bromide)	51.3	µg/L	1	50.0	<0.0640	103	84.2 - 118
Bromodichloromethane	52.3	µg/L	1	50.0	<0.0651	105	79.5 - 127
2-Chloroethyl vinyl ether	51.2	µg/L	1	50.0	<0.0905	102	75.1 - 128
cis-1,3-Dichloropropene	49.3	µg/L	1	50.0	<0.0640	99	83.2 - 119
trans-1,3-Dichloropropene	50.2	µg/L	1	50.0	<0.0504	100	77.4 - 126
Toluene	45.1	µg/L	1	50.0	<0.0736	90	82 - 110
1,1,2-Trichloroethane	50.5	µg/L	1	50.0	<0.106	101	77 - 123
1,3-Dichloropropane	50.7	µg/L	1	50.0	<0.0625	101	81.1 - 124
Dibromochloromethane	51.7	µg/L	1	50.0	<0.0791	103	79 - 129
1,2-Dibromoethane (EDB)	51.0	µg/L	1	50.0	<0.0460	102	78.6 - 126

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Tetrachloroethene (PCE)	48.5	µg/L	1	50.0	<0.0696	97	36.7 - 173
Chlorobenzene	48.6	µg/L	1	50.0	<0.0217	97	87.9 - 109
1,1,1,2-Tetrachloroethane	49.9	µg/L	1	50.0	<0.125	100	80.5 - 125
Ethylbenzene	49.9	µg/L	1	50.0	<0.0566	100	82.4 - 116
m,p-Xylene	100	µg/L	1	100	<0.0363	100	80.5 - 118
Bromoform	50.4	µg/L	1	50.0	<0.0859	101	75.8 - 132
Styrene	51.6	µg/L	1	50.0	<0.0394	103	84.2 - 117
o-Xylene	50.6	µg/L	1	50.0	<0.0505	101	82.1 - 119
1,1,2,2-Tetrachloroethane	51.6	µg/L	1	50.0	<0.0672	103	69.7 - 124
2-Chlorotoluene	48.7	µg/L	1	50.0	<0.0283	97	76.5 - 123
1,2,3-Trichloropropane	47.8	µg/L	1	50.0	<0.0679	96	66.3 - 130
Isopropylbenzene	48.9	µg/L	1	50.0	<0.0406	98	78.3 - 123
Bromobenzene	47.3	µg/L	1	50.0	<0.103	95	79.9 - 122
n-Propylbenzene	48.1	µg/L	1	50.0	<0.0423	96	72.6 - 122
1,3,5-Trimethylbenzene	48.9	µg/L	1	50.0	<0.0557	98	69.6 - 127
tert-Butylbenzene	48.3	µg/L	1	50.0	<0.0770	97	64 - 129
1,2,4-Trimethylbenzene	48.4	µg/L	1	50.0	<0.0336	97	71 - 123
1,4-Dichlorobenzene (para)	46.5	µg/L	1	50.0	<0.0672	93	74 - 118
sec-Butylbenzene	48.1	µg/L	1	50.0	<0.0439	96	59.8 - 129
1,3-Dichlorobenzene (meta)	47.0	µg/L	1	50.0	<0.0672	94	80.2 - 119
p-Isopropyltoluene	48.0	µg/L	1	50.0	<0.0513	96	54.8 - 135
4-Chlorotoluene	47.8	µg/L	1	50.0	<0.0460	96	78.9 - 124
1,2-Dichlorobenzene (ortho)	48.3	µg/L	1	50.0	<0.0629	97	80 - 120
n-Butylbenzene	47.3	µg/L	1	50.0	<0.0400	95	51.1 - 136
1,2-Dibromo-3-chloropropane	46.1	µg/L	1	50.0	<0.538	92	38.2 - 151
1,2,3-Trichlorobenzene	34.8	µg/L	1	50.0	<0.504	70	25.4 - 158
1,2,4-Trichlorobenzene	46.4	µg/L	1	50.0	<0.166	93	38.2 - 140
Naphthalene	37.5	µg/L	1	50.0	<0.417	75	33.3 - 152
Hexachlorobutadiene	45.7	µg/L	1	50.0	<0.176	91	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.4	µg/L	1	50.0	<0.0699	105	85.7 - 113	0	20
Dichlorodifluoromethane	42.6	µg/L	1	50.0	<0.0598	85	60.3 - 134	11	20
Chloromethane (methyl chloride)	50.2	µg/L	1	50.0	<0.230	100	72 - 120	4	20
Vinyl Chloride	50.0	µg/L	1	50.0	<0.0902	100	64.4 - 132	4	20
Bromomethane (methyl bromide)	49.5	µg/L	1	50.0	<0.740	99	65.9 - 133	4	20
Chloroethane	51.8	µg/L	1	50.0	<0.195	104	65.3 - 132	5	20
Trichlorofluoromethane	56.5	µg/L	1	50.0	<0.160	113	52.7 - 159	2	20
Acetone	48.3	µg/L	1	50.0	<0.854	97	10 - 185	6	20
Iodomethane (methyl iodide)	50.7	µg/L	1	50.0	<0.112	101	80.9 - 112	0	20
Carbon Disulfide	50.4	µg/L	1	50.0	<0.0764	101	73.7 - 120	1	20
Acrylonitrile	55.0	µg/L	1	50.0	<0.184	110	75.8 - 121	1	20
2-Butanone (MEK)	50.2	µg/L	1	50.0	<0.394	100	43.7 - 117	1	20
4-Methyl-2-pentanone (MIBK)	51.4	µg/L	1	50.0	<0.484	103	69.3 - 120	2	20
2-Hexanone	53.9	µg/L	1	50.0	<0.0975	108	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	45.4	µg/L	1	50.0	<0.420	91	40 - 128	1	20
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.0736	101	83.4 - 114	0	20
Methylene chloride	45.8	µg/L	1	50.0	<0.689	92	62.6 - 119	0	20

continued ...

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	53.2	µg/L	1	50.0	<0.0504	106	70 - 132	0	20
trans-1,2-Dichloroethene	50.3	µg/L	1	50.0	<0.0598	101	83.3 - 114	0	20
1,1-Dichloroethane	51.5	µg/L	1	50.0	<0.0299	103	87.8 - 113	1	20
cis-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.101	103	83.8 - 115	0	20
2,2-Dichloropropane	34.0	µg/L	1	50.0	<0.0665	68	37.9 - 136	4	20
1,2-Dichloroethane (EDC)	51.5	µg/L	1	50.0	<0.0557	103	82.6 - 122	0	20
Chloroform	51.4	µg/L	1	50.0	<0.0475	103	84.8 - 116	0	20
1,1,1-Trichloroethane	51.6	µg/L	1	50.0	<0.0846	103	72.9 - 123	0	20
1,1-Dichloropropene	51.7	µg/L	1	50.0	<0.0423	103	85.9 - 119	2	20
Benzene	51.1	µg/L	1	50.0	<0.0495	102	83.5 - 115	1	20
Carbon Tetrachloride	53.1	µg/L	1	50.0	<0.121	106	62.7 - 144	1	20
1,2-Dichloropropane	51.2	µg/L	1	50.0	<0.0933	102	88.8 - 114	0	20
Trichloroethene (TCE)	50.2	µg/L	1	50.0	<0.0495	100	91.3 - 111	1	20
Dibromomethane (methylene bromide)	51.8	µg/L	1	50.0	<0.0640	104	84.2 - 118	1	20
Bromodichloromethane	53.3	µg/L	1	50.0	<0.0651	107	79.5 - 127	2	20
2-Chloroethyl vinyl ether	51.2	µg/L	1	50.0	<0.0905	102	75.1 - 128	0	20
cis-1,3-Dichloropropene	49.5	µg/L	1	50.0	<0.0640	99	83.2 - 119	0	20
trans-1,3-Dichloropropene	50.8	µg/L	1	50.0	<0.0504	102	77.4 - 126	1	20
Toluene	45.4	µg/L	1	50.0	<0.0736	91	82 - 110	1	20
1,1,2-Trichloroethane	51.0	µg/L	1	50.0	<0.106	102	77 - 123	1	20
1,3-Dichloropropane	50.4	µg/L	1	50.0	<0.0625	101	81.1 - 124	1	20
Dibromochloromethane	52.0	µg/L	1	50.0	<0.0791	104	79 - 129	1	20
1,2-Dibromoethane (EDB)	51.1	µg/L	1	50.0	<0.0460	102	78.6 - 126	0	20
Tetrachloroethene (PCE)	48.8	µg/L	1	50.0	<0.0696	98	36.7 - 173	1	20
Chlorobenzene	48.8	µg/L	1	50.0	<0.0217	98	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	50.1	µg/L	1	50.0	<0.125	100	80.5 - 125	0	20
Ethylbenzene	50.4	µg/L	1	50.0	<0.0566	101	82.4 - 116	1	20
m,p-Xylene	101	µg/L	1	100	<0.0363	101	80.5 - 118	1	20
Bromoform	51.0	µg/L	1	50.0	<0.0859	102	75.8 - 132	1	20
Styrene	52.1	µg/L	1	50.0	<0.0394	104	84.2 - 117	1	20
o-Xylene	50.9	µg/L	1	50.0	<0.0505	102	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.0672	103	69.7 - 124	0	20
2-Chlorotoluene	49.3	µg/L	1	50.0	<0.0283	99	76.5 - 123	1	20
1,2,3-Trichloropropane	48.1	µg/L	1	50.0	<0.0679	96	66.3 - 130	1	20
Isopropylbenzene	49.9	µg/L	1	50.0	<0.0406	100	78.3 - 123	2	20
Bromobenzene	48.6	µg/L	1	50.0	<0.103	97	79.9 - 122	3	20
n-Propylbenzene	48.9	µg/L	1	50.0	<0.0423	98	72.6 - 122	2	20
1,3,5-Trimethylbenzene	50.0	µg/L	1	50.0	<0.0557	100	69.6 - 127	2	20
tert-Butylbenzene	49.2	µg/L	1	50.0	<0.0770	98	64 - 129	2	20
1,2,4-Trimethylbenzene	49.3	µg/L	1	50.0	<0.0336	99	71 - 123	2	20
1,4-Dichlorobenzene (para)	47.3	µg/L	1	50.0	<0.0672	95	74 - 118	2	20
sec-Butylbenzene	49.5	µg/L	1	50.0	<0.0439	99	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)	47.7	µg/L	1	50.0	<0.0672	95	80.2 - 119	2	20
p-Isopropyltoluene	49.1	µg/L	1	50.0	<0.0513	98	54.8 - 135	2	20
4-Chlorotoluene	49.0	µg/L	1	50.0	<0.0460	98	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	49.5	µg/L	1	50.0	<0.0629	99	80 - 120	2	20
n-Butylbenzene	48.4	µg/L	1	50.0	<0.0400	97	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane	47.5	µg/L	1	50.0	<0.538	95	38.2 - 151	3	20
1,2,3-Trichlorobenzene [1]	54.7	µg/L	1	50.0	<0.504	109	25.4 - 158	44	20

continued . . .

[1] RPD out of control limits due to carryover. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene		50.8	µg/L	1	50.0	<0.166	102	38.2 - 140	9	20
Naphthalene	[2]	47.2	µg/L	1	50.0	<0.417	94	33.3 - 152	23	20
Hexachlorobutadiene		47.2	µg/L	1	50.0	<0.176	94	49.1 - 134	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	52.4	52.0	µg/L	1	50.0	105	104	82.4 - 115
Toluene-d8	49.1	49.5	µg/L	1	50.0	98	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.1	48.7	µg/L	1	50.0	96	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35097 Date Analyzed: 2007-02-26 Analyzed By: JG
Prep Batch: 30455 QC Preparation: 2007-02-26 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	53.4	µg/L	1	50.0	<0.0699	107	85.7 - 113
Dichlorodifluoromethane	42.8	µg/L	1	50.0	<0.0598	86	60.3 - 134
Chloromethane (methyl chloride)	53.9	µg/L	1	50.0	<0.230	108	72 - 120
Vinyl Chloride	53.8	µg/L	1	50.0	<0.0902	108	64.4 - 132
Bromomethane (methyl bromide)	58.8	µg/L	1	50.0	<0.740	118	65.9 - 133
Chloroethane	58.3	µg/L	1	50.0	<0.195	117	65.3 - 132
Trichlorofluoromethane	59.0	µg/L	1	50.0	<0.160	118	52.7 - 159
Acetone	46.9	µg/L	1	50.0	<0.854	94	10 - 185
Iodomethane (methyl iodide)	52.5	µg/L	1	50.0	<0.112	105	80.9 - 112
Carbon Disulfide	52.7	µg/L	1	50.0	<0.0764	105	73.7 - 120
Acrylonitrile	55.2	µg/L	1	50.0	<0.184	110	75.8 - 121
2-Butanone (MEK)	46.5	µg/L	1	50.0	<0.394	93	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.2	µg/L	1	50.0	<0.484	100	69.3 - 120
2-Hexanone	53.6	µg/L	1	50.0	<0.0975	107	35.6 - 138
trans 1,4-Dichloro-2-butene	45.9	µg/L	1	50.0	<0.420	92	40 - 128
1,1-Dichloroethene	52.0	µg/L	1	50.0	<0.0736	104	83.4 - 114
Methylene chloride	48.4	µg/L	1	50.0	<0.689	97	62.6 - 119
MTBE	53.6	µg/L	1	50.0	<0.0504	107	70 - 132
trans-1,2-Dichloroethene	52.5	µg/L	1	50.0	<0.0598	105	83.3 - 114
1,1-Dichloroethane	53.6	µg/L	1	50.0	<0.0299	107	87.8 - 113
cis-1,2-Dichloroethene	53.1	µg/L	1	50.0	<0.101	106	83.8 - 115
2,2-Dichloropropane	38.3	µg/L	1	50.0	<0.0665	77	37.9 - 136
1,2-Dichloroethane (EDC)	53.9	µg/L	1	50.0	<0.0557	108	82.6 - 122
Chloroform	53.8	µg/L	1	50.0	<0.0475	108	84.8 - 116
1,1,1-Trichloroethane	53.3	µg/L	1	50.0	<0.0846	107	72.9 - 123
1,1-Dichloropropene	53.0	µg/L	1	50.0	<0.0423	106	85.9 - 119
Benzene	53.0	µg/L	1	50.0	<0.0495	106	83.5 - 115
Carbon Tetrachloride	55.2	µg/L	1	50.0	<0.121	110	62.7 - 144
1,2-Dichloropropane	53.3	µg/L	1	50.0	<0.0933	107	88.8 - 114

continued ...

[2] RPD out of control limits due to carryover. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Trichloroethene (TCE)	51.2	µg/L	1	50.0	<0.0495	102	91.3 - 111
Dibromomethane (methylene bromide)	53.4	µg/L	1	50.0	<0.0640	107	84.2 - 118
Bromodichloromethane	54.3	µg/L	1	50.0	<0.0651	109	79.5 - 127
2-Chloroethyl vinyl ether	53.3	µg/L	1	50.0	<0.0905	107	75.1 - 128
cis-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.0640	102	83.2 - 119
trans-1,3-Dichloropropene	52.7	µg/L	1	50.0	<0.0504	105	77.4 - 126
Toluene	47.3	µg/L	1	50.0	<0.0736	95	82 - 110
1,1,2-Trichloroethane	51.6	µg/L	1	50.0	<0.106	103	77 - 123
1,3-Dichloropropane	51.1	µg/L	1	50.0	<0.0625	102	81.1 - 124
Dibromochloromethane	52.0	µg/L	1	50.0	<0.0791	104	79 - 129
1,2-Dibromoethane (EDB)	50.6	µg/L	1	50.0	<0.0460	101	78.6 - 126
Tetrachloroethene (PCE)	51.1	µg/L	1	50.0	<0.0696	102	36.7 - 173
Chlorobenzene	49.9	µg/L	1	50.0	<0.0217	100	87.9 - 109
1,1,1,2-Tetrachloroethane	51.0	µg/L	1	50.0	<0.125	102	80.5 - 125
Ethylbenzene	51.5	µg/L	1	50.0	<0.0566	103	82.4 - 116
m,p-Xylene	104	µg/L	1	100	<0.0363	104	80.5 - 118
Bromoform	49.5	µg/L	1	50.0	<0.0859	99	75.8 - 132
Styrene	53.8	µg/L	1	50.0	<0.0394	108	84.2 - 117
o-Xylene	52.4	µg/L	1	50.0	<0.0505	105	82.1 - 119
1,1,2,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.0672	100	69.7 - 124
2-Chlorotoluene	50.6	µg/L	1	50.0	<0.0283	101	76.5 - 123
1,2,3-Trichloropropane	47.7	µg/L	1	50.0	<0.0679	95	66.3 - 130
Isopropylbenzene	51.0	µg/L	1	50.0	<0.0406	102	78.3 - 123
Bromobenzene	48.8	µg/L	1	50.0	<0.103	98	79.9 - 122
n-Propylbenzene	50.4	µg/L	1	50.0	<0.0423	101	72.6 - 122
1,3,5-Trimethylbenzene	51.6	µg/L	1	50.0	<0.0557	103	69.6 - 127
tert-Butylbenzene	51.1	µg/L	1	50.0	<0.0770	102	64 - 129
1,2,4-Trimethylbenzene	51.1	µg/L	1	50.0	<0.0336	102	71 - 123
1,4-Dichlorobenzene (para)	47.9	µg/L	1	50.0	<0.0672	96	74 - 118
sec-Butylbenzene	51.8	µg/L	1	50.0	<0.0439	104	59.8 - 129
1,3-Dichlorobenzene (meta)	48.8	µg/L	1	50.0	<0.0672	98	80.2 - 119
p-Isopropyltoluene	51.3	µg/L	1	50.0	<0.0513	103	54.8 - 135
4-Chlorotoluene	49.7	µg/L	1	50.0	<0.0460	99	78.9 - 124
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	80 - 120
n-Butylbenzene	51.0	µg/L	1	50.0	<0.0400	102	51.1 - 136
1,2-Dibromo-3-chloropropane	45.5	µg/L	1	50.0	<0.538	91	38.2 - 151
1,2,3-Trichlorobenzene	52.2	µg/L	1	50.0	<0.504	104	25.4 - 158
1,2,4-Trichlorobenzene	51.4	µg/L	1	50.0	<0.166	103	38.2 - 140
Naphthalene	44.1	µg/L	1	50.0	<0.417	88	33.3 - 152
Hexachlorobutadiene	52.1	µg/L	1	50.0	<0.176	104	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	53.4	µg/L	1	50.0	<0.0699	107	85.7 - 113	0	20
Dichlorodifluoromethane	42.6	µg/L	1	50.0	<0.0598	85	60.3 - 134	0	20
Chloromethane (methyl chloride)	53.6	µg/L	1	50.0	<0.230	107	72 - 120	1	20
Vinyl Chloride	54.1	µg/L	1	50.0	<0.0902	108	64.4 - 132	1	20
Bromomethane (methyl bromide)	58.4	µg/L	1	50.0	<0.740	117	65.9 - 133	1	20
Chloroethane	57.2	µg/L	1	50.0	<0.195	114	65.3 - 132	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Trichlorofluoromethane	59.9	µg/L	1	50.0	<0.160	120	52.7 - 159	2	20
Acetone	46.5	µg/L	1	50.0	<0.854	93	10 - 185	1	20
Iodomethane (methyl iodide)	51.9	µg/L	1	50.0	<0.112	104	80.9 - 112	1	20
Carbon Disulfide	52.3	µg/L	1	50.0	<0.0764	105	73.7 - 120	1	20
Acrylonitrile	53.5	µg/L	1	50.0	<0.184	107	75.8 - 121	3	20
2-Butanone (MEK)	46.7	µg/L	1	50.0	<0.394	93	43.7 - 117	0	20
4-Methyl-2-pentanone (MIBK)	49.0	µg/L	1	50.0	<0.484	98	69.3 - 120	2	20
2-Hexanone	52.2	µg/L	1	50.0	<0.0975	104	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	44.0	µg/L	1	50.0	<0.420	88	40 - 128	4	20
1,1-Dichloroethene	51.8	µg/L	1	50.0	<0.0736	104	83.4 - 114	0	20
Methylene chloride	48.4	µg/L	1	50.0	<0.689	97	62.6 - 119	0	20
MTBE	52.9	µg/L	1	50.0	<0.0504	106	70 - 132	1	20
trans-1,2-Dichloroethene	51.7	µg/L	1	50.0	<0.0598	103	83.3 - 114	2	20
1,1-Dichloroethane	52.5	µg/L	1	50.0	<0.0299	105	87.8 - 113	2	20
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.101	106	83.8 - 115	1	20
2,2-Dichloropropane	35.9	µg/L	1	50.0	<0.0665	72	37.9 - 136	6	20
1,2-Dichloroethane (EDC)	53.7	µg/L	1	50.0	<0.0557	107	82.6 - 122	0	20
Chloroform	53.4	µg/L	1	50.0	<0.0475	107	84.8 - 116	1	20
1,1,1-Trichloroethane	52.8	µg/L	1	50.0	<0.0846	106	72.9 - 123	1	20
1,1-Dichloropropene	51.9	µg/L	1	50.0	<0.0423	104	85.9 - 119	2	20
Benzene	51.6	µg/L	1	50.0	<0.0495	103	83.5 - 115	3	20
Carbon Tetrachloride	54.3	µg/L	1	50.0	<0.121	109	62.7 - 144	2	20
1,2-Dichloropropane	52.4	µg/L	1	50.0	<0.0933	105	88.8 - 114	2	20
Trichloroethene (TCE)	50.2	µg/L	1	50.0	<0.0495	100	91.3 - 111	2	20
Dibromomethane (methylene bromide)	51.5	µg/L	1	50.0	<0.0640	103	84.2 - 118	4	20
Bromodichloromethane	53.3	µg/L	1	50.0	<0.0651	107	79.5 - 127	2	20
2-Chloroethyl vinyl ether	52.4	µg/L	1	50.0	<0.0905	105	75.1 - 128	2	20
cis-1,3-Dichloropropene	50.1	µg/L	1	50.0	<0.0640	100	83.2 - 119	2	20
trans-1,3-Dichloropropene	51.4	µg/L	1	50.0	<0.0504	103	77.4 - 126	2	20
Toluene	46.3	µg/L	1	50.0	<0.0736	93	82 - 110	2	20
1,1,2-Trichloroethane	51.2	µg/L	1	50.0	<0.106	102	77 - 123	1	20
1,3-Dichloropropane	50.5	µg/L	1	50.0	<0.0625	101	81.1 - 124	1	20
Dibromochloromethane	51.8	µg/L	1	50.0	<0.0791	104	79 - 129	0	20
1,2-Dibromoethane (EDB)	49.7	µg/L	1	50.0	<0.0460	99	78.6 - 126	2	20
Tetrachloroethene (PCE)	50.3	µg/L	1	50.0	<0.0696	101	36.7 - 173	2	20
Chlorobenzene	49.5	µg/L	1	50.0	<0.0217	99	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.125	101	80.5 - 125	1	20
Ethylbenzene	51.4	µg/L	1	50.0	<0.0566	103	82.4 - 116	0	20
m,p-Xylene	104	µg/L	1	100	<0.0363	104	80.5 - 118	0	20
Bromoform	49.0	µg/L	1	50.0	<0.0859	98	75.8 - 132	1	20
Styrene	53.4	µg/L	1	50.0	<0.0394	107	84.2 - 117	1	20
o-Xylene	52.3	µg/L	1	50.0	<0.0505	105	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	49.6	µg/L	1	50.0	<0.0672	99	69.7 - 124	1	20
2-Chlorotoluene	50.3	µg/L	1	50.0	<0.0283	101	76.5 - 123	1	20
1,2,3-Trichloropropane	46.7	µg/L	1	50.0	<0.0679	93	66.3 - 130	2	20
Isopropylbenzene	50.9	µg/L	1	50.0	<0.0406	102	78.3 - 123	0	20
Bromobenzene	48.7	µg/L	1	50.0	<0.103	97	79.9 - 122	0	20
n-Propylbenzene	50.4	µg/L	1	50.0	<0.0423	101	72.6 - 122	0	20
1,3,5-Trimethylbenzene	51.5	µg/L	1	50.0	<0.0557	103	69.6 - 127	0	20
tert-Butylbenzene	50.6	µg/L	1	50.0	<0.0770	101	64 - 129	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trimethylbenzene	50.2	µg/L	1	50.0	<0.0336	100	71 - 123	2	20
1,4-Dichlorobenzene (para)	47.5	µg/L	1	50.0	<0.0672	95	74 - 118	1	20
sec-Butylbenzene	51.2	µg/L	1	50.0	<0.0439	102	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	48.2	µg/L	1	50.0	<0.0672	96	80.2 - 119	1	20
p-Isopropyltoluene	51.2	µg/L	1	50.0	<0.0513	102	54.8 - 135	0	20
4-Chlorotoluene	49.1	µg/L	1	50.0	<0.0460	98	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	49.1	µg/L	1	50.0	<0.0629	98	80 - 120	2	20
n-Butylbenzene	50.5	µg/L	1	50.0	<0.0400	101	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	44.6	µg/L	1	50.0	<0.538	89	38.2 - 151	2	20
1,2,3-Trichlorobenzene	56.5	µg/L	1	50.0	<0.504	113	25.4 - 158	8	20
1,2,4-Trichlorobenzene	50.5	µg/L	1	50.0	<0.166	101	38.2 - 140	2	20
Naphthalene	45.0	µg/L	1	50.0	<0.417	90	33.3 - 152	2	20
Hexachlorobutadiene	51.7	µg/L	1	50.0	<0.176	103	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	53.3	53.0	µg/L	1	50.0	107	106	82.4 - 115
Toluene-d8	49.7	50.0	µg/L	1	50.0	99	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.6	47.5	µg/L	1	50.0	95	95	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35223 Date Analyzed: 2007-03-01 Analyzed By: JG
Prep Batch: 30569 QC Preparation: 2007-03-01 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	48.2	µg/L	1	50.0	<0.0699	96	85.7 - 113
Dichlorodifluoromethane	32.2	µg/L	1	50.0	<0.0598	64	60.3 - 134
Chloromethane (methyl chloride)	44.9	µg/L	1	50.0	<0.230	90	72 - 120
Vinyl Chloride	44.9	µg/L	1	50.0	<0.0902	90	64.4 - 132
Bromomethane (methyl bromide)	44.0	µg/L	1	50.0	<0.740	88	65.9 - 133
Chloroethane	46.6	µg/L	1	50.0	<0.195	93	65.3 - 132
Trichlorofluoromethane	46.5	µg/L	1	50.0	<0.160	93	52.7 - 159
Acetone	46.1	µg/L	1	50.0	<0.854	92	10 - 185
Iodomethane (methyl iodide)	45.9	µg/L	1	50.0	<0.112	92	80.9 - 112
Carbon Disulfide	45.1	µg/L	1	50.0	<0.0764	90	73.7 - 120
Acrylonitrile	51.4	µg/L	1	50.0	<0.184	103	75.8 - 121
2-Butanone (MEK)	43.9	µg/L	1	50.0	<0.394	88	43.7 - 117
4-Methyl-2-pentanone (MIBK)	47.3	µg/L	1	50.0	<0.484	95	69.3 - 120
2-Hexanone	49.7	µg/L	1	50.0	<0.0975	99	35.6 - 138
trans 1,4-Dichloro-2-butene	34.3	µg/L	1	50.0	<0.420	69	40 - 128
1,1-Dichloroethene	45.8	µg/L	1	50.0	<0.0736	92	83.4 - 114
Methylene chloride	44.5	µg/L	1	50.0	<0.689	89	62.6 - 119
MTBE	47.5	µg/L	1	50.0	<0.0504	95	70 - 132
trans-1,2-Dichloroethene	46.7	µg/L	1	50.0	<0.0598	93	83.3 - 114
1,1-Dichloroethane	46.9	µg/L	1	50.0	<0.0299	94	87.8 - 113
cis-1,2-Dichloroethene	47.1	µg/L	1	50.0	<0.101	94	83.8 - 115

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2,2-Dichloropropane	26.0	µg/L	1	50.0	<0.0665	52	37.9 - 136
1,2-Dichloroethane (EDC)	47.9	µg/L	1	50.0	<0.0557	96	82.6 - 122
Chloroform	47.9	µg/L	1	50.0	<0.0475	96	84.8 - 116
1,1,1-Trichloroethane	47.4	µg/L	1	50.0	<0.0846	95	72.9 - 123
1,1-Dichloropropene	46.5	µg/L	1	50.0	<0.0423	93	85.9 - 119
Benzene	46.7	µg/L	1	50.0	<0.0495	93	83.5 - 115
Carbon Tetrachloride	47.4	µg/L	1	50.0	<0.121	95	62.7 - 144
1,2-Dichloropropane	47.7	µg/L	1	50.0	<0.0933	95	88.8 - 114
Trichloroethene (TCE)	45.4	µg/L	1	50.0	<0.0495	91	91.3 - 111
Dibromomethane (methylene bromide)	47.5	µg/L	1	50.0	<0.0640	95	84.2 - 118
Bromodichloromethane	47.9	µg/L	1	50.0	<0.0651	96	79.5 - 127
2-Chloroethyl vinyl ether	47.7	µg/L	1	50.0	<0.0905	95	75.1 - 128
cis-1,3-Dichloropropene	43.0	µg/L	1	50.0	<0.0640	86	83.2 - 119
trans-1,3-Dichloropropene	44.6	µg/L	1	50.0	<0.0504	89	77.4 - 126
Toluene	42.0	µg/L	1	50.0	<0.0736	84	82 - 110
1,1,2-Trichloroethane	48.3	µg/L	1	50.0	<0.106	97	77 - 123
1,3-Dichloropropane	48.0	µg/L	1	50.0	<0.0625	96	81.1 - 124
Dibromochloromethane	47.4	µg/L	1	50.0	<0.0791	95	79 - 129
1,2-Dibromoethane (EDB)	47.3	µg/L	1	50.0	<0.0460	95	78.6 - 126
Tetrachloroethene (PCE)	50.8	µg/L	1	50.0	<0.0696	102	36.7 - 173
Chlorobenzene	46.1	µg/L	1	50.0	<0.0217	92	87.9 - 109
1,1,1,2-Tetrachloroethane	47.0	µg/L	1	50.0	<0.125	94	80.5 - 125
Ethylbenzene	47.6	µg/L	1	50.0	<0.0566	95	82.4 - 116
m,p-Xylene	96.0	µg/L	1	100	<0.0363	96	80.5 - 118
Bromoform	44.8	µg/L	1	50.0	<0.0859	90	75.8 - 132
Styrene	49.6	µg/L	1	50.0	<0.0394	99	84.2 - 117
o-Xylene	47.9	µg/L	1	50.0	<0.0505	96	82.1 - 119
1,1,2,2-Tetrachloroethane	46.3	µg/L	1	50.0	<0.0672	93	69.7 - 124
2-Chlorotoluene	48.3	µg/L	1	50.0	<0.0283	97	76.5 - 123
1,2,3-Trichloropropane	43.8	µg/L	1	50.0	<0.0679	88	66.3 - 130
Isopropylbenzene	47.9	µg/L	1	50.0	<0.0406	96	78.3 - 123
Bromobenzene	46.2	µg/L	1	50.0	<0.103	92	79.9 - 122
n-Propylbenzene	47.9	µg/L	1	50.0	<0.0423	96	72.6 - 122
1,3,5-Trimethylbenzene	48.3	µg/L	1	50.0	<0.0557	97	69.6 - 127
tert-Butylbenzene	47.2	µg/L	1	50.0	<0.0770	94	64 - 129
1,2,4-Trimethylbenzene	47.7	µg/L	1	50.0	<0.0336	95	71 - 123
1,4-Dichlorobenzene (para)	45.0	µg/L	1	50.0	<0.0672	90	74 - 118
sec-Butylbenzene	46.8	µg/L	1	50.0	<0.0439	94	59.8 - 129
1,3-Dichlorobenzene (meta)	45.6	µg/L	1	50.0	<0.0672	91	80.2 - 119
p-Isopropyltoluene	46.7	µg/L	1	50.0	<0.0513	93	54.8 - 135
4-Chlorotoluene	47.2	µg/L	1	50.0	<0.0460	94	78.9 - 124
1,2-Dichlorobenzene (ortho)	44.8	µg/L	1	50.0	<0.0629	90	80 - 120
n-Butylbenzene	46.3	µg/L	1	50.0	<0.0400	93	51.1 - 136
1,2-Dibromo-3-chloropropane	31.6	µg/L	1	50.0	<0.538	63	38.2 - 151
1,2,3-Trichlorobenzene	14.1	µg/L	1	50.0	<0.504	28	25.4 - 158
1,2,4-Trichlorobenzene	26.2	µg/L	1	50.0	<0.166	52	38.2 - 140
Naphthalene	17.7	µg/L	1	50.0	<0.417	35	33.3 - 152
Hexachlorobutadiene	36.6	µg/L	1	50.0	<0.176	73	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.1	µg/L	1	50.0	<0.0699	102	85.7 - 113	6	20
Dichlorodifluoromethane	34.5	µg/L	1	50.0	<0.0598	69	60.3 - 134	7	20
Chloromethane (methyl chloride)	49.6	µg/L	1	50.0	<0.230	99	72 - 120	10	20
Vinyl Chloride	50.6	µg/L	1	50.0	<0.0902	101	64.4 - 132	12	20
Bromomethane (methyl bromide)	50.3	µg/L	1	50.0	<0.740	101	65.9 - 133	13	20
Chloroethane	52.9	µg/L	1	50.0	<0.195	106	65.3 - 132	13	20
Trichlorofluoromethane	53.3	µg/L	1	50.0	<0.160	107	52.7 - 159	14	20
Acetone	50.1	µg/L	1	50.0	<0.854	100	10 - 185	8	20
Iodomethane (methyl iodide)	48.6	µg/L	1	50.0	<0.112	97	80.9 - 112	6	20
Carbon Disulfide	47.0	µg/L	1	50.0	<0.0764	94	73.7 - 120	4	20
Acrylonitrile	55.6	µg/L	1	50.0	<0.184	111	75.8 - 121	8	20
2-Butanone (MEK)	47.4	µg/L	1	50.0	<0.394	95	43.7 - 117	8	20
4-Methyl-2-pentanone (MIBK)	49.0	µg/L	1	50.0	<0.484	98	69.3 - 120	4	20
2-Hexanone	54.7	µg/L	1	50.0	<0.0975	109	35.6 - 138	10	20
trans 1,4-Dichloro-2-butene	36.0	µg/L	1	50.0	<0.420	72	40 - 128	5	20
1,1-Dichloroethene	48.4	µg/L	1	50.0	<0.0736	97	83.4 - 114	6	20
Methylene chloride	46.9	µg/L	1	50.0	<0.689	94	62.6 - 119	5	20
MTBE	50.8	µg/L	1	50.0	<0.0504	102	70 - 132	7	20
trans-1,2-Dichloroethene	49.2	µg/L	1	50.0	<0.0598	98	83.3 - 114	5	20
1,1-Dichloroethane	50.0	µg/L	1	50.0	<0.0299	100	87.8 - 113	6	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.101	102	83.8 - 115	8	20
2,2-Dichloropropane	27.5	µg/L	1	50.0	<0.0665	55	37.9 - 136	6	20
1,2-Dichloroethane (EDC)	50.7	µg/L	1	50.0	<0.0557	101	82.6 - 122	6	20
Chloroform	50.8	µg/L	1	50.0	<0.0475	102	84.8 - 116	6	20
1,1,1-Trichloroethane	49.9	µg/L	1	50.0	<0.0846	100	72.9 - 123	5	20
1,1-Dichloropropene	49.3	µg/L	1	50.0	<0.0423	99	85.9 - 119	6	20
Benzene	49.6	µg/L	1	50.0	<0.0495	99	83.5 - 115	6	20
Carbon Tetrachloride	50.5	µg/L	1	50.0	<0.121	101	62.7 - 144	6	20
1,2-Dichloropropane	50.7	µg/L	1	50.0	<0.0933	101	88.8 - 114	6	20
Trichloroethene (TCE)	47.8	µg/L	1	50.0	<0.0495	96	91.3 - 111	5	20
Dibromomethane (methylene bromide)	50.3	µg/L	1	50.0	<0.0640	101	84.2 - 118	6	20
Bromodichloromethane	50.9	µg/L	1	50.0	<0.0651	102	79.5 - 127	6	20
2-Chloroethyl vinyl ether	50.7	µg/L	1	50.0	<0.0905	101	75.1 - 128	6	20
cis-1,3-Dichloropropene	45.3	µg/L	1	50.0	<0.0640	91	83.2 - 119	5	20
trans-1,3-Dichloropropene	47.3	µg/L	1	50.0	<0.0504	95	77.4 - 126	6	20
Toluene	44.6	µg/L	1	50.0	<0.0736	89	82 - 110	6	20
1,1,2-Trichloroethane	50.7	µg/L	1	50.0	<0.106	101	77 - 123	5	20
1,3-Dichloropropane	50.9	µg/L	1	50.0	<0.0625	102	81.1 - 124	6	20
Dibromochloromethane	50.7	µg/L	1	50.0	<0.0791	101	79 - 129	7	20
1,2-Dibromoethane (EDB)	50.1	µg/L	1	50.0	<0.0460	100	78.6 - 126	6	20
Tetrachloroethene (PCE)	53.3	µg/L	1	50.0	<0.0696	107	36.7 - 173	5	20
Chlorobenzene	48.2	µg/L	1	50.0	<0.0217	96	87.9 - 109	4	20
1,1,1,2-Tetrachloroethane	50.1	µg/L	1	50.0	<0.125	100	80.5 - 125	6	20
Ethylbenzene	50.0	µg/L	1	50.0	<0.0566	100	82.4 - 116	5	20
m,p-Xylene	101	µg/L	1	100	<0.0363	101	80.5 - 118	5	20
Bromoform	47.9	µg/L	1	50.0	<0.0859	96	75.8 - 132	7	20
Styrene	52.4	µg/L	1	50.0	<0.0394	105	84.2 - 117	6	20
o-Xylene	50.9	µg/L	1	50.0	<0.0505	102	82.1 - 119	6	20
1,1,2,2-Tetrachloroethane	49.1	µg/L	1	50.0	<0.0672	98	69.7 - 124	6	20
2-Chlorotoluene	50.2	µg/L	1	50.0	<0.0283	100	76.5 - 123	4	20
1,2,3-Trichloropropane	46.0	µg/L	1	50.0	<0.0679	92	66.3 - 130	5	20

continued ...

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Isopropylbenzene		50.4	µg/L	1	50.0	<0.0406	101	78.3 - 123	5	20
Bromobenzene		48.7	µg/L	1	50.0	<0.103	97	79.9 - 122	5	20
n-Propylbenzene		49.6	µg/L	1	50.0	<0.0423	99	72.6 - 122	4	20
1,3,5-Trimethylbenzene		50.5	µg/L	1	50.0	<0.0557	101	69.6 - 127	4	20
tert-Butylbenzene		48.2	µg/L	1	50.0	<0.0770	96	64 - 129	2	20
1,2,4-Trimethylbenzene		49.9	µg/L	1	50.0	<0.0336	100	71 - 123	4	20
1,4-Dichlorobenzene (para)		47.1	µg/L	1	50.0	<0.0672	94	74 - 118	5	20
sec-Butylbenzene		49.1	µg/L	1	50.0	<0.0439	98	59.8 - 129	5	20
1,3-Dichlorobenzene (meta)		47.8	µg/L	1	50.0	<0.0672	96	80.2 - 119	5	20
p-Isopropyltoluene		48.1	µg/L	1	50.0	<0.0513	96	54.8 - 135	3	20
4-Chlorotoluene		49.2	µg/L	1	50.0	<0.0460	98	78.9 - 124	4	20
1,2-Dichlorobenzene (ortho)		47.2	µg/L	1	50.0	<0.0629	94	80 - 120	5	20
n-Butylbenzene		46.3	µg/L	1	50.0	<0.0400	93	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane		34.9	µg/L	1	50.0	<0.538	70	38.2 - 151	10	20
1,2,3-Trichlorobenzene	[3]	36.6	µg/L	1	50.0	<0.504	73	25.4 - 158	89	20
1,2,4-Trichlorobenzene		31.7	µg/L	1	50.0	<0.166	63	38.2 - 140	19	20
Naphthalene	[4]	29.7	µg/L	1	50.0	<0.417	59	33.3 - 152	51	20
Hexachlorobutadiene		36.0	µg/L	1	50.0	<0.176	72	49.1 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.9	50.2	µg/L	1	50.0	100	100	82.4 - 115
Toluene-d8	48.8	48.6	µg/L	1	50.0	98	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.9	50.8	µg/L	1	50.0	102	102	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35281 Date Analyzed: 2007-03-05 Analyzed By: JG
Prep Batch: 30618 QC Preparation: 2007-03-05 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	55.8	µg/L	1	50.0	<0.0699	112	85.7 - 113
Dichlorodifluoromethane	47.8	µg/L	1	50.0	<0.0598	96	60.3 - 134
Chloromethane (methyl chloride)	53.0	µg/L	1	50.0	<0.230	106	72 - 120
Vinyl Chloride	50.4	µg/L	1	50.0	<0.0902	101	64.4 - 132
Bromomethane (methyl bromide)	47.3	µg/L	1	50.0	<0.740	95	65.9 - 133
Chloroethane	50.6	µg/L	1	50.0	<0.195	101	65.3 - 132
Trichlorofluoromethane	54.2	µg/L	1	50.0	<0.160	108	52.7 - 159
Acetone	49.8	µg/L	1	50.0	<0.854	100	10 - 185
Iodomethane (methyl iodide)	51.9	µg/L	1	50.0	<0.112	104	80.9 - 112
Carbon Disulfide	48.6	µg/L	1	50.0	<0.0764	97	73.7 - 120
Acrylonitrile	55.2	µg/L	1	50.0	<0.184	110	75.8 - 121
2-Butanone (MEK)	48.0	µg/L	1	50.0	<0.394	96	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.6	µg/L	1	50.0	<0.484	105	69.3 - 120

continued ...

[3] RPD out of control limits due to carryover. •
[4] RPD out of control limits due to carryover. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Hexanone	53.6	µg/L	1	50.0	<0.0975	107	35.6 - 138
trans 1,4-Dichloro-2-butene	35.1	µg/L	1	50.0	<0.420	70	40 - 128
1,1-Dichloroethene	49.7	µg/L	1	50.0	<0.0736	99	83.4 - 114
Methylene chloride	45.9	µg/L	1	50.0	<0.689	92	62.6 - 119
MTBE	53.7	µg/L	1	50.0	<0.0504	107	70 - 132
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.0598	101	83.3 - 114
1,1-Dichloroethane	54.5	µg/L	1	50.0	<0.0299	109	87.8 - 113
cis-1,2-Dichloroethene	52.2	µg/L	1	50.0	<0.101	104	83.8 - 115
2,2-Dichloropropane	23.2	µg/L	1	50.0	<0.0665	46	37.9 - 136
1,2-Dichloroethane (EDC)	53.0	µg/L	1	50.0	<0.0557	106	82.6 - 122
Chloroform	55.1	µg/L	1	50.0	<0.0475	110	84.8 - 116
1,1,1-Trichloroethane	54.0	µg/L	1	50.0	<0.0846	108	72.9 - 123
1,1-Dichloropropene	49.6	µg/L	1	50.0	<0.0423	99	85.9 - 119
Benzene	51.0	µg/L	1	50.0	<0.0495	102	83.5 - 115
Carbon Tetrachloride	54.5	µg/L	1	50.0	<0.121	109	62.7 - 144
1,2-Dichloropropane	53.3	µg/L	1	50.0	<0.0933	107	88.8 - 114
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.0495	101	91.3 - 111
Dibromomethane (methylene bromide)	54.5	µg/L	1	50.0	<0.0640	109	84.2 - 118
Bromodichloromethane	53.4	µg/L	1	50.0	<0.0651	107	79.5 - 127
2-Chloroethyl vinyl ether	53.3	µg/L	1	50.0	<0.0905	107	75.1 - 128
cis-1,3-Dichloropropene	46.7	µg/L	1	50.0	<0.0640	93	83.2 - 119
trans-1,3-Dichloropropene	47.0	µg/L	1	50.0	<0.0504	94	77.4 - 126
Toluene	45.2	µg/L	1	50.0	<0.0736	90	82 - 110
1,1,2-Trichloroethane	52.8	µg/L	1	50.0	<0.106	106	77 - 123
1,3-Dichloropropane	52.6	µg/L	1	50.0	<0.0625	105	81.1 - 124
Dibromochloromethane	54.4	µg/L	1	50.0	<0.0791	109	79 - 129
1,2-Dibromoethane (EDB)	52.7	µg/L	1	50.0	<0.0460	105	78.6 - 126
Tetrachloroethene (PCE)	52.2	µg/L	1	50.0	<0.0696	104	36.7 - 173
Chlorobenzene	49.5	µg/L	1	50.0	<0.0217	99	87.9 - 109
1,1,1,2-Tetrachloroethane	52.2	µg/L	1	50.0	<0.125	104	80.5 - 125
Ethylbenzene	49.9	µg/L	1	50.0	<0.0566	100	82.4 - 116
m,p-Xylene	99.8	µg/L	1	100	<0.0363	100	80.5 - 118
Bromoform	52.5	µg/L	1	50.0	<0.0859	105	75.8 - 132
Styrene	51.7	µg/L	1	50.0	<0.0394	103	84.2 - 117
o-Xylene	51.2	µg/L	1	50.0	<0.0505	102	82.1 - 119
1,1,2,2-Tetrachloroethane	49.0	µg/L	1	50.0	<0.0672	98	69.7 - 124
2-Chlorotoluene	51.9	µg/L	1	50.0	<0.0283	104	76.5 - 123
1,2,3-Trichloropropane	48.0	µg/L	1	50.0	<0.0679	96	66.3 - 130
Isopropylbenzene	52.2	µg/L	1	50.0	<0.0406	104	78.3 - 123
Bromobenzene	50.5	µg/L	1	50.0	<0.103	101	79.9 - 122
n-Propylbenzene	49.7	µg/L	1	50.0	<0.0423	99	72.6 - 122
1,3,5-Trimethylbenzene	51.0	µg/L	1	50.0	<0.0557	102	69.6 - 127
tert-Butylbenzene	50.2	µg/L	1	50.0	<0.0770	100	64 - 129
1,2,4-Trimethylbenzene	50.3	µg/L	1	50.0	<0.0336	101	71 - 123
1,4-Dichlorobenzene (para)	47.7	µg/L	1	50.0	<0.0672	95	74 - 118
sec-Butylbenzene	48.7	µg/L	1	50.0	<0.0439	97	59.8 - 129
1,3-Dichlorobenzene (meta)	48.5	µg/L	1	50.0	<0.0672	97	80.2 - 119
p-Isopropyltoluene	47.6	µg/L	1	50.0	<0.0513	95	54.8 - 135
4-Chlorotoluene	50.7	µg/L	1	50.0	<0.0460	101	78.9 - 124
1,2-Dichlorobenzene (ortho)	48.4	µg/L	1	50.0	<0.0629	97	80 - 120

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Butylbenzene	44.7	µg/L	1	50.0	<0.0400	89	51.1 - 136
1,2-Dibromo-3-chloropropane	34.8	µg/L	1	50.0	<0.538	70	38.2 - 151
1,2,3-Trichlorobenzene	13.0	µg/L	1	50.0	<0.504	26	25.4 - 158
1,2,4-Trichlorobenzene	24.9	µg/L	1	50.0	<0.166	50	38.2 - 140
Naphthalene	18.6	µg/L	1	50.0	<0.417	37	33.3 - 152
Hexachlorobutadiene	36.0	µg/L	1	50.0	<0.176	72	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	55.1	µg/L	1	50.0	<0.0699	110	85.7 - 113	1	20
Dichlorodifluoromethane	46.3	µg/L	1	50.0	<0.0598	93	60.3 - 134	3	20
Chloromethane (methyl chloride)	52.3	µg/L	1	50.0	<0.230	105	72 - 120	1	20
Vinyl Chloride	50.1	µg/L	1	50.0	<0.0902	100	64.4 - 132	1	20
Bromomethane (methyl bromide)	47.9	µg/L	1	50.0	<0.740	96	65.9 - 133	1	20
Chloroethane	50.2	µg/L	1	50.0	<0.195	100	65.3 - 132	1	20
Trichlorofluoromethane	53.4	µg/L	1	50.0	<0.160	107	52.7 - 159	2	20
Acetone	50.4	µg/L	1	50.0	<0.854	101	10 - 185	1	20
Iodomethane (methyl iodide)	51.2	µg/L	1	50.0	<0.112	102	80.9 - 112	1	20
Carbon Disulfide	49.5	µg/L	1	50.0	<0.0764	99	73.7 - 120	2	20
Acrylonitrile	54.8	µg/L	1	50.0	<0.184	110	75.8 - 121	1	20
2-Butanone (MEK)	47.1	µg/L	1	50.0	<0.394	94	43.7 - 117	2	20
4-Methyl-2-pentanone (MIBK)	51.9	µg/L	1	50.0	<0.484	104	69.3 - 120	1	20
2-Hexanone	52.8	µg/L	1	50.0	<0.0975	106	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	34.2	µg/L	1	50.0	<0.420	68	40 - 128	3	20
1,1-Dichloroethene	49.4	µg/L	1	50.0	<0.0736	99	83.4 - 114	1	20
Methylene chloride	45.7	µg/L	1	50.0	<0.689	91	62.6 - 119	0	20
MTBE	53.2	µg/L	1	50.0	<0.0504	106	70 - 132	1	20
trans-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.0598	101	83.3 - 114	0	20
1,1-Dichloroethane	53.8	µg/L	1	50.0	<0.0299	108	87.8 - 113	1	20
cis-1,2-Dichloroethene	51.7	µg/L	1	50.0	<0.101	103	83.8 - 115	1	20
2,2-Dichloropropane	22.2	µg/L	1	50.0	<0.0665	44	37.9 - 136	4	20
1,2-Dichloroethane (EDC)	52.6	µg/L	1	50.0	<0.0557	105	82.6 - 122	1	20
Chloroform	54.8	µg/L	1	50.0	<0.0475	110	84.8 - 116	0	20
1,1,1-Trichloroethane	53.5	µg/L	1	50.0	<0.0846	107	72.9 - 123	1	20
1,1-Dichloropropene	49.7	µg/L	1	50.0	<0.0423	99	85.9 - 119	0	20
Benzene	50.2	µg/L	1	50.0	<0.0495	100	83.5 - 115	2	20
Carbon Tetrachloride	53.7	µg/L	1	50.0	<0.121	107	62.7 - 144	2	20
1,2-Dichloropropane	52.8	µg/L	1	50.0	<0.0933	106	88.8 - 114	1	20
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.0495	101	91.3 - 111	0	20
Dibromomethane (methylene bromide)	54.1	µg/L	1	50.0	<0.0640	108	84.2 - 118	1	20
Bromodichloromethane	53.5	µg/L	1	50.0	<0.0651	107	79.5 - 127	0	20
2-Chloroethyl vinyl ether	52.8	µg/L	1	50.0	<0.0905	106	75.1 - 128	1	20
cis-1,3-Dichloropropene	45.7	µg/L	1	50.0	<0.0640	91	83.2 - 119	2	20
trans-1,3-Dichloropropene	46.5	µg/L	1	50.0	<0.0504	93	77.4 - 126	1	20
Toluene	45.2	µg/L	1	50.0	<0.0736	90	82 - 110	0	20
1,1,2-Trichloroethane	51.7	µg/L	1	50.0	<0.106	103	77 - 123	2	20
1,3-Dichloropropane	51.2	µg/L	1	50.0	<0.0625	102	81.1 - 124	3	20
Dibromochloromethane	53.6	µg/L	1	50.0	<0.0791	107	79 - 129	2	20
1,2-Dibromoethane (EDB)	51.8	µg/L	1	50.0	<0.0460	104	78.6 - 126	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Tetrachloroethene (PCE)	53.0	µg/L	1	50.0	<0.0696	106	36.7 - 173	2	20
Chlorobenzene	48.8	µg/L	1	50.0	<0.0217	98	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.125	104	80.5 - 125	1	20
Ethylbenzene	49.9	µg/L	1	50.0	<0.0566	100	82.4 - 116	0	20
m,p-Xylene	99.5	µg/L	1	100	<0.0363	100	80.5 - 118	0	20
Bromoform	52.2	µg/L	1	50.0	<0.0859	104	75.8 - 132	1	20
Styrene	51.0	µg/L	1	50.0	<0.0394	102	84.2 - 117	1	20
o-Xylene	50.5	µg/L	1	50.0	<0.0505	101	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	48.4	µg/L	1	50.0	<0.0672	97	69.7 - 124	1	20
2-Chlorotoluene	52.3	µg/L	1	50.0	<0.0283	105	76.5 - 123	1	20
1,2,3-Trichloropropane	47.2	µg/L	1	50.0	<0.0679	94	66.3 - 130	2	20
Isopropylbenzene	53.0	µg/L	1	50.0	<0.0406	106	78.3 - 123	2	20
Bromobenzene	50.7	µg/L	1	50.0	<0.103	101	79.9 - 122	0	20
n-Propylbenzene	50.8	µg/L	1	50.0	<0.0423	102	72.6 - 122	2	20
1,3,5-Trimethylbenzene	51.6	µg/L	1	50.0	<0.0557	103	69.6 - 127	1	20
tert-Butylbenzene	50.2	µg/L	1	50.0	<0.0770	100	64 - 129	0	20
1,2,4-Trimethylbenzene	51.4	µg/L	1	50.0	<0.0336	103	71 - 123	2	20
1,4-Dichlorobenzene (para)	48.1	µg/L	1	50.0	<0.0672	96	74 - 118	1	20
sec-Butylbenzene	49.6	µg/L	1	50.0	<0.0439	99	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	49.0	µg/L	1	50.0	<0.0672	98	80.2 - 119	1	20
p-Isopropyltoluene	48.5	µg/L	1	50.0	<0.0513	97	54.8 - 135	2	20
4-Chlorotoluene	51.0	µg/L	1	50.0	<0.0460	102	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	48.6	µg/L	1	50.0	<0.0629	97	80 - 120	0	20
n-Butylbenzene	47.2	µg/L	1	50.0	<0.0400	94	51.1 - 136	5	20
1,2-Dibromo-3-chloropropane	34.7	µg/L	1	50.0	<0.538	69	38.2 - 151	0	20
1,2,3-Trichlorobenzene [5]	38.8	µg/L	1	50.0	<0.504	78	25.4 - 158	100	20
1,2,4-Trichlorobenzene [6]	32.4	µg/L	1	50.0	<0.166	65	38.2 - 140	26	20
Naphthalene [7]	32.2	µg/L	1	50.0	<0.417	64	33.3 - 152	54	20
Hexachlorobutadiene	38.1	µg/L	1	50.0	<0.176	76	49.1 - 134	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.4	52.5	µg/L	1	50.0	103	105	82.4 - 115
Toluene-d8	49.5	49.4	µg/L	1	50.0	99	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.9	48.6	µg/L	1	50.0	98	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35641 Date Analyzed: 2007-03-15 Analyzed By: KB
Prep Batch: 30919 QC Preparation: 2007-03-15 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.9	µg/L	1	50.0	<0.0699	104	85.7 - 113
Dichlorodifluoromethane	49.4	µg/L	1	50.0	<0.0598	99	60.3 - 134

continued ...

[5] RPD out of control limits due to carryover. •
[6] RPD out of control limits due to carryover. •
[7] RPD out of control limits due to carryover. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloromethane (methyl chloride)	52.5	µg/L	1	50.0	<0.230	105	72 - 120
Vinyl Chloride	52.3	µg/L	1	50.0	<0.0902	105	64.4 - 132
Bromomethane (methyl bromide)	55.9	µg/L	1	50.0	<0.740	112	65.9 - 133
Chloroethane	55.9	µg/L	1	50.0	<0.195	112	65.3 - 132
Trichlorofluoromethane	53.9	µg/L	1	50.0	<0.160	108	52.7 - 159
Acetone	42.3	µg/L	1	50.0	<0.854	85	10 - 185
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.112	100	80.9 - 112
Carbon Disulfide	49.2	µg/L	1	50.0	<0.0764	98	73.7 - 120
Acrylonitrile	56.5	µg/L	1	50.0	<0.184	113	75.8 - 121
2-Butanone (MEK)	48.1	µg/L	1	50.0	<0.394	96	43.7 - 117
4-Methyl-2-pentanone (MIBK)	55.6	µg/L	1	50.0	<0.484	111	69.3 - 120
2-Hexanone	57.4	µg/L	1	50.0	<0.0975	115	35.6 - 138
trans 1,4-Dichloro-2-butene	50.9	µg/L	1	50.0	<0.420	102	40 - 128
1,1-Dichloroethene	46.9	µg/L	1	50.0	<0.0736	94	83.4 - 114
Methylene chloride	47.6	µg/L	1	50.0	<0.689	95	62.6 - 119
MTBE	53.2	µg/L	1	50.0	<0.0504	106	70 - 132
trans-1,2-Dichloroethene	51.1	µg/L	1	50.0	<0.0598	102	83.3 - 114
1,1-Dichloroethane	50.6	µg/L	1	50.0	<0.0299	101	87.8 - 113
cis-1,2-Dichloroethene	51.8	µg/L	1	50.0	<0.101	104	83.8 - 115
2,2-Dichloropropane	40.4	µg/L	1	50.0	<0.0665	81	37.9 - 136
1,2-Dichloroethane (EDC)	51.5	µg/L	1	50.0	<0.0557	103	82.6 - 122
Chloroform	50.0	µg/L	1	50.0	<0.0475	100	84.8 - 116
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.0846	99	72.9 - 123
1,1-Dichloropropene	50.8	µg/L	1	50.0	<0.0423	102	85.9 - 119
Benzene	49.8	µg/L	1	50.0	<0.0495	100	83.5 - 115
Carbon Tetrachloride	48.2	µg/L	1	50.0	<0.121	96	62.7 - 144
1,2-Dichloropropane	52.9	µg/L	1	50.0	<0.0933	106	88.8 - 114
Trichloroethene (TCE)	47.9	µg/L	1	50.0	<0.0495	96	91.3 - 111
Dibromomethane (methylene bromide)	51.5	µg/L	1	50.0	<0.0640	103	84.2 - 118
Bromodichloromethane	52.2	µg/L	1	50.0	<0.0651	104	79.5 - 127
2-Chloroethyl vinyl ether	52.9	µg/L	1	50.0	<0.0905	106	75.1 - 128
cis-1,3-Dichloropropene	51.5	µg/L	1	50.0	<0.0640	103	83.2 - 119
trans-1,3-Dichloropropene	54.7	µg/L	1	50.0	<0.0504	109	77.4 - 126
Toluene	48.4	µg/L	1	50.0	<0.0736	97	82 - 110
1,1,2-Trichloroethane	51.1	µg/L	1	50.0	<0.106	102	77 - 123
1,3-Dichloropropane	53.6	µg/L	1	50.0	<0.0625	107	81.1 - 124
Dibromochloromethane	53.4	µg/L	1	50.0	<0.0791	107	79 - 129
1,2-Dibromoethane (EDB)	52.5	µg/L	1	50.0	<0.0460	105	78.6 - 126
Tetrachloroethene (PCE)	48.5	µg/L	1	50.0	<0.0696	97	36.7 - 173
Chlorobenzene	46.9	µg/L	1	50.0	<0.0217	94	87.9 - 109
1,1,1,2-Tetrachloroethane	52.4	µg/L	1	50.0	<0.125	105	80.5 - 125
Ethylbenzene	52.3	µg/L	1	50.0	<0.0566	105	82.4 - 116
m,p-Xylene	106	µg/L	1	100	<0.0363	106	80.5 - 118
Bromoform	52.6	µg/L	1	50.0	<0.0859	105	75.8 - 132
Styrene	56.5	µg/L	1	50.0	<0.0394	113	84.2 - 117
o-Xylene	54.0	µg/L	1	50.0	<0.0505	108	82.1 - 119
1,1,2,2-Tetrachloroethane	53.1	µg/L	1	50.0	<0.0672	106	69.7 - 124
2-Chlorotoluene	51.0	µg/L	1	50.0	<0.0283	102	76.5 - 123
1,2,3-Trichloropropane	51.2	µg/L	1	50.0	<0.0679	102	66.3 - 130
Isopropylbenzene	51.2	µg/L	1	50.0	<0.0406	102	78.3 - 123

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromobenzene	50.2	µg/L	1	50.0	<0.103	100	79.9 - 122
n-Propylbenzene	50.3	µg/L	1	50.0	<0.0423	101	72.6 - 122
1,3,5-Trimethylbenzene	50.7	µg/L	1	50.0	<0.0557	101	69.6 - 127
tert-Butylbenzene	49.1	µg/L	1	50.0	<0.0770	98	64 - 129
1,2,4-Trimethylbenzene	50.5	µg/L	1	50.0	<0.0336	101	71 - 123
1,4-Dichlorobenzene (para)	47.6	µg/L	1	50.0	<0.0672	95	74 - 118
sec-Butylbenzene	48.9	µg/L	1	50.0	<0.0439	98	59.8 - 129
1,3-Dichlorobenzene (meta)	49.2	µg/L	1	50.0	<0.0672	98	80.2 - 119
p-Isopropyltoluene	49.4	µg/L	1	50.0	<0.0513	99	54.8 - 135
4-Chlorotoluene	50.6	µg/L	1	50.0	<0.0460	101	78.9 - 124
1,2-Dichlorobenzene (ortho)	50.2	µg/L	1	50.0	<0.0629	100	80 - 120
n-Butylbenzene	48.1	µg/L	1	50.0	<0.0400	96	51.1 - 136
1,2-Dibromo-3-chloropropane	51.5	µg/L	1	50.0	<0.538	103	38.2 - 151
1,2,3-Trichlorobenzene	45.2	µg/L	1	50.0	<0.504	90	25.4 - 158
1,2,4-Trichlorobenzene	45.7	µg/L	1	50.0	<0.166	91	38.2 - 140
Naphthalene	47.3	µg/L	1	50.0	<0.417	95	33.3 - 152
Hexachlorobutadiene	42.1	µg/L	1	50.0	<0.176	84	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.2	µg/L	1	50.0	<0.0699	102	85.7 - 113	1	20
Dichlorodifluoromethane	49.1	µg/L	1	50.0	<0.0598	98	60.3 - 134	1	20
Chloromethane (methyl chloride)	52.3	µg/L	1	50.0	<0.230	105	72 - 120	0	20
Vinyl Chloride	51.6	µg/L	1	50.0	<0.0902	103	64.4 - 132	1	20
Bromomethane (methyl bromide)	53.2	µg/L	1	50.0	<0.740	106	65.9 - 133	5	20
Chloroethane	53.1	µg/L	1	50.0	<0.195	106	65.3 - 132	5	20
Trichlorofluoromethane	53.7	µg/L	1	50.0	<0.160	107	52.7 - 159	0	20
Acetone	42.2	µg/L	1	50.0	<0.854	84	10 - 185	0	20
Iodomethane (methyl iodide)	50.7	µg/L	1	50.0	<0.112	101	80.9 - 112	2	20
Carbon Disulfide	50.0	µg/L	1	50.0	<0.0764	100	73.7 - 120	2	20
Acrylonitrile	56.2	µg/L	1	50.0	<0.184	112	75.8 - 121	0	20
2-Butanone (MEK)	46.9	µg/L	1	50.0	<0.394	94	43.7 - 117	2	20
4-Methyl-2-pentanone (MIBK)	54.3	µg/L	1	50.0	<0.484	109	69.3 - 120	2	20
2-Hexanone	55.2	µg/L	1	50.0	<0.0975	110	35.6 - 138	4	20
trans 1,4-Dichloro-2-butene	50.5	µg/L	1	50.0	<0.420	101	40 - 128	1	20
1,1-Dichloroethene	47.6	µg/L	1	50.0	<0.0736	95	83.4 - 114	2	20
Methylene chloride	48.0	µg/L	1	50.0	<0.689	96	62.6 - 119	1	20
MTBE	54.1	µg/L	1	50.0	<0.0504	108	70 - 132	2	20
trans-1,2-Dichloroethene	51.0	µg/L	1	50.0	<0.0598	102	83.3 - 114	0	20
1,1-Dichloroethane	51.3	µg/L	1	50.0	<0.0299	103	87.8 - 113	1	20
cis-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.101	103	83.8 - 115	1	20
2,2-Dichloropropane	40.1	µg/L	1	50.0	<0.0665	80	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.6 - 122	0	20
Chloroform	49.9	µg/L	1	50.0	<0.0475	100	84.8 - 116	0	20
1,1,1-Trichloroethane	50.4	µg/L	1	50.0	<0.0846	101	72.9 - 123	2	20
1,1-Dichloropropene	52.0	µg/L	1	50.0	<0.0423	104	85.9 - 119	2	20
Benzene	50.3	µg/L	1	50.0	<0.0495	101	83.5 - 115	1	20
Carbon Tetrachloride	49.2	µg/L	1	50.0	<0.121	98	62.7 - 144	2	20
1,2-Dichloropropane	52.8	µg/L	1	50.0	<0.0933	106	88.8 - 114	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Trichloroethene (TCE)	48.3	µg/L	1	50.0	<0.0495	97	91.3 - 111	1	20
Dibromomethane (methylene bromide)	51.7	µg/L	1	50.0	<0.0640	103	84.2 - 118	0	20
Bromodichloromethane	52.8	µg/L	1	50.0	<0.0651	106	79.5 - 127	1	20
2-Chloroethyl vinyl ether	52.8	µg/L	1	50.0	<0.0905	106	75.1 - 128	0	20
cis-1,3-Dichloropropene	51.9	µg/L	1	50.0	<0.0640	104	83.2 - 119	1	20
trans-1,3-Dichloropropene	54.8	µg/L	1	50.0	<0.0504	110	77.4 - 126	0	20
Toluene	48.8	µg/L	1	50.0	<0.0736	98	82 - 110	1	20
1,1,2-Trichloroethane	51.6	µg/L	1	50.0	<0.106	103	77 - 123	1	20
1,3-Dichloropropane	53.5	µg/L	1	50.0	<0.0625	107	81.1 - 124	0	20
Dibromochloromethane	54.4	µg/L	1	50.0	<0.0791	109	79 - 129	2	20
1,2-Dibromoethane (EDB)	53.5	µg/L	1	50.0	<0.0460	107	78.6 - 126	2	20
Tetrachloroethene (PCE)	50.0	µg/L	1	50.0	<0.0696	100	36.7 - 173	3	20
Chlorobenzene	47.6	µg/L	1	50.0	<0.0217	95	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	52.3	µg/L	1	50.0	<0.125	105	80.5 - 125	0	20
Ethylbenzene	53.1	µg/L	1	50.0	<0.0566	106	82.4 - 116	2	20
m,p-Xylene	107	µg/L	1	100	<0.0363	107	80.5 - 118	1	20
Bromoform	53.8	µg/L	1	50.0	<0.0859	108	75.8 - 132	2	20
Styrene	57.1	µg/L	1	50.0	<0.0394	114	84.2 - 117	1	20
o-Xylene	54.6	µg/L	1	50.0	<0.0505	109	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	53.4	µg/L	1	50.0	<0.0672	107	69.7 - 124	1	20
2-Chlorotoluene	51.8	µg/L	1	50.0	<0.0283	104	76.5 - 123	2	20
1,2,3-Trichloropropane	52.2	µg/L	1	50.0	<0.0679	104	66.3 - 130	2	20
Isopropylbenzene	52.6	µg/L	1	50.0	<0.0406	105	78.3 - 123	3	20
Bromobenzene	51.1	µg/L	1	50.0	<0.103	102	79.9 - 122	2	20
n-Propylbenzene	51.2	µg/L	1	50.0	<0.0423	102	72.6 - 122	2	20
1,3,5-Trimethylbenzene	51.6	µg/L	1	50.0	<0.0557	103	69.6 - 127	2	20
tert-Butylbenzene	50.5	µg/L	1	50.0	<0.0770	101	64 - 129	3	20
1,2,4-Trimethylbenzene	52.0	µg/L	1	50.0	<0.0336	104	71 - 123	3	20
1,4-Dichlorobenzene (para)	48.6	µg/L	1	50.0	<0.0672	97	74 - 118	2	20
sec-Butylbenzene	50.5	µg/L	1	50.0	<0.0439	101	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)	50.1	µg/L	1	50.0	<0.0672	100	80.2 - 119	2	20
p-Isopropyltoluene	51.3	µg/L	1	50.0	<0.0513	103	54.8 - 135	4	20
4-Chlorotoluene	51.6	µg/L	1	50.0	<0.0460	103	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.0629	102	80 - 120	2	20
n-Butylbenzene	49.6	µg/L	1	50.0	<0.0400	99	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	52.0	µg/L	1	50.0	<0.538	104	38.2 - 151	1	20
1,2,3-Trichlorobenzene	50.8	µg/L	1	50.0	<0.504	102	25.4 - 158	12	20
1,2,4-Trichlorobenzene	47.6	µg/L	1	50.0	<0.166	95	38.2 - 140	4	20
Naphthalene	53.5	µg/L	1	50.0	<0.417	107	33.3 - 152	12	20
Hexachlorobutadiene	43.9	µg/L	1	50.0	<0.176	88	49.1 - 134	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.5	49.0	µg/L	1	50.0	99	98	82.4 - 115
Toluene-d8	49.0	49.0	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.2	49.8	µg/L	1	50.0	98	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35976 | Date Analyzed: 2007-03-24 | Analyzed By: JG
Prep Batch: 31220 | QC Preparation: 2007-03-24 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.8	µg/L	1	50.0	<0.0699	106	85.7 - 113
Dichlorodifluoromethane	38.2	µg/L	1	50.0	<0.0598	76	60.3 - 134
Chloromethane (methyl chloride)	51.5	µg/L	1	50.0	<0.230	103	72 - 120
Vinyl Chloride	52.2	µg/L	1	50.0	<0.0902	104	64.4 - 132
Bromomethane (methyl bromide)	58.4	µg/L	1	50.0	<0.740	117	65.9 - 133
Chloroethane	58.4	µg/L	1	50.0	<0.195	117	65.3 - 132
Trichlorofluoromethane	53.7	µg/L	1	50.0	<0.160	107	52.7 - 159
Acetone	51.4	µg/L	1	50.0	<0.854	103	10 - 185
Iodomethane (methyl iodide)	48.5	µg/L	1	50.0	<0.112	97	80.9 - 112
Carbon Disulfide	47.5	µg/L	1	50.0	<0.0764	95	73.7 - 120
Acrylonitrile	56.8	µg/L	1	50.0	<0.184	114	75.8 - 121
2-Butanone (MEK)	45.9	µg/L	1	50.0	<0.394	92	43.7 - 117
4-Methyl-2-pentanone (MIBK)	53.7	µg/L	1	50.0	<0.484	107	69.3 - 120
2-Hexanone	58.6	µg/L	1	50.0	<0.0975	117	35.6 - 138
trans 1,4-Dichloro-2-butene	42.1	µg/L	1	50.0	<0.420	84	40 - 128
1,1-Dichloroethene	46.2	µg/L	1	50.0	<0.0736	92	83.4 - 114
Methylene chloride	51.9	µg/L	1	50.0	<0.689	104	62.6 - 119
MTBE	52.6	µg/L	1	50.0	<0.0504	105	70 - 132
trans-1,2-Dichloroethene	50.5	µg/L	1	50.0	<0.0598	101	83.3 - 114
1,1-Dichloroethane	50.2	µg/L	1	50.0	<0.0299	100	87.8 - 113
cis-1,2-Dichloroethene	51.4	µg/L	1	50.0	<0.101	103	83.8 - 115
2,2-Dichloropropane	22.9	µg/L	1	50.0	<0.0665	46	37.9 - 136
1,2-Dichloroethane (EDC)	51.5	µg/L	1	50.0	<0.0557	103	82.6 - 122
Chloroform	51.1	µg/L	1	50.0	<0.0475	102	84.8 - 116
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.0846	99	72.9 - 123
1,1-Dichloropropene	49.6	µg/L	1	50.0	<0.0423	99	85.9 - 119
Benzene	50.1	µg/L	1	50.0	<0.0495	100	83.5 - 115
Carbon Tetrachloride	47.6	µg/L	1	50.0	<0.121	95	62.7 - 144
1,2-Dichloropropane	52.6	µg/L	1	50.0	<0.0933	105	88.8 - 114
Trichloroethene (TCE)	46.8	µg/L	1	50.0	<0.0495	94	91.3 - 111
Dibromomethane (methylene bromide)	51.9	µg/L	1	50.0	<0.0640	104	84.2 - 118
Bromodichloromethane	52.5	µg/L	1	50.0	<0.0651	105	79.5 - 127
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.0905	105	75.1 - 128
cis-1,3-Dichloropropene	46.4	µg/L	1	50.0	<0.0640	93	83.2 - 119
trans-1,3-Dichloropropene	49.9	µg/L	1	50.0	<0.0504	100	77.4 - 126
Toluene	48.5	µg/L	1	50.0	<0.0736	97	82 - 110
1,1,2-Trichloroethane	52.5	µg/L	1	50.0	<0.106	105	77 - 123
1,3-Dichloropropane	53.6	µg/L	1	50.0	<0.0625	107	81.1 - 124
Dibromochloromethane	54.4	µg/L	1	50.0	<0.0791	109	79 - 129
1,2-Dibromoethane (EDB)	53.2	µg/L	1	50.0	<0.0460	106	78.6 - 126
Tetrachloroethene (PCE)	53.6	µg/L	1	50.0	<0.0696	107	36.7 - 173
Chlorobenzene	47.2	µg/L	1	50.0	<0.0217	94	87.9 - 109
1,1,1,2-Tetrachloroethane	53.3	µg/L	1	50.0	<0.125	107	80.5 - 125
Ethylbenzene	52.4	µg/L	1	50.0	<0.0566	105	82.4 - 116
m,p-Xylene	106	µg/L	1	100	<0.0363	106	80.5 - 118
Bromoform	53.6	µg/L	1	50.0	<0.0859	107	75.8 - 132

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	55.8	µg/L	1	50.0	<0.0394	112	84.2 - 117
o-Xylene	54.7	µg/L	1	50.0	<0.0505	109	82.1 - 119
1,1,2,2-Tetrachloroethane	54.4	µg/L	1	50.0	<0.0672	109	69.7 - 124
2-Chlorotoluene	50.5	µg/L	1	50.0	<0.0283	101	76.5 - 123
1,2,3-Trichloropropane	48.3	µg/L	1	50.0	<0.0679	97	66.3 - 130
Isopropylbenzene	50.0	µg/L	1	50.0	<0.0406	100	78.3 - 123
Bromobenzene	48.8	µg/L	1	50.0	<0.103	98	79.9 - 122
n-Propylbenzene	48.9	µg/L	1	50.0	<0.0423	98	72.6 - 122
1,3,5-Trimethylbenzene	50.1	µg/L	1	50.0	<0.0557	100	69.6 - 127
tert-Butylbenzene	47.6	µg/L	1	50.0	<0.0770	95	64 - 129
1,2,4-Trimethylbenzene	50.2	µg/L	1	50.0	<0.0336	100	71 - 123
1,4-Dichlorobenzene (para)	47.0	µg/L	1	50.0	<0.0672	94	74 - 118
sec-Butylbenzene	47.2	µg/L	1	50.0	<0.0439	94	59.8 - 129
1,3-Dichlorobenzene (meta)	48.7	µg/L	1	50.0	<0.0672	97	80.2 - 119
p-Isopropyltoluene	46.8	µg/L	1	50.0	<0.0513	94	54.8 - 135
4-Chlorotoluene	49.8	µg/L	1	50.0	<0.0460	100	78.9 - 124
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	80 - 120
n-Butylbenzene	44.6	µg/L	1	50.0	<0.0400	89	51.1 - 136
1,2-Dibromo-3-chloropropane	49.6	µg/L	1	50.0	<0.538	99	38.2 - 151
1,2,3-Trichlorobenzene	41.6	µg/L	1	50.0	<0.504	83	25.4 - 158
1,2,4-Trichlorobenzene	41.5	µg/L	1	50.0	<0.166	83	38.2 - 140
Naphthalene	46.0	µg/L	1	50.0	<0.417	92	33.3 - 152
Hexachlorobutadiene	37.1	µg/L	1	50.0	<0.176	74	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.0	µg/L	1	50.0	<0.0699	104	85.7 - 113	2	20
Dichlorodifluoromethane	38.3	µg/L	1	50.0	<0.0598	77	60.3 - 134	0	20
Chloromethane (methyl chloride)	50.3	µg/L	1	50.0	<0.230	101	72 - 120	2	20
Vinyl Chloride	52.0	µg/L	1	50.0	<0.0902	104	64.4 - 132	0	20
Bromomethane (methyl bromide)	55.8	µg/L	1	50.0	<0.740	112	65.9 - 133	5	20
Chloroethane	56.3	µg/L	1	50.0	<0.195	113	65.3 - 132	4	20
Trichlorofluoromethane	51.2	µg/L	1	50.0	<0.160	102	52.7 - 159	5	20
Acetone	53.0	µg/L	1	50.0	<0.854	106	10 - 185	3	20
Iodomethane (methyl iodide)	49.2	µg/L	1	50.0	<0.112	98	80.9 - 112	1	20
Carbon Disulfide	47.8	µg/L	1	50.0	<0.0764	96	73.7 - 120	1	20
Acrylonitrile	57.0	µg/L	1	50.0	<0.184	114	75.8 - 121	0	20
2-Butanone (MEK)	48.0	µg/L	1	50.0	<0.394	96	43.7 - 117	4	20
4-Methyl-2-pentanone (MIBK)	57.4	µg/L	1	50.0	<0.484	115	69.3 - 120	7	20
2-Hexanone	60.0	µg/L	1	50.0	<0.0975	120	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	42.4	µg/L	1	50.0	<0.420	85	40 - 128	1	20
1,1-Dichloroethene	46.9	µg/L	1	50.0	<0.0736	94	83.4 - 114	2	20
Methylene chloride	51.6	µg/L	1	50.0	<0.689	103	62.6 - 119	1	20
MTBE	53.2	µg/L	1	50.0	<0.0504	106	70 - 132	1	20
trans-1,2-Dichloroethene	50.5	µg/L	1	50.0	<0.0598	101	83.3 - 114	0	20
1,1-Dichloroethane	49.8	µg/L	1	50.0	<0.0299	100	87.8 - 113	1	20
cis-1,2-Dichloroethene	51.0	µg/L	1	50.0	<0.101	102	83.8 - 115	1	20
2,2-Dichloropropane	22.9	µg/L	1	50.0	<0.0665	46	37.9 - 136	0	20
1,2-Dichloroethane (EDC)	50.6	µg/L	1	50.0	<0.0557	101	82.6 - 122	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloroform	50.2	µg/L	1	50.0	<0.0475	100	84.8 - 116	2	20
1,1,1-Trichloroethane	49.3	µg/L	1	50.0	<0.0846	99	72.9 - 123	0	20
1,1-Dichloropropene	50.3	µg/L	1	50.0	<0.0423	101	85.9 - 119	1	20
Benzene	50.2	µg/L	1	50.0	<0.0495	100	83.5 - 115	0	20
Carbon Tetrachloride	48.0	µg/L	1	50.0	<0.121	96	62.7 - 144	1	20
1,2-Dichloropropane	52.9	µg/L	1	50.0	<0.0933	106	88.8 - 114	1	20
Trichloroethene (TCE)	47.3	µg/L	1	50.0	<0.0495	95	91.3 - 111	1	20
Dibromomethane (methylene bromide)	51.3	µg/L	1	50.0	<0.0640	103	84.2 - 118	1	20
Bromodichloromethane	52.5	µg/L	1	50.0	<0.0651	105	79.5 - 127	0	20
2-Chloroethyl vinyl ether	52.9	µg/L	1	50.0	<0.0905	106	75.1 - 128	1	20
cis-1,3-Dichloropropene	47.1	µg/L	1	50.0	<0.0640	94	83.2 - 119	2	20
trans-1,3-Dichloropropene	50.0	µg/L	1	50.0	<0.0504	100	77.4 - 126	0	20
Toluene	48.4	µg/L	1	50.0	<0.0736	97	82 - 110	0	20
1,1,2-Trichloroethane	53.0	µg/L	1	50.0	<0.106	106	77 - 123	1	20
1,3-Dichloropropane	53.8	µg/L	1	50.0	<0.0625	108	81.1 - 124	0	20
Dibromochloromethane	53.7	µg/L	1	50.0	<0.0791	107	79 - 129	1	20
1,2-Dibromoethane (EDB)	53.3	µg/L	1	50.0	<0.0460	107	78.6 - 126	0	20
Tetrachloroethene (PCE)	55.6	µg/L	1	50.0	<0.0696	111	36.7 - 173	4	20
Chlorobenzene	47.7	µg/L	1	50.0	<0.0217	95	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	52.5	µg/L	1	50.0	<0.125	105	80.5 - 125	2	20
Ethylbenzene	53.1	µg/L	1	50.0	<0.0566	106	82.4 - 116	1	20
m,p-Xylene	106	µg/L	1	100	<0.0363	106	80.5 - 118	0	20
Bromoform	53.5	µg/L	1	50.0	<0.0859	107	75.8 - 132	0	20
Styrene	55.6	µg/L	1	50.0	<0.0394	111	84.2 - 117	0	20
o-Xylene	54.6	µg/L	1	50.0	<0.0505	109	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	55.2	µg/L	1	50.0	<0.0672	110	69.7 - 124	1	20
2-Chlorotoluene	51.4	µg/L	1	50.0	<0.0283	103	76.5 - 123	2	20
1,2,3-Trichloropropane	50.1	µg/L	1	50.0	<0.0679	100	66.3 - 130	4	20
Isopropylbenzene	51.8	µg/L	1	50.0	<0.0406	104	78.3 - 123	4	20
Bromobenzene	50.4	µg/L	1	50.0	<0.103	101	79.9 - 122	3	20
n-Propylbenzene	50.4	µg/L	1	50.0	<0.0423	101	72.6 - 122	3	20
1,3,5-Trimethylbenzene	51.2	µg/L	1	50.0	<0.0557	102	69.6 - 127	2	20
tert-Butylbenzene	49.6	µg/L	1	50.0	<0.0770	99	64 - 129	4	20
1,2,4-Trimethylbenzene	51.6	µg/L	1	50.0	<0.0336	103	71 - 123	3	20
1,4-Dichlorobenzene (para)	48.1	µg/L	1	50.0	<0.0672	96	74 - 118	2	20
sec-Butylbenzene	48.6	µg/L	1	50.0	<0.0439	97	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)	49.6	µg/L	1	50.0	<0.0672	99	80.2 - 119	2	20
p-Isopropyltoluene	48.6	µg/L	1	50.0	<0.0513	97	54.8 - 135	4	20
4-Chlorotoluene	50.8	µg/L	1	50.0	<0.0460	102	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	50.9	µg/L	1	50.0	<0.0629	102	80 - 120	2	20
n-Butylbenzene	45.9	µg/L	1	50.0	<0.0400	92	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	51.8	µg/L	1	50.0	<0.538	104	38.2 - 151	4	20
1,2,3-Trichlorobenzene	50.7	µg/L	1	50.0	<0.504	101	25.4 - 158	20	20
1,2,4-Trichlorobenzene	45.2	µg/L	1	50.0	<0.166	90	38.2 - 140	8	20
Naphthalene	53.4	µg/L	1	50.0	<0.417	107	33.3 - 152	15	20
Hexachlorobutadiene	39.5	µg/L	1	50.0	<0.176	79	49.1 - 134	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.1	49.4	µg/L	1	50.0	100	99	82.4 - 115
Toluene-d8	48.8	48.8	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.7	47.8	µg/L	1	50.0	97	96	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 36102 Date Analyzed: 2007-03-28 Analyzed By: JG
Prep Batch: 31326 QC Preparation: 2007-03-28 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.5	µg/L	1	50.0	<0.0699	103	85.7 - 113
Dichlorodifluoromethane	46.5	µg/L	1	50.0	<0.0598	93	60.3 - 134
Chloromethane (methyl chloride)	52.8	µg/L	1	50.0	<0.230	106	72 - 120
Vinyl Chloride	52.6	µg/L	1	50.0	<0.0902	105	64.4 - 132
Bromomethane (methyl bromide)	53.2	µg/L	1	50.0	<0.740	106	65.9 - 133
Chloroethane	56.2	µg/L	1	50.0	<0.195	112	65.3 - 132
Trichlorofluoromethane	57.1	µg/L	1	50.0	<0.160	114	52.7 - 159
Acetone	42.4	µg/L	1	50.0	<0.854	85	10 - 185
Iodomethane (methyl iodide)	50.4	µg/L	1	50.0	<0.112	101	80.9 - 112
Carbon Disulfide	51.0	µg/L	1	50.0	<0.0764	102	73.7 - 120
Acrylonitrile	58.5	µg/L	1	50.0	<0.184	117	75.8 - 121
2-Butanone (MEK)	44.5	µg/L	1	50.0	<0.394	89	43.7 - 117
4-Methyl-2-pentanone (MIBK)	56.5	µg/L	1	50.0	<0.484	113	69.3 - 120
2-Hexanone	54.3	µg/L	1	50.0	<0.0975	109	35.6 - 138
trans 1,4-Dichloro-2-butene	48.8	µg/L	1	50.0	<0.420	98	40 - 128
1,1-Dichloroethene	50.5	µg/L	1	50.0	<0.0736	101	83.4 - 114
Methylene chloride	51.1	µg/L	1	50.0	<0.689	102	62.6 - 119
MTBE	56.0	µg/L	1	50.0	<0.0504	112	70 - 132
trans-1,2-Dichloroethene	53.3	µg/L	1	50.0	<0.0598	107	83.3 - 114
1,1-Dichloroethane	50.6	µg/L	1	50.0	<0.0299	101	87.8 - 113
cis-1,2-Dichloroethene	52.5	µg/L	1	50.0	<0.101	105	83.8 - 115
2,2-Dichloropropane	38.6	µg/L	1	50.0	<0.0665	77	37.9 - 136
1,2-Dichloroethane (EDC)	52.0	µg/L	1	50.0	<0.0557	104	82.6 - 122
Chloroform	49.5	µg/L	1	50.0	<0.0475	99	84.8 - 116
1,1,1-Trichloroethane	50.0	µg/L	1	50.0	<0.0846	100	72.9 - 123
1,1-Dichloropropene	52.7	µg/L	1	50.0	<0.0423	105	85.9 - 119
Benzene	51.5	µg/L	1	50.0	<0.0495	103	83.5 - 115
Carbon Tetrachloride	47.7	µg/L	1	50.0	<0.121	95	62.7 - 144
1,2-Dichloropropane	52.9	µg/L	1	50.0	<0.0933	106	88.8 - 114
Trichloroethene (TCE)	48.1	µg/L	1	50.0	<0.0495	96	91.3 - 111
Dibromomethane (methylene bromide)	50.6	µg/L	1	50.0	<0.0640	101	84.2 - 118
Bromodichloromethane	52.9	µg/L	1	50.0	<0.0651	106	79.5 - 127
2-Chloroethyl vinyl ether	52.9	µg/L	1	50.0	<0.0905	106	75.1 - 128
cis-1,3-Dichloropropene	51.5	µg/L	1	50.0	<0.0640	103	83.2 - 119
trans-1,3-Dichloropropene	53.0	µg/L	1	50.0	<0.0504	106	77.4 - 126

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	48.5	µg/L	1	50.0	<0.0736	97	82 - 110
1,1,2-Trichloroethane	50.9	µg/L	1	50.0	<0.106	102	77 - 123
1,3-Dichloropropane	52.5	µg/L	1	50.0	<0.0625	105	81.1 - 124
Dibromochloromethane	52.7	µg/L	1	50.0	<0.0791	105	79 - 129
1,2-Dibromoethane (EDB)	52.6	µg/L	1	50.0	<0.0460	105	78.6 - 126
Tetrachloroethene (PCE)	51.3	µg/L	1	50.0	<0.0696	103	36.7 - 173
Chlorobenzene	46.8	µg/L	1	50.0	<0.0217	94	87.9 - 109
1,1,1,2-Tetrachloroethane	51.7	µg/L	1	50.0	<0.125	103	80.5 - 125
Ethylbenzene	51.8	µg/L	1	50.0	<0.0566	104	82.4 - 116
m,p-Xylene	103	µg/L	1	100	<0.0363	103	80.5 - 118
Bromoform	49.7	µg/L	1	50.0	<0.0859	99	75.8 - 132
Styrene	54.5	µg/L	1	50.0	<0.0394	109	84.2 - 117
o-Xylene	53.0	µg/L	1	50.0	<0.0505	106	82.1 - 119
1,1,2,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.0672	104	69.7 - 124
2-Chlorotoluene	50.7	µg/L	1	50.0	<0.0283	101	76.5 - 123
1,2,3-Trichloropropane	52.2	µg/L	1	50.0	<0.0679	104	66.3 - 130
Isopropylbenzene	49.9	µg/L	1	50.0	<0.0406	100	78.3 - 123
Bromobenzene	51.5	µg/L	1	50.0	<0.103	103	79.9 - 122
n-Propylbenzene	48.0	µg/L	1	50.0	<0.0423	96	72.6 - 122
1,3,5-Trimethylbenzene	48.9	µg/L	1	50.0	<0.0557	98	69.6 - 127
tert-Butylbenzene	45.8	µg/L	1	50.0	<0.0770	92	64 - 129
1,2,4-Trimethylbenzene	48.8	µg/L	1	50.0	<0.0336	98	71 - 123
1,4-Dichlorobenzene (para)	46.8	µg/L	1	50.0	<0.0672	94	74 - 118
sec-Butylbenzene	44.3	µg/L	1	50.0	<0.0439	89	59.8 - 129
1,3-Dichlorobenzene (meta)	48.2	µg/L	1	50.0	<0.0672	96	80.2 - 119
p-Isopropyltoluene	45.0	µg/L	1	50.0	<0.0513	90	54.8 - 135
4-Chlorotoluene	50.5	µg/L	1	50.0	<0.0460	101	78.9 - 124
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	80 - 120
n-Butylbenzene	43.0	µg/L	1	50.0	<0.0400	86	51.1 - 136
1,2-Dibromo-3-chloropropane	49.1	µg/L	1	50.0	<0.538	98	38.2 - 151
1,2,3-Trichlorobenzene	34.4	µg/L	1	50.0	<0.504	69	25.4 - 158
1,2,4-Trichlorobenzene	37.6	µg/L	1	50.0	<0.166	75	38.2 - 140
Naphthalene	40.2	µg/L	1	50.0	<0.417	80	33.3 - 152
Hexachlorobutadiene	37.7	µg/L	1	50.0	<0.176	75	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.5	µg/L	1	50.0	<0.0699	103	85.7 - 113	0	20
Dichlorodifluoromethane	48.8	µg/L	1	50.0	<0.0598	98	60.3 - 134	5	20
Chloromethane (methyl chloride)	51.4	µg/L	1	50.0	<0.230	103	72 - 120	3	20
Vinyl Chloride	51.6	µg/L	1	50.0	<0.0902	103	64.4 - 132	2	20
Bromomethane (methyl bromide)	52.0	µg/L	1	50.0	<0.740	104	65.9 - 133	2	20
Chloroethane	53.5	µg/L	1	50.0	<0.195	107	65.3 - 132	5	20
Trichlorofluoromethane	58.8	µg/L	1	50.0	<0.160	118	52.7 - 159	3	20
Acetone	43.2	µg/L	1	50.0	<0.854	86	10 - 185	2	20
Iodomethane (methyl iodide)	50.9	µg/L	1	50.0	<0.112	102	80.9 - 112	1	20
Carbon Disulfide	51.9	µg/L	1	50.0	<0.0764	104	73.7 - 120	2	20
Acrylonitrile	57.2	µg/L	1	50.0	<0.184	114	75.8 - 121	2	20
2-Butanone (MEK)	45.1	µg/L	1	50.0	<0.394	90	43.7 - 117	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	55.1	µg/L	1	50.0	<0.484	110	69.3 - 120	2	20
2-Hexanone	52.2	µg/L	1	50.0	<0.0975	104	35.6 - 138	4	20
trans 1,4-Dichloro-2-butene	47.8	µg/L	1	50.0	<0.420	96	40 - 128	2	20
1,1-Dichloroethene	51.4	µg/L	1	50.0	<0.0736	103	83.4 - 114	2	20
Methylene chloride	51.5	µg/L	1	50.0	<0.689	103	62.6 - 119	1	20
MTBE	55.9	µg/L	1	50.0	<0.0504	112	70 - 132	0	20
trans-1,2-Dichloroethene	53.4	µg/L	1	50.0	<0.0598	107	83.3 - 114	0	20
1,1-Dichloroethane	51.1	µg/L	1	50.0	<0.0299	102	87.8 - 113	1	20
cis-1,2-Dichloroethene	53.3	µg/L	1	50.0	<0.101	107	83.8 - 115	2	20
2,2-Dichloropropane	38.5	µg/L	1	50.0	<0.0665	77	37.9 - 136	0	20
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.6 - 122	1	20
Chloroform	49.8	µg/L	1	50.0	<0.0475	100	84.8 - 116	1	20
1,1,1-Trichloroethane	50.5	µg/L	1	50.0	<0.0846	101	72.9 - 123	1	20
1,1-Dichloropropene	53.2	µg/L	1	50.0	<0.0423	106	85.9 - 119	1	20
Benzene	51.6	µg/L	1	50.0	<0.0495	103	83.5 - 115	0	20
Carbon Tetrachloride	48.5	µg/L	1	50.0	<0.121	97	62.7 - 144	2	20
1,2-Dichloropropane	53.2	µg/L	1	50.0	<0.0933	106	88.8 - 114	1	20
Trichloroethene (TCE)	48.5	µg/L	1	50.0	<0.0495	97	91.3 - 111	1	20
Dibromomethane (methylene bromide)	50.4	µg/L	1	50.0	<0.0640	101	84.2 - 118	0	20
Bromodichloromethane	53.4	µg/L	1	50.0	<0.0651	107	79.5 - 127	1	20
2-Chloroethyl vinyl ether	53.2	µg/L	1	50.0	<0.0905	106	75.1 - 128	1	20
cis-1,3-Dichloropropene	52.0	µg/L	1	50.0	<0.0640	104	83.2 - 119	1	20
trans-1,3-Dichloropropene	53.0	µg/L	1	50.0	<0.0504	106	77.4 - 126	0	20
Toluene	49.4	µg/L	1	50.0	<0.0736	99	82 - 110	2	20
1,1,2-Trichloroethane	51.2	µg/L	1	50.0	<0.106	102	77 - 123	1	20
1,3-Dichloropropane	52.8	µg/L	1	50.0	<0.0625	106	81.1 - 124	1	20
Dibromochloromethane	53.3	µg/L	1	50.0	<0.0791	107	79 - 129	1	20
1,2-Dibromoethane (EDB)	53.2	µg/L	1	50.0	<0.0460	106	78.6 - 126	1	20
Tetrachloroethene (PCE)	51.8	µg/L	1	50.0	<0.0696	104	36.7 - 173	1	20
Chlorobenzene	47.5	µg/L	1	50.0	<0.0217	95	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.125	104	80.5 - 125	1	20
Ethylbenzene	52.2	µg/L	1	50.0	<0.0566	104	82.4 - 116	1	20
m,p-Xylene	104	µg/L	1	100	<0.0363	104	80.5 - 118	1	20
Bromoform	50.8	µg/L	1	50.0	<0.0859	102	75.8 - 132	2	20
Styrene	54.9	µg/L	1	50.0	<0.0394	110	84.2 - 117	1	20
o-Xylene	53.7	µg/L	1	50.0	<0.0505	107	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	51.9	µg/L	1	50.0	<0.0672	104	69.7 - 124	0	20
2-Chlorotoluene	51.4	µg/L	1	50.0	<0.0283	103	76.5 - 123	1	20
1,2,3-Trichloropropane	52.1	µg/L	1	50.0	<0.0679	104	66.3 - 130	0	20
Isopropylbenzene	51.1	µg/L	1	50.0	<0.0406	102	78.3 - 123	2	20
Bromobenzene	51.5	µg/L	1	50.0	<0.103	103	79.9 - 122	0	20
n-Propylbenzene	48.9	µg/L	1	50.0	<0.0423	98	72.6 - 122	2	20
1,3,5-Trimethylbenzene	50.0	µg/L	1	50.0	<0.0557	100	69.6 - 127	2	20
tert-Butylbenzene	47.2	µg/L	1	50.0	<0.0770	94	64 - 129	3	20
1,2,4-Trimethylbenzene	50.2	µg/L	1	50.0	<0.0336	100	71 - 123	3	20
1,4-Dichlorobenzene (para)	47.2	µg/L	1	50.0	<0.0672	94	74 - 118	1	20
sec-Butylbenzene	46.0	µg/L	1	50.0	<0.0439	92	59.8 - 129	4	20
1,3-Dichlorobenzene (meta)	48.8	µg/L	1	50.0	<0.0672	98	80.2 - 119	1	20
p-Isopropyltoluene	46.4	µg/L	1	50.0	<0.0513	93	54.8 - 135	3	20
4-Chlorotoluene	51.3	µg/L	1	50.0	<0.0460	103	78.9 - 124	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichlorobenzene (ortho)	50.4	µg/L	1	50.0	<0.0629	101	80 - 120	1	20
n-Butylbenzene	44.8	µg/L	1	50.0	<0.0400	90	51.1 - 136	4	20
1,2-Dibromo-3-chloropropane	50.5	µg/L	1	50.0	<0.538	101	38.2 - 151	3	20
1,2,3-Trichlorobenzene	42.1	µg/L	1	50.0	<0.504	84	25.4 - 158	20	20
1,2,4-Trichlorobenzene	40.5	µg/L	1	50.0	<0.166	81	38.2 - 140	7	20
Naphthalene	47.1	µg/L	1	50.0	<0.417	94	33.3 - 152	16	20
Hexachlorobutadiene	42.0	µg/L	1	50.0	<0.176	84	49.1 - 134	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.2	50.2	µg/L	1	50.0	100	100	82.4 - 115
Toluene-d8	49.1	49.2	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.0	47.0	µg/L	1	50.0	94	94	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 116335

QC Batch: 34857 Date Analyzed: 2007-02-18 Analyzed By: JG
Prep Batch: 30239 QC Preparation: 2007-02-18 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	44.2	µg/L	1	50.0	<0.0736	88	78.7 - 119
Benzene	47.7	µg/L	1	50.0	<0.0495	95	75.8 - 125
Trichloroethene (TCE)	45.8	µg/L	1	50.0	<0.0495	92	83.6 - 112
Toluene	42.6	µg/L	1	50.0	<0.0736	85	81.6 - 115
Chlorobenzene	47.4	µg/L	1	50.0	<0.0217	95	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	43.8	µg/L	1	50.0	<0.0736	88	78.7 - 119	1	20
Benzene	47.6	µg/L	1	50.0	<0.0495	95	75.8 - 125	0	20
Trichloroethene (TCE)	45.6	µg/L	1	50.0	<0.0495	91	83.6 - 112	0	20
Toluene	42.6	µg/L	1	50.0	<0.0736	85	81.6 - 115	0	20
Chlorobenzene	46.6	µg/L	1	50.0	<0.0217	93	83.9 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	50.6	50.4	µg/L	1	50	101	101	86.6 - 114
Toluene-d8	50.4	49.4	µg/L	1	50	101	99	91 - 109
4-Bromofluorobenzene (4-BFB)	49.5	48.9	µg/L	1	50	99	98	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 116575

QC Batch: 34903 Date Analyzed: 2007-02-20 Analyzed By: JG
Prep Batch: 30281 QC Preparation: 2007-02-20 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.8	µg/L	1	50.0	<0.0736	102	78.7 - 119
Benzene	51.8	µg/L	1	50.0	<0.0495	104	75.8 - 125
Trichloroethene (TCE)	50.0	µg/L	1	50.0	<0.0495	100	83.6 - 112
Toluene	46.1	µg/L	1	50.0	<0.0736	92	81.6 - 115
Chlorobenzene	51.3	µg/L	1	50.0	<0.0217	103	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	48.0	µg/L	1	50.0	<0.0736	96	78.7 - 119	6	20
Benzene	49.6	µg/L	1	50.0	<0.0495	99	75.8 - 125	4	20
Trichloroethene (TCE)	48.2	µg/L	1	50.0	<0.0495	96	83.6 - 112	4	20
Toluene	44.2	µg/L	1	50.0	<0.0736	88	81.6 - 115	4	20
Chlorobenzene	49.0	µg/L	1	50.0	<0.0217	98	83.9 - 113	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	50.6	50.2	µg/L	1	50	101	100	86.6 - 114
Toluene-d8	50.1	49.7	µg/L	1	50	100	99	91 - 109
4-Bromofluorobenzene (4-BFB)	50.8	50.4	µg/L	1	50	102	101	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 117285

QC Batch: 34999 Date Analyzed: 2007-02-23 Analyzed By: JG
Prep Batch: 30372 QC Preparation: 2007-02-23 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	53.5	µg/L	1	50.0	<0.0736	107	78.7 - 119
Benzene	53.0	µg/L	1	50.0	<0.0495	106	75.8 - 125
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.0495	104	83.6 - 112
Toluene	46.8	µg/L	1	50.0	<0.0736	94	81.6 - 115
Chlorobenzene	51.6	µg/L	1	50.0	<0.0217	103	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.0736	101	78.7 - 119	6	20
Benzene	51.5	µg/L	1	50.0	<0.0495	103	75.8 - 125	3	20
Trichloroethene (TCE)	50.1	µg/L	1	50.0	<0.0495	100	83.6 - 112	4	20
Toluene	45.4	µg/L	1	50.0	<0.0736	91	81.6 - 115	3	20
Chlorobenzene	49.8	µg/L	1	50.0	<0.0217	100	83.9 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.5	51.8	µg/L	1	50	105	104	86.6 - 114
Toluene-d8	49.6	49.6	µg/L	1	50	99	99	91 - 109

continued ...

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	47.5	47.3	µg/L	1	50	95	95	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 117284

QC Batch: 35060 Date Analyzed: 2007-02-25 Analyzed By: JG
Prep Batch: 30429 QC Preparation: 2007-02-25 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	54.2	µg/L	1	50.0	<0.0699	108	82.5 - 118
Dichlorodifluoromethane	40.9	µg/L	1	50.0	<0.0598	82	46.8 - 125
Chloromethane (methyl chloride)	53.0	µg/L	1	50.0	<0.230	106	67.1 - 127
Vinyl Chloride	52.1	µg/L	1	50.0	<0.0902	104	63.7 - 129
Bromomethane (methyl bromide)	50.5	µg/L	1	50.0	<0.740	101	65.7 - 127
Chloroethane	53.5	µg/L	1	50.0	<0.195	107	69.9 - 131
Trichlorofluoromethane	61.9	µg/L	1	50.0	<0.160	124	60.2 - 134
Acetone	48.9	µg/L	1	50.0	<0.854	98	12.1 - 136
Iodomethane (methyl iodide)	52.2	µg/L	1	50.0	<0.112	104	75.7 - 115
Carbon Disulfide	53.2	µg/L	1	50.0	<0.0764	106	67.6 - 131
Acrylonitrile	55.4	µg/L	1	50.0	<0.184	111	79.9 - 131
2-Butanone (MEK)	48.6	µg/L	1	50.0	<0.394	97	28.7 - 137
4-Methyl-2-pentanone (MIBK)	53.7	µg/L	1	50.0	<0.484	107	77.1 - 122
2-Hexanone	57.0	µg/L	1	50.0	<0.0975	114	42.3 - 145
trans 1,4-Dichloro-2-butene	46.9	µg/L	1	50.0	<0.421	94	38.5 - 122
1,1-Dichloroethene	53.2	µg/L	1	50.0	<0.0736	106	78.7 - 119
Methylene chloride	46.8	µg/L	1	50.0	<0.689	94	64.9 - 121
MTBE	54.8	µg/L	1	50.0	<0.0504	110	46.6 - 162
trans-1,2-Dichloroethene	52.9	µg/L	1	50.0	<0.0598	106	75.1 - 119
1,1-Dichloroethane	53.5	µg/L	1	50.0	<0.0299	107	86.3 - 119
cis-1,2-Dichloroethene	53.7	µg/L	1	50.0	<0.101	107	82.6 - 116
2,2-Dichloropropane	33.2	µg/L	1	50.0	<0.0665	66	7.8 - 109
1,2-Dichloroethane (EDC)	53.8	µg/L	1	50.0	<0.0557	108	82.7 - 130
Chloroform	53.5	µg/L	1	50.0	<0.0475	107	83.6 - 119
1,1,1-Trichloroethane	54.6	µg/L	1	50.0	<0.0846	109	69.6 - 126
1,1-Dichloropropene	53.0	µg/L	1	50.0	<0.0423	106	79.2 - 121
Benzene	52.6	µg/L	1	50.0	<0.0495	105	75.8 - 125
Carbon Tetrachloride	55.6	µg/L	1	50.0	<0.121	111	58.7 - 143
1,2-Dichloropropane	53.0	µg/L	1	50.0	<0.0933	106	88.4 - 117
Trichloroethene (TCE)	51.5	µg/L	1	50.0	<0.0495	103	83.6 - 112
Dibromomethane (methylene bromide)	52.5	µg/L	1	50.0	<0.0640	105	90.7 - 117
Bromodichloromethane	54.3	µg/L	1	50.0	<0.0651	109	83.4 - 127
2-Chloroethyl vinyl ether	53.0	µg/L	1	50.0	<0.0905	106	10 - 211
cis-1,3-Dichloropropene	49.8	µg/L	1	50.0	<0.0640	100	78.6 - 113
trans-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.0504	102	81.8 - 113
Toluene	46.4	µg/L	1	50.0	<0.0736	93	81.6 - 115
1,1,2-Trichloroethane	52.1	µg/L	1	50.0	<0.106	104	83.2 - 122
1,3-Dichloropropane	51.6	µg/L	1	50.0	<0.0625	103	87.3 - 123
Dibromochloromethane	53.4	µg/L	1	50.0	<0.0791	107	81.4 - 130
1,2-Dibromoethane (EDB)	52.2	µg/L	1	50.0	<0.0460	104	91.4 - 118

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Tetrachloroethene (PCE)	49.2	µg/L	1	50.0	<0.0696	98	51.8 - 111
Chlorobenzene	50.2	µg/L	1	50.0	<0.0217	100	83.9 - 113
1,1,1,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.125	103	79.5 - 127
Ethylbenzene	51.7	µg/L	1	50.0	<0.0566	103	75.4 - 121
m,p-Xylene	104	µg/L	1	100	<0.0363	104	74 - 124
Bromoform	52.6	µg/L	1	50.0	<0.0859	105	77.5 - 134
Styrene	50.2	µg/L	1	50.0	<0.0394	100	10 - 180
o-Xylene	52.4	µg/L	1	50.0	<0.0504	105	75.4 - 126
1,1,2,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.0672	104	86.4 - 122
2-Chlorotoluene	50.9	µg/L	1	50.0	<0.0283	102	69.2 - 128
1,2,3-Trichloropropane	48.8	µg/L	1	50.0	<0.0679	98	75.8 - 121
Isopropylbenzene	50.9	µg/L	1	50.0	<0.0406	102	69.6 - 127
Bromobenzene	49.2	µg/L	1	50.0	<0.103	98	77.1 - 125
n-Propylbenzene	50.3	µg/L	1	50.0	<0.0423	101	67.1 - 125
1,3,5-Trimethylbenzene	50.8	µg/L	1	50.0	<0.0557	102	66.1 - 126
tert-Butylbenzene	50.1	µg/L	1	50.0	<0.0770	100	63.9 - 126
1,2,4-Trimethylbenzene	49.8	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	48.2	µg/L	1	50.0	<0.0672	96	66.7 - 119
sec-Butylbenzene	50.8	µg/L	1	50.0	<0.0439	102	57.6 - 127
1,3-Dichlorobenzene (meta)	49.0	µg/L	1	50.0	<0.0672	98	78.8 - 118
p-Isopropyltoluene	50.4	µg/L	1	50.0	<0.0513	101	56.6 - 128
4-Chlorotoluene	49.8	µg/L	1	50.0	<0.0460	100	74 - 127
1,2-Dichlorobenzene (ortho)	49.5	µg/L	1	50.0	<0.0629	99	81.2 - 119
n-Butylbenzene	50.0	µg/L	1	50.0	<0.0400	100	50.4 - 130
1,2-Dibromo-3-chloropropane	47.8	µg/L	1	50.0	<0.538	96	55.7 - 152
1,2,3-Trichlorobenzene	55.9	µg/L	1	50.0	<0.504	112	32.6 - 149
1,2,4-Trichlorobenzene	52.1	µg/L	1	50.0	<0.166	104	35.8 - 144
Naphthalene	46.7	µg/L	1	50.0	<0.417	93	36.7 - 156
Hexachlorobutadiene	50.2	µg/L	1	50.0	<0.176	100	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.2	µg/L	1	50.0	<0.0699	102	82.5 - 118	6	20
Dichlorodifluoromethane	41.0	µg/L	1	50.0	<0.0598	82	46.8 - 125	0	20
Chloromethane (methyl chloride)	50.2	µg/L	1	50.0	<0.230	100	67.1 - 127	5	20
Vinyl Chloride	50.0	µg/L	1	50.0	<0.0902	100	63.7 - 129	4	20
Bromomethane (methyl bromide)	48.0	µg/L	1	50.0	<0.740	96	65.7 - 127	5	20
Chloroethane	52.1	µg/L	1	50.0	<0.195	104	69.9 - 131	3	20
Trichlorofluoromethane	59.3	µg/L	1	50.0	<0.160	119	60.2 - 134	4	20
Acetone	44.2	µg/L	1	50.0	<0.854	88	12.1 - 136	10	20
Iodomethane (methyl iodide)	49.2	µg/L	1	50.0	<0.112	98	75.7 - 115	6	20
Carbon Disulfide	49.6	µg/L	1	50.0	<0.0764	99	67.6 - 131	7	20
Acrylonitrile	52.3	µg/L	1	50.0	<0.184	105	79.9 - 131	6	20
2-Butanone (MEK)	46.0	µg/L	1	50.0	<0.394	92	28.7 - 137	6	20
4-Methyl-2-pentanone (MIBK)	49.0	µg/L	1	50.0	<0.484	98	77.1 - 122	9	20
2-Hexanone	52.5	µg/L	1	50.0	<0.0975	105	42.3 - 145	8	20
trans 1,4-Dichloro-2-butene	42.4	µg/L	1	50.0	<0.421	85	38.5 - 122	10	20
1,1-Dichloroethene	49.7	µg/L	1	50.0	<0.0736	99	78.7 - 119	7	20
Methylene chloride	44.8	µg/L	1	50.0	<0.689	90	64.9 - 121	4	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	51.0	µg/L	1	50.0	<0.0504	102	46.6 - 162	7	20
trans-1,2-Dichloroethene	49.7	µg/L	1	50.0	<0.0598	99	75.1 - 119	6	20
1,1-Dichloroethane	50.9	µg/L	1	50.0	<0.0299	102	86.3 - 119	5	20
cis-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.101	102	82.6 - 116	5	20
2,2-Dichloropropane [8]	29.8	µg/L	1	50.0	<0.0665	60	7.8 - 109	11	20
1,2-Dichloroethane (EDC)	50.6	µg/L	1	50.0	<0.0557	101	82.7 - 130	6	20
Chloroform	50.8	µg/L	1	50.0	<0.0475	102	83.6 - 119	5	20
1,1,1-Trichloroethane	51.1	µg/L	1	50.0	<0.0846	102	69.6 - 126	7	20
1,1-Dichloropropene	51.0	µg/L	1	50.0	<0.0423	102	79.2 - 121	4	20
Benzene	50.4	µg/L	1	50.0	<0.0495	101	75.8 - 125	4	20
Carbon Tetrachloride	53.2	µg/L	1	50.0	<0.121	106	58.7 - 143	4	20
1,2-Dichloropropane	51.0	µg/L	1	50.0	<0.0933	102	88.4 - 117	4	20
Trichloroethene (TCE)	49.0	µg/L	1	50.0	<0.0495	98	83.6 - 112	5	20
Dibromomethane (methylene bromide)	50.0	µg/L	1	50.0	<0.0640	100	90.7 - 117	5	20
Bromodichloromethane	52.1	µg/L	1	50.0	<0.0651	104	83.4 - 127	4	20
2-Chloroethyl vinyl ether	51.0	µg/L	1	50.0	<0.0905	102	10 - 211	4	20
cis-1,3-Dichloropropene	47.6	µg/L	1	50.0	<0.0640	95	78.6 - 113	4	20
trans-1,3-Dichloropropene	48.4	µg/L	1	50.0	<0.0504	97	81.8 - 113	5	20
Toluene	44.0	µg/L	1	50.0	<0.0736	88	81.6 - 115	5	20
1,1,2-Trichloroethane	49.9	µg/L	1	50.0	<0.106	100	83.2 - 122	4	20
1,3-Dichloropropane	49.4	µg/L	1	50.0	<0.0625	99	87.3 - 123	4	20
Dibromochloromethane	51.2	µg/L	1	50.0	<0.0791	102	81.4 - 130	4	20
1,2-Dibromoethane (EDB)	49.1	µg/L	1	50.0	<0.0460	98	91.4 - 118	6	20
Tetrachloroethene (PCE)	46.8	µg/L	1	50.0	<0.0696	94	51.8 - 111	5	20
Chlorobenzene	48.1	µg/L	1	50.0	<0.0217	96	83.9 - 113	4	20
1,1,1,2-Tetrachloroethane	49.7	µg/L	1	50.0	<0.125	99	79.5 - 127	4	20
Ethylbenzene	49.7	µg/L	1	50.0	<0.0566	99	75.4 - 121	4	20
m,p-Xylene	99.6	µg/L	1	100	<0.0363	100	74 - 124	4	20
Bromoform	49.4	µg/L	1	50.0	<0.0859	99	77.5 - 134	6	20
Styrene	47.8	µg/L	1	50.0	<0.0394	96	10 - 180	5	20
o-Xylene	50.1	µg/L	1	50.0	<0.0504	100	75.4 - 126	4	20
1,1,2,2-Tetrachloroethane	49.6	µg/L	1	50.0	<0.0672	99	86.4 - 122	5	20
2-Chlorotoluene	48.1	µg/L	1	50.0	<0.0283	96	69.2 - 128	6	20
1,2,3-Trichloropropane	45.8	µg/L	1	50.0	<0.0679	92	75.8 - 121	6	20
Isopropylbenzene	48.6	µg/L	1	50.0	<0.0406	97	69.6 - 127	5	20
Bromobenzene	46.9	µg/L	1	50.0	<0.103	94	77.1 - 125	5	20
n-Propylbenzene	48.0	µg/L	1	50.0	<0.0423	96	67.1 - 125	5	20
1,3,5-Trimethylbenzene	48.7	µg/L	1	50.0	<0.0557	97	66.1 - 126	4	20
tert-Butylbenzene	47.9	µg/L	1	50.0	<0.0770	96	63.9 - 126	4	20
1,2,4-Trimethylbenzene	47.4	µg/L	1	50.0	<0.0336	95	65 - 123	5	20
1,4-Dichlorobenzene (para)	45.6	µg/L	1	50.0	<0.0672	91	66.7 - 119	6	20
sec-Butylbenzene	48.2	µg/L	1	50.0	<0.0439	96	57.6 - 127	5	20
1,3-Dichlorobenzene (meta)	46.5	µg/L	1	50.0	<0.0672	93	78.8 - 118	5	20
p-Isopropyltoluene	47.7	µg/L	1	50.0	<0.0513	95	56.6 - 128	6	20
4-Chlorotoluene	47.6	µg/L	1	50.0	<0.0460	95	74 - 127	4	20
1,2-Dichlorobenzene (ortho)	47.2	µg/L	1	50.0	<0.0629	94	81.2 - 119	5	20
n-Butylbenzene	47.0	µg/L	1	50.0	<0.0400	94	50.4 - 130	6	20
1,2-Dibromo-3-chloropropane	45.0	µg/L	1	50.0	<0.538	90	55.7 - 152	6	20
1,2,3-Trichlorobenzene	53.2	µg/L	1	50.0	<0.504	106	32.6 - 149	5	20

continued . . .

[8] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene	48.0	µg/L	1	50.0	<0.166	96	35.8 - 144	8	20
Naphthalene	44.0	µg/L	1	50.0	<0.417	88	36.7 - 156	6	20
Hexachlorobutadiene	46.0	µg/L	1	50.0	<0.176	92	39.6 - 125	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.8	51.9	µg/L	1	50	106	104	86.6 - 114
Toluene-d8	49.7	49.5	µg/L	1	50	99	99	91 - 109
4-Bromofluorobenzene (4-BFB)	48.4	48.8	µg/L	1	50	97	98	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 117467

QC Batch: 35097 Date Analyzed: 2007-02-26 Analyzed By: JG
Prep Batch: 30455 QC Preparation: 2007-02-26 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	53.3	µg/L	1	50.0	<0.0699	107	82.5 - 118
Dichlorodifluoromethane	37.6	µg/L	1	50.0	<0.0598	75	46.8 - 125
Chloromethane (methyl chloride)	54.0	µg/L	1	50.0	<0.230	108	67.1 - 127
Vinyl Chloride	52.9	µg/L	1	50.0	<0.0902	106	63.7 - 129
Bromomethane (methyl bromide)	53.4	µg/L	1	50.0	<0.740	107	65.7 - 127
Chloroethane	57.0	µg/L	1	50.0	<0.195	114	69.9 - 131
Trichlorofluoromethane	59.8	µg/L	1	50.0	<0.160	120	60.2 - 134
Acetone	44.2	µg/L	1	50.0	<0.854	88	12.1 - 136
Iodomethane (methyl iodide)	50.6	µg/L	1	50.0	<0.112	101	75.7 - 115
Carbon Disulfide	50.9	µg/L	1	50.0	<0.0764	102	67.6 - 131
Acrylonitrile	53.3	µg/L	1	50.0	<0.184	107	79.9 - 131
2-Butanone (MEK)	44.9	µg/L	1	50.0	<0.394	90	28.7 - 137
4-Methyl-2-pentanone (MIBK)	47.2	µg/L	1	50.0	<0.484	94	77.1 - 122
2-Hexanone	51.4	µg/L	1	50.0	<0.0975	103	42.3 - 145
trans 1,4-Dichloro-2-butene	42.6	µg/L	1	50.0	<0.421	85	38.5 - 122
1,1-Dichloroethene	50.4	µg/L	1	50.0	<0.0736	101	78.7 - 119
Methylene chloride	46.8	µg/L	1	50.0	<0.689	94	64.9 - 121
MTBE	52.0	µg/L	1	50.0	<0.0504	104	46.6 - 162
trans-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.0598	102	75.1 - 119
1,1-Dichloroethane	52.4	µg/L	1	50.0	<0.0299	105	86.3 - 119
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.101	106	82.6 - 116
2,2-Dichloropropane	31.1	µg/L	1	50.0	<0.0665	62	7.8 - 109
1,2-Dichloroethane (EDC)	52.6	µg/L	1	50.0	<0.0557	105	82.7 - 130
Chloroform	53.3	µg/L	1	50.0	<0.0475	107	83.6 - 119
1,1,1-Trichloroethane	52.3	µg/L	1	50.0	<0.0846	105	69.6 - 126
1,1-Dichloropropene	50.8	µg/L	1	50.0	<0.0423	102	79.2 - 121
Benzene	51.3	µg/L	1	50.0	<0.0495	103	75.8 - 125
Carbon Tetrachloride	52.8	µg/L	1	50.0	<0.121	106	58.7 - 143
1,2-Dichloropropane	52.3	µg/L	1	50.0	<0.0933	105	88.4 - 117
Trichloroethene (TCE)	49.1	µg/L	1	50.0	<0.0495	98	83.6 - 112
Dibromomethane (methylene bromide)	51.2	µg/L	1	50.0	<0.0640	102	90.7 - 117

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromodichloromethane	53.0	µg/L	1	50.0	<0.0651	106	83.4 - 127
2-Chloroethyl vinyl ether	52.3	µg/L	1	50.0	<0.0905	105	10 - 211
cis-1,3-Dichloropropene	47.5	µg/L	1	50.0	<0.0640	95	78.6 - 113
trans-1,3-Dichloropropene	49.7	µg/L	1	50.0	<0.0504	99	81.8 - 113
Toluene	44.8	µg/L	1	50.0	<0.0736	90	81.6 - 115
1,1,2-Trichloroethane	48.8	µg/L	1	50.0	<0.106	98	83.2 - 122
1,3-Dichloropropane	49.2	µg/L	1	50.0	<0.0625	98	87.3 - 123
Dibromochloromethane	50.0	µg/L	1	50.0	<0.0791	100	81.4 - 130
1,2-Dibromoethane (EDB)	48.1	µg/L	1	50.0	<0.0460	96	91.4 - 118
Tetrachloroethene (PCE)	45.4	µg/L	1	50.0	<0.0696	91	51.8 - 111
Chlorobenzene	47.8	µg/L	1	50.0	<0.0217	96	83.9 - 113
1,1,1,2-Tetrachloroethane	49.2	µg/L	1	50.0	<0.125	98	79.5 - 127
Ethylbenzene	49.7	µg/L	1	50.0	<0.0566	99	75.4 - 121
m,p-Xylene	100	µg/L	1	100	<0.0363	100	74 - 124
Bromoform	47.3	µg/L	1	50.0	<0.0859	95	77.5 - 134
Styrene	45.9	µg/L	1	50.0	<0.0394	92	10 - 180
o-Xylene	50.6	µg/L	1	50.0	<0.0504	101	75.4 - 126
1,1,2,2-Tetrachloroethane	47.5	µg/L	1	50.0	<0.0672	95	86.4 - 122
2-Chlorotoluene	47.7	µg/L	1	50.0	<0.0283	95	69.2 - 128
1,2,3-Trichloropropane	43.8	µg/L	1	50.0	<0.0679	88	75.8 - 121
Isopropylbenzene	48.2	µg/L	1	50.0	<0.0406	96	69.6 - 127
Bromobenzene	46.4	µg/L	1	50.0	<0.103	93	77.1 - 125
n-Propylbenzene	47.4	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	47.8	µg/L	1	50.0	<0.0557	96	66.1 - 126
tert-Butylbenzene	47.3	µg/L	1	50.0	<0.0770	95	63.9 - 126
1,2,4-Trimethylbenzene	47.2	µg/L	1	50.0	<0.0336	94	65 - 123
1,4-Dichlorobenzene (para)	45.4	µg/L	1	50.0	<0.0672	91	66.7 - 119
sec-Butylbenzene	47.4	µg/L	1	50.0	<0.0439	95	57.6 - 127
1,3-Dichlorobenzene (meta)	45.8	µg/L	1	50.0	<0.0672	92	78.8 - 118
p-Isopropyltoluene	47.4	µg/L	1	50.0	<0.0513	95	56.6 - 128
4-Chlorotoluene	47.0	µg/L	1	50.0	<0.0460	94	74 - 127
1,2-Dichlorobenzene (ortho)	46.2	µg/L	1	50.0	<0.0629	92	81.2 - 119
n-Butylbenzene	46.5	µg/L	1	50.0	<0.0400	93	50.4 - 130
1,2-Dibromo-3-chloropropane	39.6	µg/L	1	50.0	<0.538	79	55.7 - 152
1,2,3-Trichlorobenzene	51.7	µg/L	1	50.0	<0.504	103	32.6 - 149
1,2,4-Trichlorobenzene	45.6	µg/L	1	50.0	<0.166	91	35.8 - 144
Naphthalene	40.8	µg/L	1	50.0	<0.417	82	36.7 - 156
Hexachlorobutadiene	45.7	µg/L	1	50.0	<0.176	91	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.2	µg/L	1	50.0	<0.0699	104	82.5 - 118	2	20
Dichlorodifluoromethane	35.5	µg/L	1	50.0	<0.0598	71	46.8 - 125	6	20
Chloromethane (methyl chloride)	50.9	µg/L	1	50.0	<0.230	102	67.1 - 127	6	20
Vinyl Chloride	49.8	µg/L	1	50.0	<0.0902	100	63.7 - 129	6	20
Bromomethane (methyl bromide)	50.2	µg/L	1	50.0	<0.740	100	65.7 - 127	6	20
Chloroethane	53.5	µg/L	1	50.0	<0.195	107	69.9 - 131	6	20
Trichlorofluoromethane	53.9	µg/L	1	50.0	<0.160	108	60.2 - 134	10	20
Acetone	45.3	µg/L	1	50.0	<0.854	91	12.1 - 136	2	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Iodomethane (methyl iodide)	49.5	µg/L	1	50.0	<0.112	99	75.7 - 115	2	20
Carbon Disulfide	49.2	µg/L	1	50.0	<0.0764	98	67.6 - 131	3	20
Acrylonitrile	54.4	µg/L	1	50.0	<0.184	109	79.9 - 131	2	20
2-Butanone (MEK)	45.3	µg/L	1	50.0	<0.394	91	28.7 - 137	1	20
4-Methyl-2-pentanone (MIBK)	49.1	µg/L	1	50.0	<0.484	98	77.1 - 122	4	20
2-Hexanone	53.2	µg/L	1	50.0	<0.0975	106	42.3 - 145	3	20
trans 1,4-Dichloro-2-butene	41.8	µg/L	1	50.0	<0.421	84	38.5 - 122	2	20
1,1-Dichloroethene	49.0	µg/L	1	50.0	<0.0736	98	78.7 - 119	3	20
Methylene chloride	45.4	µg/L	1	50.0	<0.689	91	64.9 - 121	3	20
MTBE	51.7	µg/L	1	50.0	<0.0504	103	46.6 - 162	1	20
trans-1,2-Dichloroethene	50.2	µg/L	1	50.0	<0.0598	100	75.1 - 119	2	20
1,1-Dichloroethane	51.0	µg/L	1	50.0	<0.0299	102	86.3 - 119	3	20
cis-1,2-Dichloroethene	51.4	µg/L	1	50.0	<0.101	103	82.6 - 116	3	20
2,2-Dichloropropane [9]	28.9	µg/L	1	50.0	<0.0665	58	7.8 - 109	7	20
1,2-Dichloroethane (EDC)	52.0	µg/L	1	50.0	<0.0557	104	82.7 - 130	1	20
Chloroform	51.8	µg/L	1	50.0	<0.0475	104	83.6 - 119	3	20
1,1,1-Trichloroethane	50.9	µg/L	1	50.0	<0.0846	102	69.6 - 126	3	20
1,1-Dichloropropene	50.5	µg/L	1	50.0	<0.0423	101	79.2 - 121	1	20
Benzene	50.6	µg/L	1	50.0	<0.0495	101	75.8 - 125	1	20
Carbon Tetrachloride	52.0	µg/L	1	50.0	<0.121	104	58.7 - 143	2	20
1,2-Dichloropropane	51.7	µg/L	1	50.0	<0.0933	103	88.4 - 117	1	20
Trichloroethene (TCE)	48.7	µg/L	1	50.0	<0.0495	97	83.6 - 112	1	20
Dibromomethane (methylene bromide)	50.5	µg/L	1	50.0	<0.0640	101	90.7 - 117	1	20
Bromodichloromethane	52.3	µg/L	1	50.0	<0.0651	105	83.4 - 127	1	20
2-Chloroethyl vinyl ether	51.7	µg/L	1	50.0	<0.0905	103	10 - 211	1	20
cis-1,3-Dichloropropene	47.0	µg/L	1	50.0	<0.0640	94	78.6 - 113	1	20
trans-1,3-Dichloropropene	49.1	µg/L	1	50.0	<0.0504	98	81.8 - 113	1	20
Toluene	44.8	µg/L	1	50.0	<0.0736	90	81.6 - 115	0	20
1,1,2-Trichloroethane	48.9	µg/L	1	50.0	<0.106	98	83.2 - 122	0	20
1,3-Dichloropropane	48.8	µg/L	1	50.0	<0.0625	98	87.3 - 123	1	20
Dibromochloromethane	50.1	µg/L	1	50.0	<0.0791	100	81.4 - 130	0	20
1,2-Dibromoethane (EDB)	48.1	µg/L	1	50.0	<0.0460	96	91.4 - 118	0	20
Tetrachloroethene (PCE)	44.7	µg/L	1	50.0	<0.0696	89	51.8 - 111	2	20
Chlorobenzene	47.2	µg/L	1	50.0	<0.0217	94	83.9 - 113	1	20
1,1,1,2-Tetrachloroethane	48.3	µg/L	1	50.0	<0.125	97	79.5 - 127	2	20
Ethylbenzene	48.7	µg/L	1	50.0	<0.0566	97	75.4 - 121	2	20
m,p-Xylene	98.0	µg/L	1	100	<0.0363	98	74 - 124	2	20
Bromoform	47.3	µg/L	1	50.0	<0.0859	95	77.5 - 134	0	20
Styrene	45.1	µg/L	1	50.0	<0.0394	90	10 - 180	2	20
o-Xylene	49.6	µg/L	1	50.0	<0.0504	99	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane	48.2	µg/L	1	50.0	<0.0672	96	86.4 - 122	2	20
2-Chlorotoluene	46.6	µg/L	1	50.0	<0.0283	93	69.2 - 128	2	20
1,2,3-Trichloropropane	43.6	µg/L	1	50.0	<0.0679	87	75.8 - 121	0	20
Isopropylbenzene	46.7	µg/L	1	50.0	<0.0406	93	69.6 - 127	3	20
Bromobenzene	45.4	µg/L	1	50.0	<0.103	91	77.1 - 125	2	20
n-Propylbenzene	46.0	µg/L	1	50.0	<0.0423	92	67.1 - 125	3	20
1,3,5-Trimethylbenzene	47.2	µg/L	1	50.0	<0.0557	94	66.1 - 126	1	20
tert-Butylbenzene	46.4	µg/L	1	50.0	<0.0770	93	63.9 - 126	2	20
1,2,4-Trimethylbenzene	45.8	µg/L	1	50.0	<0.0336	92	65 - 123	3	20

continued . . .

[9] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly. •

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,4-Dichlorobenzene (para)	44.7	µg/L	1	50.0	<0.0672	89	66.7 - 119	2	20
sec-Butylbenzene	46.4	µg/L	1	50.0	<0.0439	93	57.6 - 127	2	20
1,3-Dichlorobenzene (meta)	45.5	µg/L	1	50.0	<0.0672	91	78.8 - 118	1	20
p-Isopropyltoluene	45.9	µg/L	1	50.0	<0.0513	92	56.6 - 128	3	20
4-Chlorotoluene	45.8	µg/L	1	50.0	<0.0460	92	74 - 127	3	20
1,2-Dichlorobenzene (ortho)	45.9	µg/L	1	50.0	<0.0629	92	81.2 - 119	1	20
n-Butylbenzene	45.2	µg/L	1	50.0	<0.0400	90	50.4 - 130	3	20
1,2-Dibromo-3-chloropropane	41.8	µg/L	1	50.0	<0.538	84	55.7 - 152	5	20
1,2,3-Trichlorobenzene	55.2	µg/L	1	50.0	<0.504	110	32.6 - 149	6	20
1,2,4-Trichlorobenzene	47.7	µg/L	1	50.0	<0.166	95	35.8 - 144	4	20
Naphthalene	43.9	µg/L	1	50.0	<0.417	88	36.7 - 156	7	20
Hexachlorobutadiene	46.2	µg/L	1	50.0	<0.176	92	39.6 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	54.2	53.6	µg/L	1	50	108	107	86.6 - 114
Toluene-d8	49.5	50.2	µg/L	1	50	99	100	91 - 109
4-Bromofluorobenzene (4-BFB)	49.0	49.6	µg/L	1	50	98	99	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 117623

QC Batch: 35223 Date Analyzed: 2007-03-01 Analyzed By: JG
Prep Batch: 30569 QC Preparation: 2007-03-01 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	50.5	µg/L	1	50.0	<0.0699	101	82.5 - 118
Dichlorodifluoromethane	37.0	µg/L	1	50.0	<0.0598	74	46.8 - 125
Chloromethane (methyl chloride)	51.0	µg/L	1	50.0	<0.230	102	67.1 - 127
Vinyl Chloride	51.4	µg/L	1	50.0	<0.0902	103	63.7 - 129
Bromomethane (methyl bromide)	53.4	µg/L	1	50.0	<0.740	107	65.7 - 127
Chloroethane	55.9	µg/L	1	50.0	<0.195	112	69.9 - 131
Trichlorofluoromethane	60.5	µg/L	1	50.0	<0.160	121	60.2 - 134
Acetone	37.7	µg/L	1	50.0	<0.854	75	12.1 - 136
Iodomethane (methyl iodide)	49.3	µg/L	1	50.0	<0.112	99	75.7 - 115
Carbon Disulfide	49.3	µg/L	1	50.0	<0.0764	99	67.6 - 131
Acrylonitrile	52.4	µg/L	1	50.0	<0.184	105	79.9 - 131
2-Butanone (MEK)	44.3	µg/L	1	50.0	<0.394	89	28.7 - 137
4-Methyl-2-pentanone (MIBK)	46.2	µg/L	1	50.0	<0.484	92	77.1 - 122
2-Hexanone	50.5	µg/L	1	50.0	<0.0975	101	42.3 - 145
trans 1,4-Dichloro-2-butene	41.2	µg/L	1	50.0	<0.421	82	38.5 - 122
1,1-Dichloroethene	49.8	µg/L	1	50.0	<0.0736	100	78.7 - 119
Methylene chloride	44.2	µg/L	1	50.0	<0.689	88	64.9 - 121
MTBE	50.5	µg/L	1	50.0	<0.0504	101	46.6 - 162
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.0598	101	75.1 - 119
1,1-Dichloroethane	49.9	µg/L	1	50.0	<0.0299	100	86.3 - 119
cis-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.101	100	82.6 - 116
2,2-Dichloropropane	51.5	µg/L	1	50.0	<0.0665	103	7.8 - 109

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dichloroethane (EDC)	50.0	µg/L	1	50.0	<0.0557	100	82.7 - 130
Chloroform	50.3	µg/L	1	50.0	<0.0475	101	83.6 - 119
1,1,1-Trichloroethane	51.4	µg/L	1	50.0	<0.0846	103	69.6 - 126
1,1-Dichloropropene	50.2	µg/L	1	50.0	<0.0423	100	79.2 - 121
Benzene	49.4	µg/L	1	50.0	<0.0495	99	75.8 - 125
Carbon Tetrachloride	52.1	µg/L	1	50.0	<0.121	104	58.7 - 143
1,2-Dichloropropane	50.4	µg/L	1	50.0	<0.0933	101	88.4 - 117
Trichloroethene (TCE)	47.8	µg/L	1	50.0	<0.0495	96	83.6 - 112
Dibromomethane (methylene bromide)	49.8	µg/L	1	50.0	<0.0640	100	90.7 - 117
Bromodichloromethane	50.8	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	50.4	µg/L	1	50.0	<0.0905	101	10 - 211
cis-1,3-Dichloropropene	49.1	µg/L	1	50.0	<0.0640	98	78.6 - 113
trans-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.0504	102	81.8 - 113
Toluene	44.0	µg/L	1	50.0	<0.0736	88	81.6 - 115
1,1,2-Trichloroethane	49.8	µg/L	1	50.0	<0.106	100	83.2 - 122
1,3-Dichloropropane	50.2	µg/L	1	50.0	<0.0625	100	87.3 - 123
Dibromochloromethane	49.8	µg/L	1	50.0	<0.0791	100	81.4 - 130
1,2-Dibromoethane (EDB)	49.1	µg/L	1	50.0	<0.0460	98	91.4 - 118
Tetrachloroethene (PCE)	48.5	µg/L	1	50.0	<0.0696	97	51.8 - 111
Chlorobenzene	48.7	µg/L	1	50.0	<0.0217	97	83.9 - 113
1,1,1,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.125	100	79.5 - 127
Ethylbenzene	50.6	µg/L	1	50.0	<0.0566	101	75.4 - 121
m,p-Xylene	102	µg/L	1	100	<0.0363	102	74 - 124
Bromoform	45.6	µg/L	1	50.0	<0.0859	91	77.5 - 134
Styrene	49.5	µg/L	1	50.0	<0.0394	99	10 - 180
o-Xylene	51.0	µg/L	1	50.0	<0.0504	102	75.4 - 126
1,1,2,2-Tetrachloroethane	46.8	µg/L	1	50.0	<0.0672	94	86.4 - 122
2-Chlorotoluene	51.5	µg/L	1	50.0	<0.0283	103	69.2 - 128
1,2,3-Trichloropropane	47.1	µg/L	1	50.0	<0.0679	94	75.8 - 121
Isopropylbenzene	51.7	µg/L	1	50.0	<0.0406	103	69.6 - 127
Bromobenzene	49.4	µg/L	1	50.0	<0.103	99	77.1 - 125
n-Propylbenzene	51.7	µg/L	1	50.0	<0.0423	103	67.1 - 125
1,3,5-Trimethylbenzene	51.7	µg/L	1	50.0	<0.0557	103	66.1 - 126
tert-Butylbenzene	50.4	µg/L	1	50.0	<0.0770	101	63.9 - 126
1,2,4-Trimethylbenzene	50.9	µg/L	1	50.0	<0.0336	102	65 - 123
1,4-Dichlorobenzene (para)	48.0	µg/L	1	50.0	<0.0672	96	66.7 - 119
sec-Butylbenzene	51.4	µg/L	1	50.0	<0.0439	103	57.6 - 127
1,3-Dichlorobenzene (meta)	48.8	µg/L	1	50.0	<0.0672	98	78.8 - 118
p-Isopropyltoluene	51.0	µg/L	1	50.0	<0.0513	102	56.6 - 128
4-Chlorotoluene	50.6	µg/L	1	50.0	<0.0460	101	74 - 127
1,2-Dichlorobenzene (ortho)	47.8	µg/L	1	50.0	<0.0629	96	81.2 - 119
n-Butylbenzene	50.9	µg/L	1	50.0	<0.0400	102	50.4 - 130
1,2-Dibromo-3-chloropropane	31.6	µg/L	1	50.0	<0.538	63	55.7 - 152
1,2,3-Trichlorobenzene	30.8	µg/L	1	50.0	<0.504	62	32.6 - 149
1,2,4-Trichlorobenzene	28.6	µg/L	1	50.0	<0.166	57	35.8 - 144
Naphthalene	22.9	µg/L	1	50.0	<0.417	46	36.7 - 156
Hexachlorobutadiene	40.0	µg/L	1	50.0	<0.176	80	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		49.6	µg/L	1	50.0	<0.0699	99	82.5 - 118	2	20
Dichlorodifluoromethane	[10]	33.5	µg/L	1	50.0	<0.0598	67	46.8 - 125	10	20
Chloromethane (methyl chloride)		49.8	µg/L	1	50.0	<0.230	100	67.1 - 127	2	20
Vinyl Chloride		50.2	µg/L	1	50.0	<0.0902	100	63.7 - 129	2	20
Bromomethane (methyl bromide)		51.4	µg/L	1	50.0	<0.740	103	65.7 - 127	4	20
Chloroethane		54.2	µg/L	1	50.0	<0.195	108	69.9 - 131	3	20
Trichlorofluoromethane		56.9	µg/L	1	50.0	<0.160	114	60.2 - 134	6	20
Acetone		40.0	µg/L	1	50.0	<0.854	80	12.1 - 136	6	20
Iodomethane (methyl iodide)		46.7	µg/L	1	50.0	<0.112	93	75.7 - 115	5	20
Carbon Disulfide		46.4	µg/L	1	50.0	<0.0764	93	67.6 - 131	6	20
Acrylonitrile		51.6	µg/L	1	50.0	<0.184	103	79.9 - 131	2	20
2-Butanone (MEK)		44.5	µg/L	1	50.0	<0.394	89	28.7 - 137	0	20
4-Methyl-2-pentanone (MIBK)		46.8	µg/L	1	50.0	<0.484	94	77.1 - 122	1	20
2-Hexanone		51.0	µg/L	1	50.0	<0.0975	102	42.3 - 145	1	20
trans 1,4-Dichloro-2-butene		42.4	µg/L	1	50.0	<0.421	85	38.5 - 122	3	20
1,1-Dichloroethene		46.7	µg/L	1	50.0	<0.0736	93	78.7 - 119	6	20
Methylene chloride		43.0	µg/L	1	50.0	<0.689	86	64.9 - 121	3	20
MTBE		49.1	µg/L	1	50.0	<0.0504	98	46.6 - 162	3	20
trans-1,2-Dichloroethene		48.2	µg/L	1	50.0	<0.0598	96	75.1 - 119	4	20
1,1-Dichloroethane		48.9	µg/L	1	50.0	<0.0299	98	86.3 - 119	2	20
cis-1,2-Dichloroethene		49.1	µg/L	1	50.0	<0.101	98	82.6 - 116	2	20
2,2-Dichloropropane		47.2	µg/L	1	50.0	<0.0665	94	7.8 - 109	9	20
1,2-Dichloroethane (EDC)		48.9	µg/L	1	50.0	<0.0557	98	82.7 - 130	2	20
Chloroform		49.4	µg/L	1	50.0	<0.0475	99	83.6 - 119	2	20
1,1,1-Trichloroethane		48.6	µg/L	1	50.0	<0.0846	97	69.6 - 126	6	20
1,1-Dichloropropene		48.3	µg/L	1	50.0	<0.0423	97	79.2 - 121	4	20
Benzene		48.4	µg/L	1	50.0	<0.0495	97	75.8 - 125	2	20
Carbon Tetrachloride		49.7	µg/L	1	50.0	<0.121	99	58.7 - 143	5	20
1,2-Dichloropropane		49.5	µg/L	1	50.0	<0.0933	99	88.4 - 117	2	20
Trichloroethene (TCE)		46.7	µg/L	1	50.0	<0.0495	93	83.6 - 112	2	20
Dibromomethane (methylene bromide)		49.1	µg/L	1	50.0	<0.0640	98	90.7 - 117	1	20
Bromodichloromethane		49.5	µg/L	1	50.0	<0.0651	99	83.4 - 127	3	20
2-Chloroethyl vinyl ether		49.5	µg/L	1	50.0	<0.0905	99	10 - 211	2	20
cis-1,3-Dichloropropene		48.6	µg/L	1	50.0	<0.0640	97	78.6 - 113	1	20
trans-1,3-Dichloropropene		49.9	µg/L	1	50.0	<0.0504	100	81.8 - 113	2	20
Toluene		42.3	µg/L	1	50.0	<0.0736	85	81.6 - 115	4	20
1,1,2-Trichloroethane		49.6	µg/L	1	50.0	<0.106	99	83.2 - 122	0	20
1,3-Dichloropropane		49.2	µg/L	1	50.0	<0.0625	98	87.3 - 123	2	20
Dibromochloromethane		49.4	µg/L	1	50.0	<0.0791	99	81.4 - 130	1	20
1,2-Dibromoethane (EDB)		48.7	µg/L	1	50.0	<0.0460	97	91.4 - 118	1	20
Tetrachloroethene (PCE)		45.8	µg/L	1	50.0	<0.0696	92	51.8 - 111	6	20
Chlorobenzene		47.5	µg/L	1	50.0	<0.0217	95	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane		50.0	µg/L	1	50.0	<0.125	100	79.5 - 127	0	20
Ethylbenzene		49.3	µg/L	1	50.0	<0.0566	99	75.4 - 121	3	20
m,p-Xylene		100	µg/L	1	100	<0.0363	100	74 - 124	2	20
Bromoform		46.5	µg/L	1	50.0	<0.0859	93	77.5 - 134	2	20
Styrene		49.2	µg/L	1	50.0	<0.0394	98	10 - 180	1	20
o-Xylene		50.2	µg/L	1	50.0	<0.0504	100	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane		47.6	µg/L	1	50.0	<0.0672	95	86.4 - 122	2	20
2-Chlorotoluene		49.8	µg/L	1	50.0	<0.0283	100	69.2 - 128	3	20

continued . . .

[10] Recovery out of control limits. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,3-Trichloropropane		46.8	µg/L	1	50.0	<0.0679	94	75.8 - 121	1	20
Isopropylbenzene		49.7	µg/L	1	50.0	<0.0406	99	69.6 - 127	4	20
Bromobenzene		48.0	µg/L	1	50.0	<0.103	96	77.1 - 125	3	20
n-Propylbenzene		49.7	µg/L	1	50.0	<0.0423	99	67.1 - 125	4	20
1,3,5-Trimethylbenzene		49.9	µg/L	1	50.0	<0.0557	100	66.1 - 126	4	20
tert-Butylbenzene		48.4	µg/L	1	50.0	<0.0770	97	63.9 - 126	4	20
1,2,4-Trimethylbenzene		49.4	µg/L	1	50.0	<0.0336	99	65 - 123	3	20
1,4-Dichlorobenzene (para)		46.7	µg/L	1	50.0	<0.0672	93	66.7 - 119	3	20
sec-Butylbenzene		48.5	µg/L	1	50.0	<0.0439	97	57.6 - 127	6	20
1,3-Dichlorobenzene (meta)		47.4	µg/L	1	50.0	<0.0672	95	78.8 - 118	3	20
p-Isopropyltoluene		48.5	µg/L	1	50.0	<0.0513	97	56.6 - 128	5	20
4-Chlorotoluene		48.9	µg/L	1	50.0	<0.0460	98	74 - 127	3	20
1,2-Dichlorobenzene (ortho)		46.4	µg/L	1	50.0	<0.0629	93	81.2 - 119	3	20
n-Butylbenzene		48.3	µg/L	1	50.0	<0.0400	97	50.4 - 130	5	20
1,2-Dibromo-3-chloropropane	[11]	32.2	µg/L	1	50.0	<0.538	64	55.7 - 152	2	20
1,2,3-Trichlorobenzene		41.7	µg/L	1	50.0	<0.504	83	32.6 - 149	30	20
1,2,4-Trichlorobenzene	[12]	33.0	µg/L	1	50.0	<0.166	66	35.8 - 144	14	20
Naphthalene	[13]	30.0	µg/L	1	50.0	<0.417	60	36.7 - 156	27	20
Hexachlorobutadiene		38.8	µg/L	1	50.0	<0.176	78	39.6 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	53.3	52.2	µg/L	1	50	107	104	86.6 - 114
Toluene-d8	51.5	50.8	µg/L	1	50	103	102	91 - 109
4-Bromofluorobenzene (4-BFB)	50.0	49.7	µg/L	1	50	100	99	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 117755

QC Batch: 35281 Date Analyzed: 2007-03-05 Analyzed By: JG
Prep Batch: 30618 QC Preparation: 2007-03-05 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	53.2	µg/L	1	50.0	<0.0699	106	82.5 - 118
Dichlorodifluoromethane	44.8	µg/L	1	50.0	<0.0598	90	46.8 - 125
Chloromethane (methyl chloride)	53.0	µg/L	1	50.0	<0.230	106	67.1 - 127
Vinyl Chloride	49.1	µg/L	1	50.0	<0.0902	98	63.7 - 129
Bromomethane (methyl bromide)	41.3	µg/L	1	50.0	<0.740	83	65.7 - 127
Chloroethane	48.8	µg/L	1	50.0	<0.195	98	69.9 - 131
Trichlorofluoromethane	53.9	µg/L	1	50.0	<0.160	108	60.2 - 134
Acetone	52.2	µg/L	1	50.0	<0.854	104	12.1 - 136
Iodomethane (methyl iodide)	48.1	µg/L	1	50.0	<0.112	96	75.7 - 115
Carbon Disulfide	48.0	µg/L	1	50.0	<0.0764	96	67.6 - 131
Acrylonitrile	55.2	µg/L	1	50.0	<0.184	110	79.9 - 131
2-Butanone (MEK)	45.5	µg/L	1	50.0	<0.394	91	28.7 - 137

continued ...

[11] Recovery out of control limits. LCS/LCSD show analysis to be in control. •
[12] Recovery out of control limits. LCS/LCSD show analysis to be in control. •
[13] Recovery out of control limits. LCS/LCSD show analysis to be in control. •

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
4-Methyl-2-pentanone (MIBK)	50.2	µg/L	1	50.0	<0.484	100	77.1 - 122
2-Hexanone	53.6	µg/L	1	50.0	<0.0975	107	42.3 - 145
trans 1,4-Dichloro-2-butene	32.2	µg/L	1	50.0	<0.421	64	38.5 - 122
1,1-Dichloroethene	48.2	µg/L	1	50.0	<0.0736	96	78.7 - 119
Methylene chloride	43.9	µg/L	1	50.0	<0.689	88	64.9 - 121
MTBE	51.2	µg/L	1	50.0	<0.0504	102	46.6 - 162
trans-1,2-Dichloroethene	49.0	µg/L	1	50.0	<0.0598	98	75.1 - 119
1,1-Dichloroethane	52.4	µg/L	1	50.0	<0.0299	105	86.3 - 119
cis-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.101	100	82.6 - 116
2,2-Dichloropropane	18.4	µg/L	1	50.0	<0.0665	37	7.8 - 109
1,2-Dichloroethane (EDC)	51.1	µg/L	1	50.0	<0.0557	102	82.7 - 130
Chloroform	52.8	µg/L	1	50.0	<0.0475	106	83.6 - 119
1,1,1-Trichloroethane	51.7	µg/L	1	50.0	<0.0846	103	69.6 - 126
1,1-Dichloropropene	48.4	µg/L	1	50.0	<0.0423	97	79.2 - 121
Benzene	48.8	µg/L	1	50.0	<0.0495	98	75.8 - 125
Carbon Tetrachloride	52.7	µg/L	1	50.0	<0.121	105	58.7 - 143
1,2-Dichloropropane	51.1	µg/L	1	50.0	<0.0933	102	88.4 - 117
Trichloroethene (TCE)	48.1	µg/L	1	50.0	<0.0495	96	83.6 - 112
Dibromomethane (methylene bromide)	53.2	µg/L	1	50.0	<0.0640	106	90.7 - 117
Bromodichloromethane	51.6	µg/L	1	50.0	<0.0651	103	83.4 - 127
2-Chloroethyl vinyl ether	51.1	µg/L	1	50.0	<0.0905	102	10 - 211
cis-1,3-Dichloropropene	43.5	µg/L	1	50.0	<0.0640	87	78.6 - 113
trans-1,3-Dichloropropene	44.1	µg/L	1	50.0	<0.0504	88	81.8 - 113
Toluene	43.3	µg/L	1	50.0	<0.0736	87	81.6 - 115
1,1,2-Trichloroethane	51.0	µg/L	1	50.0	<0.106	102	83.2 - 122
1,3-Dichloropropane	51.0	µg/L	1	50.0	<0.0625	102	87.3 - 123
Dibromochloromethane	52.3	µg/L	1	50.0	<0.0791	105	81.4 - 130
1,2-Dibromoethane (EDB)	50.7	µg/L	1	50.0	<0.0460	101	91.4 - 118
Tetrachloroethene (PCE)	47.5	µg/L	1	50.0	<0.0696	95	51.8 - 111
Chlorobenzene	48.0	µg/L	1	50.0	<0.0217	96	83.9 - 113
1,1,1,2-Tetrachloroethane	49.9	µg/L	1	50.0	<0.125	100	79.5 - 127
Ethylbenzene	48.8	µg/L	1	50.0	<0.0566	98	75.4 - 121
m,p-Xylene	97.4	µg/L	1	100	<0.0363	97	74 - 124
Bromoform	51.2	µg/L	1	50.0	<0.0859	102	77.5 - 134
Styrene	34.9	µg/L	1	50.0	<0.0394	70	10 - 180
o-Xylene	49.7	µg/L	1	50.0	<0.0504	99	75.4 - 126
1,1,2,2-Tetrachloroethane	48.0	µg/L	1	50.0	<0.0672	96	86.4 - 122
2-Chlorotoluene	50.0	µg/L	1	50.0	<0.0283	100	69.2 - 128
1,2,3-Trichloropropane	45.9	µg/L	1	50.0	<0.0679	92	75.8 - 121
Isopropylbenzene	50.6	µg/L	1	50.0	<0.0406	101	69.6 - 127
Bromobenzene	48.4	µg/L	1	50.0	<0.103	97	77.1 - 125
n-Propylbenzene	48.4	µg/L	1	50.0	<0.0423	97	67.1 - 125
1,3,5-Trimethylbenzene	48.9	µg/L	1	50.0	<0.0557	98	66.1 - 126
tert-Butylbenzene	47.8	µg/L	1	50.0	<0.0770	96	63.9 - 126
1,2,4-Trimethylbenzene	47.7	µg/L	1	50.0	<0.0336	95	65 - 123
1,4-Dichlorobenzene (para)	46.3	µg/L	1	50.0	<0.0672	93	66.7 - 119
sec-Butylbenzene	47.3	µg/L	1	50.0	<0.0439	95	57.6 - 127
1,3-Dichlorobenzene (meta)	47.0	µg/L	1	50.0	<0.0672	94	78.8 - 118
p-Isopropyltoluene	46.5	µg/L	1	50.0	<0.0513	93	56.6 - 128
4-Chlorotoluene	48.7	µg/L	1	50.0	<0.0460	97	74 - 127

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dichlorobenzene (ortho)	46.6	µg/L	1	50.0	<0.0629	93	81.2 - 119
n-Butylbenzene	44.7	µg/L	1	50.0	<0.0400	89	50.4 - 130
1,2-Dibromo-3-chloropropane	37.0	µg/L	1	50.0	<0.538	74	55.7 - 152
1,2,3-Trichlorobenzene	43.5	µg/L	1	50.0	<0.504	87	32.6 - 149
1,2,4-Trichlorobenzene	32.9	µg/L	1	50.0	<0.166	66	35.8 - 144
Naphthalene	32.7	µg/L	1	50.0	<0.417	65	36.7 - 156
Hexachlorobutadiene	38.9	µg/L	1	50.0	<0.176	78	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	53.6	µg/L	1	50.0	<0.0699	107	82.5 - 118	1	20
Dichlorodifluoromethane	43.2	µg/L	1	50.0	<0.0598	86	46.8 - 125	4	20
Chloromethane (methyl chloride)	53.8	µg/L	1	50.0	<0.230	108	67.1 - 127	2	20
Vinyl Chloride	48.4	µg/L	1	50.0	<0.0902	97	63.7 - 129	1	20
Bromomethane (methyl bromide)	41.1	µg/L	1	50.0	<0.740	82	65.7 - 127	0	20
Chloroethane	48.7	µg/L	1	50.0	<0.195	97	69.9 - 131	0	20
Trichlorofluoromethane	52.9	µg/L	1	50.0	<0.160	106	60.2 - 134	2	20
Acetone	56.0	µg/L	1	50.0	<0.854	112	12.1 - 136	7	20
Iodomethane (methyl iodide)	48.4	µg/L	1	50.0	<0.112	97	75.7 - 115	1	20
Carbon Disulfide	47.3	µg/L	1	50.0	<0.0764	95	67.6 - 131	2	20
Acrylonitrile	54.6	µg/L	1	50.0	<0.184	109	79.9 - 131	1	20
2-Butanone (MEK)	47.8	µg/L	1	50.0	<0.394	96	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	50.8	µg/L	1	50.0	<0.484	102	77.1 - 122	1	20
2-Hexanone	54.4	µg/L	1	50.0	<0.0975	109	42.3 - 145	2	20
trans 1,4-Dichloro-2-butene [14]	31.7	µg/L	1	50.0	<0.421	63	38.5 - 122	2	20
1,1-Dichloroethene	48.5	µg/L	1	50.0	<0.0736	97	78.7 - 119	1	20
Methylene chloride	44.2	µg/L	1	50.0	<0.689	88	64.9 - 121	1	20
MTBE	51.7	µg/L	1	50.0	<0.0504	103	46.6 - 162	1	20
trans-1,2-Dichloroethene	49.0	µg/L	1	50.0	<0.0598	98	75.1 - 119	0	20
1,1-Dichloroethane	52.7	µg/L	1	50.0	<0.0299	105	86.3 - 119	1	20
cis-1,2-Dichloroethene	51.0	µg/L	1	50.0	<0.101	102	82.6 - 116	2	20
2,2-Dichloropropane [15]	17.5	µg/L	1	50.0	<0.0665	35	7.8 - 109	5	20
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.7 - 130	1	20
Chloroform	53.5	µg/L	1	50.0	<0.0475	107	83.6 - 119	1	20
1,1,1-Trichloroethane	52.2	µg/L	1	50.0	<0.0846	104	69.6 - 126	1	20
1,1-Dichloropropene	49.0	µg/L	1	50.0	<0.0423	98	79.2 - 121	1	20
Benzene	49.7	µg/L	1	50.0	<0.0495	99	75.8 - 125	2	20
Carbon Tetrachloride	53.0	µg/L	1	50.0	<0.121	106	58.7 - 143	1	20
1,2-Dichloropropane	51.6	µg/L	1	50.0	<0.0933	103	88.4 - 117	1	20
Trichloroethene (TCE)	48.2	µg/L	1	50.0	<0.0495	96	83.6 - 112	0	20
Dibromomethane (methylene bromide)	53.1	µg/L	1	50.0	<0.0640	106	90.7 - 117	0	20
Bromodichloromethane	52.0	µg/L	1	50.0	<0.0651	104	83.4 - 127	1	20
2-Chloroethyl vinyl ether	51.6	µg/L	1	50.0	<0.0905	103	10 - 211	1	20
cis-1,3-Dichloropropene	43.3	µg/L	1	50.0	<0.0640	87	78.6 - 113	0	20
trans-1,3-Dichloropropene	44.3	µg/L	1	50.0	<0.0504	89	81.8 - 113	0	20
Toluene	43.7	µg/L	1	50.0	<0.0736	87	81.6 - 115	1	20
1,1,2-Trichloroethane	51.6	µg/L	1	50.0	<0.106	103	83.2 - 122	1	20

continued . . .

[14] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[15] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,3-Dichloropropane		51.4	µg/L	1	50.0	<0.0625	103	87.3 - 123	1	20
Dibromochloromethane		53.4	µg/L	1	50.0	<0.0791	107	81.4 - 130	2	20
1,2-Dibromoethane (EDB)		51.5	µg/L	1	50.0	<0.0460	103	91.4 - 118	2	20
Tetrachloroethene (PCE)		46.4	µg/L	1	50.0	<0.0696	93	51.8 - 111	2	20
Chlorobenzene		48.0	µg/L	1	50.0	<0.0217	96	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane		51.0	µg/L	1	50.0	<0.125	102	79.5 - 127	2	20
Ethylbenzene		48.9	µg/L	1	50.0	<0.0566	98	75.4 - 121	0	20
m,p-Xylene		97.2	µg/L	1	100	<0.0363	97	74 - 124	0	20
Bromoform		52.1	µg/L	1	50.0	<0.0859	104	77.5 - 134	2	20
Styrene	[16]	34.6	µg/L	1	50.0	<0.0394	69	10 - 180	1	20
o-Xylene		49.7	µg/L	1	50.0	<0.0504	99	75.4 - 126	0	20
1,1,2,2-Tetrachloroethane		48.6	µg/L	1	50.0	<0.0672	97	86.4 - 122	1	20
2-Chlorotoluene		50.4	µg/L	1	50.0	<0.0283	101	69.2 - 128	1	20
1,2,3-Trichloropropane		45.6	µg/L	1	50.0	<0.0679	91	75.8 - 121	1	20
Isopropylbenzene		50.7	µg/L	1	50.0	<0.0406	101	69.6 - 127	0	20
Bromobenzene		48.6	µg/L	1	50.0	<0.103	97	77.1 - 125	0	20
n-Propylbenzene		48.4	µg/L	1	50.0	<0.0423	97	67.1 - 125	0	20
1,3,5-Trimethylbenzene		48.8	µg/L	1	50.0	<0.0557	98	66.1 - 126	0	20
tert-Butylbenzene		47.7	µg/L	1	50.0	<0.0770	95	63.9 - 126	0	20
1,2,4-Trimethylbenzene		47.5	µg/L	1	50.0	<0.0336	95	65 - 123	0	20
1,4-Dichlorobenzene (para)		46.1	µg/L	1	50.0	<0.0672	92	66.7 - 119	0	20
sec-Butylbenzene		46.4	µg/L	1	50.0	<0.0439	93	57.6 - 127	2	20
1,3-Dichlorobenzene (meta)		46.7	µg/L	1	50.0	<0.0672	93	78.8 - 118	1	20
p-Isopropyltoluene		45.8	µg/L	1	50.0	<0.0513	92	56.6 - 128	2	20
4-Chlorotoluene		49.1	µg/L	1	50.0	<0.0460	98	74 - 127	1	20
1,2-Dichlorobenzene (ortho)		46.9	µg/L	1	50.0	<0.0629	94	81.2 - 119	1	20
n-Butylbenzene		43.6	µg/L	1	50.0	<0.0400	87	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane		35.7	µg/L	1	50.0	<0.538	71	55.7 - 152	4	20
1,2,3-Trichlorobenzene		42.0	µg/L	1	50.0	<0.504	84	32.6 - 149	4	20
1,2,4-Trichlorobenzene	[17]	32.0	µg/L	1	50.0	<0.166	64	35.8 - 144	3	20
Naphthalene	[18]	31.8	µg/L	1	50.0	<0.417	64	36.7 - 156	3	20
Hexachlorobutadiene		36.6	µg/L	1	50.0	<0.176	73	39.6 - 125	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.6	52.6	µg/L	1	50	105	105	86.6 - 114
Toluene-d8	49.5	49.8	µg/L	1	50	99	100	91 - 109
4-Bromofluorobenzene (4-BFB)	48.8	49.0	µg/L	1	50	98	98	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 118395

QC Batch: 35641 Date Analyzed: 2007-03-15 Analyzed By: KB
Prep Batch: 30919 QC Preparation: 2007-03-15 Prepared By: KB

[16] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[17] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[18] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.2	µg/L	1	50.0	<0.0699	104	82.5 - 118
Dichlorodifluoromethane	45.8	µg/L	1	50.0	<0.0598	92	46.8 - 125
Chloromethane (methyl chloride)	51.7	µg/L	1	50.0	<0.230	103	67.1 - 127
Vinyl Chloride	48.7	µg/L	1	50.0	<0.0902	97	63.7 - 129
Bromomethane (methyl bromide)	51.8	µg/L	1	50.0	<0.740	104	65.7 - 127
Chloroethane	51.8	µg/L	1	50.0	<0.195	104	69.9 - 131
Trichlorofluoromethane	48.0	µg/L	1	50.0	<0.160	96	60.2 - 134
Acetone	40.8	µg/L	1	50.0	<0.854	82	12.1 - 136
Iodomethane (methyl iodide)	49.9	µg/L	1	50.0	<0.112	100	75.7 - 115
Carbon Disulfide	45.5	µg/L	1	50.0	<0.0764	91	67.6 - 131
Acrylonitrile	56.8	µg/L	1	50.0	<0.184	114	79.9 - 131
2-Butanone (MEK)	47.6	µg/L	1	50.0	<0.394	95	28.7 - 137
4-Methyl-2-pentanone (MIBK)	57.6	µg/L	1	50.0	<0.484	115	77.1 - 122
2-Hexanone	59.0	µg/L	1	50.0	<0.0975	118	42.3 - 145
trans 1,4-Dichloro-2-butene	50.0	µg/L	1	50.0	<0.421	100	38.5 - 122
1,1-Dichloroethene	43.6	µg/L	1	50.0	<0.0736	87	78.7 - 119
Methylene chloride	47.8	µg/L	1	50.0	<0.689	96	64.9 - 121
MTBE	56.2	µg/L	1	50.0	<0.0504	112	46.6 - 162
trans-1,2-Dichloroethene	48.2	µg/L	1	50.0	<0.0598	96	75.1 - 119
1,1-Dichloroethane	50.2	µg/L	1	50.0	<0.0299	100	86.3 - 119
cis-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.101	101	82.6 - 116
2,2-Dichloropropane	36.3	µg/L	1	50.0	<0.0665	73	7.8 - 109
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.7 - 130
Chloroform	49.2	µg/L	1	50.0	<0.0475	98	83.6 - 119
1,1,1-Trichloroethane	46.0	µg/L	1	50.0	<0.0846	92	69.6 - 126
1,1-Dichloropropene	45.5	µg/L	1	50.0	<0.0423	91	79.2 - 121
Benzene	47.8	µg/L	1	50.0	<0.0495	96	75.8 - 125
Carbon Tetrachloride	42.7	µg/L	1	50.0	<0.121	85	58.7 - 143
1,2-Dichloropropane	52.4	µg/L	1	50.0	<0.0933	105	88.4 - 117
Trichloroethene (TCE)	43.2	µg/L	1	50.0	<0.0495	86	83.6 - 112
Dibromomethane (methylene bromide)	51.8	µg/L	1	50.0	<0.0640	104	90.7 - 117
Bromodichloromethane	51.7	µg/L	1	50.0	<0.0651	103	83.4 - 127
2-Chloroethyl vinyl ether	52.4	µg/L	1	50.0	<0.0905	105	10 - 211
cis-1,3-Dichloropropene	50.5	µg/L	1	50.0	<0.0640	101	78.6 - 113
trans-1,3-Dichloropropene	53.3	µg/L	1	50.0	<0.0504	107	81.8 - 113
Toluene	44.2	µg/L	1	50.0	<0.0736	88	81.6 - 115
1,1,2-Trichloroethane	51.5	µg/L	1	50.0	<0.106	103	83.2 - 122
1,3-Dichloropropane	53.0	µg/L	1	50.0	<0.0625	106	87.3 - 123
Dibromochloromethane	53.6	µg/L	1	50.0	<0.0791	107	81.4 - 130
1,2-Dibromoethane (EDB)	53.6	µg/L	1	50.0	<0.0460	107	91.4 - 118
Tetrachloroethene (PCE)	39.6	µg/L	1	50.0	<0.0696	79	51.8 - 111
Chlorobenzene	43.2	µg/L	1	50.0	<0.0217	86	83.9 - 113
1,1,1,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.125	100	79.5 - 127
Ethylbenzene	46.4	µg/L	1	50.0	<0.0566	93	75.4 - 121
m,p-Xylene	93.4	µg/L	1	100	<0.0363	93	74 - 124
Bromoform	53.3	µg/L	1	50.0	<0.0859	107	77.5 - 134
Styrene	50.2	µg/L	1	50.0	<0.0394	100	10 - 180
o-Xylene	49.0	µg/L	1	50.0	<0.0504	98	75.4 - 126
1,1,2,2-Tetrachloroethane	53.8	µg/L	1	50.0	<0.0672	108	86.4 - 122
2-Chlorotoluene	46.3	µg/L	1	50.0	<0.0283	93	69.2 - 128
1,2,3-Trichloropropane	52.6	µg/L	1	50.0	<0.0679	105	75.8 - 121

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene	45.3	µg/L	1	50.0	<0.0406	91	69.6 - 127
Bromobenzene	48.2	µg/L	1	50.0	<0.103	96	77.1 - 125
n-Propylbenzene	44.0	µg/L	1	50.0	<0.0423	88	67.1 - 125
1,3,5-Trimethylbenzene	45.4	µg/L	1	50.0	<0.0557	91	66.1 - 126
tert-Butylbenzene	43.6	µg/L	1	50.0	<0.0770	87	63.9 - 126
1,2,4-Trimethylbenzene	45.9	µg/L	1	50.0	<0.0336	92	65 - 123
1,4-Dichlorobenzene (para)	44.4	µg/L	1	50.0	<0.0672	89	66.7 - 119
sec-Butylbenzene	43.1	µg/L	1	50.0	<0.0439	86	57.6 - 127
1,3-Dichlorobenzene (meta)	45.8	µg/L	1	50.0	<0.0672	92	78.8 - 118
p-Isopropyltoluene	44.1	µg/L	1	50.0	<0.0513	88	56.6 - 128
4-Chlorotoluene	46.6	µg/L	1	50.0	<0.0460	93	74 - 127
1,2-Dichlorobenzene (ortho)	47.7	µg/L	1	50.0	<0.0629	95	81.2 - 119
n-Butylbenzene	43.0	µg/L	1	50.0	<0.0400	86	50.4 - 130
1,2-Dibromo-3-chloropropane	53.0	µg/L	1	50.0	<0.538	106	55.7 - 152
1,2,3-Trichlorobenzene	48.8	µg/L	1	50.0	<0.504	98	32.6 - 149
1,2,4-Trichlorobenzene	45.1	µg/L	1	50.0	<0.166	90	35.8 - 144
Naphthalene	52.3	µg/L	1	50.0	<0.417	105	36.7 - 156
Hexachlorobutadiene	40.0	µg/L	1	50.0	<0.176	80	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.7	µg/L	1	50.0	<0.0699	103	82.5 - 118	1	20
Dichlorodifluoromethane	48.9	µg/L	1	50.0	<0.0598	98	46.8 - 125	6	20
Chloromethane (methyl chloride)	51.3	µg/L	1	50.0	<0.230	103	67.1 - 127	1	20
Vinyl Chloride	50.5	µg/L	1	50.0	<0.0902	101	63.7 - 129	4	20
Bromomethane (methyl bromide)	51.3	µg/L	1	50.0	<0.740	103	65.7 - 127	1	20
Chloroethane	52.3	µg/L	1	50.0	<0.195	105	69.9 - 131	1	20
Trichlorofluoromethane	55.5	µg/L	1	50.0	<0.160	111	60.2 - 134	14	20
Acetone	41.4	µg/L	1	50.0	<0.854	83	12.1 - 136	1	20
Iodomethane (methyl iodide)	50.6	µg/L	1	50.0	<0.112	101	75.7 - 115	1	20
Carbon Disulfide	49.9	µg/L	1	50.0	<0.0764	100	67.6 - 131	9	20
Acrylonitrile	55.7	µg/L	1	50.0	<0.184	111	79.9 - 131	2	20
2-Butanone (MEK)	49.0	µg/L	1	50.0	<0.394	98	28.7 - 137	3	20
4-Methyl-2-pentanone (MIBK)	55.0	µg/L	1	50.0	<0.484	110	77.1 - 122	5	20
2-Hexanone	56.5	µg/L	1	50.0	<0.0975	113	42.3 - 145	4	20
trans 1,4-Dichloro-2-butene	48.6	µg/L	1	50.0	<0.421	97	38.5 - 122	3	20
1,1-Dichloroethene	47.8	µg/L	1	50.0	<0.0736	96	78.7 - 119	9	20
Methylene chloride	47.8	µg/L	1	50.0	<0.689	96	64.9 - 121	0	20
MTBE	54.3	µg/L	1	50.0	<0.0504	109	46.6 - 162	3	20
trans-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.0598	100	75.1 - 119	4	20
1,1-Dichloroethane	51.4	µg/L	1	50.0	<0.0299	103	86.3 - 119	2	20
cis-1,2-Dichloroethene	51.7	µg/L	1	50.0	<0.101	103	82.6 - 116	2	20
2,2-Dichloropropane	37.9	µg/L	1	50.0	<0.0665	76	7.8 - 109	4	20
1,2-Dichloroethane (EDC)	50.6	µg/L	1	50.0	<0.0557	101	82.7 - 130	2	20
Chloroform	49.8	µg/L	1	50.0	<0.0475	100	83.6 - 119	1	20
1,1,1-Trichloroethane	50.6	µg/L	1	50.0	<0.0846	101	69.6 - 126	10	20
1,1-Dichloropropene	50.6	µg/L	1	50.0	<0.0423	101	79.2 - 121	11	20
Benzene	49.9	µg/L	1	50.0	<0.0495	100	75.8 - 125	4	20
Carbon Tetrachloride	48.6	µg/L	1	50.0	<0.121	97	58.7 - 143	13	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloropropane	52.2	µg/L	1	50.0	<0.0933	104	88.4 - 117	0	20
Trichloroethene (TCE)	47.3	µg/L	1	50.0	<0.0495	95	83.6 - 112	9	20
Dibromomethane (methylene bromide)	51.7	µg/L	1	50.0	<0.0640	103	90.7 - 117	0	20
Bromodichloromethane	52.7	µg/L	1	50.0	<0.0651	105	83.4 - 127	2	20
2-Chloroethyl vinyl ether	52.2	µg/L	1	50.0	<0.0905	104	10 - 211	0	20
cis-1,3-Dichloropropene	51.6	µg/L	1	50.0	<0.0640	103	78.6 - 113	2	20
trans-1,3-Dichloropropene	53.6	µg/L	1	50.0	<0.0504	107	81.8 - 113	1	20
Toluene	47.8	µg/L	1	50.0	<0.0736	96	81.6 - 115	8	20
1,1,2-Trichloroethane	51.7	µg/L	1	50.0	<0.106	103	83.2 - 122	0	20
1,3-Dichloropropane	52.3	µg/L	1	50.0	<0.0625	105	87.3 - 123	1	20
Dibromochloromethane	54.1	µg/L	1	50.0	<0.0791	108	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	53.1	µg/L	1	50.0	<0.0460	106	91.4 - 118	1	20
Tetrachloroethene (PCE)	44.0	µg/L	1	50.0	<0.0696	88	51.8 - 111	10	20
Chlorobenzene	46.6	µg/L	1	50.0	<0.0217	93	83.9 - 113	8	20
1,1,1,2-Tetrachloroethane	51.6	µg/L	1	50.0	<0.125	103	79.5 - 127	3	20
Ethylbenzene	51.1	µg/L	1	50.0	<0.0566	102	75.4 - 121	10	20
m,p-Xylene	102	µg/L	1	100	<0.0363	102	74 - 124	9	20
Bromoform	53.2	µg/L	1	50.0	<0.0859	106	77.5 - 134	0	20
Styrene	52.9	µg/L	1	50.0	<0.0394	106	10 - 180	5	20
o-Xylene	52.8	µg/L	1	50.0	<0.0504	106	75.4 - 126	8	20
1,1,2,2-Tetrachloroethane	53.0	µg/L	1	50.0	<0.0672	106	86.4 - 122	2	20
2-Chlorotoluene	50.4	µg/L	1	50.0	<0.0283	101	69.2 - 128	8	20
1,2,3-Trichloropropane	51.5	µg/L	1	50.0	<0.0679	103	75.8 - 121	2	20
Isopropylbenzene	50.6	µg/L	1	50.0	<0.0406	101	69.6 - 127	11	20
Bromobenzene	50.0	µg/L	1	50.0	<0.103	100	77.1 - 125	4	20
n-Propylbenzene	48.9	µg/L	1	50.0	<0.0423	98	67.1 - 125	10	20
1,3,5-Trimethylbenzene	49.5	µg/L	1	50.0	<0.0557	99	66.1 - 126	9	20
tert-Butylbenzene	48.4	µg/L	1	50.0	<0.0770	97	63.9 - 126	10	20
1,2,4-Trimethylbenzene	49.5	µg/L	1	50.0	<0.0336	99	65 - 123	8	20
1,4-Dichlorobenzene (para)	46.8	µg/L	1	50.0	<0.0672	94	66.7 - 119	5	20
sec-Butylbenzene	48.2	µg/L	1	50.0	<0.0439	96	57.6 - 127	11	20
1,3-Dichlorobenzene (meta)	48.4	µg/L	1	50.0	<0.0672	97	78.8 - 118	6	20
p-Isopropyltoluene	48.3	µg/L	1	50.0	<0.0513	97	56.6 - 128	9	20
4-Chlorotoluene	49.8	µg/L	1	50.0	<0.0460	100	74 - 127	7	20
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	81.2 - 119	5	20
n-Butylbenzene	46.9	µg/L	1	50.0	<0.0400	94	50.4 - 130	9	20
1,2-Dibromo-3-chloropropane	51.6	µg/L	1	50.0	<0.538	103	55.7 - 152	3	20
1,2,3-Trichlorobenzene	50.0	µg/L	1	50.0	<0.504	100	32.6 - 149	2	20
1,2,4-Trichlorobenzene	45.6	µg/L	1	50.0	<0.166	91	35.8 - 144	1	20
Naphthalene	51.9	µg/L	1	50.0	<0.417	104	36.7 - 156	1	20
Hexachlorobutadiene	43.1	µg/L	1	50.0	<0.176	86	39.6 - 125	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	49.4	48.9	µg/L	1	50	99	98	86.6 - 114
Toluene-d8	49.4	48.9	µg/L	1	50	99	98	91 - 109
4-Bromofluorobenzene (4-BFB)	49.8	49.6	µg/L	1	50	100	99	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 119228

QC Batch: 35976 Date Analyzed: 2007-03-24 Analyzed By: JG
Prep Batch: 31220 QC Preparation: 2007-03-24 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.8	µg/L	1	50.0	<0.0699	100	82.5 - 118
Dichlorodifluoromethane	39.2	µg/L	1	50.0	<0.0598	78	46.8 - 125
Chloromethane (methyl chloride)	48.5	µg/L	1	50.0	<0.230	97	67.1 - 127
Vinyl Chloride	48.4	µg/L	1	50.0	<0.0902	97	63.7 - 129
Bromomethane (methyl bromide)	49.6	µg/L	1	50.0	<0.740	99	65.7 - 127
Chloroethane	52.1	µg/L	1	50.0	<0.195	104	69.9 - 131
Trichlorofluoromethane	52.8	µg/L	1	50.0	<0.160	106	60.2 - 134
Acetone	44.0	µg/L	1	50.0	<0.854	88	12.1 - 136
Iodomethane (methyl iodide)	47.0	µg/L	1	50.0	<0.112	94	75.7 - 115
Carbon Disulfide	46.8	µg/L	1	50.0	<0.0764	94	67.6 - 131
Acrylonitrile	54.2	µg/L	1	50.0	<0.184	108	79.9 - 131
2-Butanone (MEK)	44.8	µg/L	1	50.0	<0.394	90	28.7 - 137
4-Methyl-2-pentanone (MIBK)	54.0	µg/L	1	50.0	<0.484	108	77.1 - 122
2-Hexanone	55.8	µg/L	1	50.0	<0.0975	112	42.3 - 145
trans 1,4-Dichloro-2-butene	38.6	µg/L	1	50.0	<0.421	77	38.5 - 122
1,1-Dichloroethene	46.1	µg/L	1	50.0	<0.0736	92	78.7 - 119
Methylene chloride	46.6	µg/L	1	50.0	<0.689	93	64.9 - 121
MTBE	51.2	µg/L	1	50.0	<0.0504	102	46.6 - 162
trans-1,2-Dichloroethene	49.0	µg/L	1	50.0	<0.0598	98	75.1 - 119
1,1-Dichloroethane	49.2	µg/L	1	50.0	<0.0299	98	86.3 - 119
cis-1,2-Dichloroethene	49.5	µg/L	1	50.0	<0.101	99	82.6 - 116
2,2-Dichloropropane	20.4	µg/L	1	50.0	<0.0665	41	7.8 - 109
1,2-Dichloroethane (EDC)	49.1	µg/L	1	50.0	<0.0557	98	82.7 - 130
Chloroform	48.8	µg/L	1	50.0	<0.0475	98	83.6 - 119
1,1,1-Trichloroethane	48.6	µg/L	1	50.0	<0.0846	97	69.6 - 126
1,1-Dichloropropene	49.1	µg/L	1	50.0	<0.0423	98	79.2 - 121
Benzene	48.6	µg/L	1	50.0	<0.0495	97	75.8 - 125
Carbon Tetrachloride	47.0	µg/L	1	50.0	<0.121	94	58.7 - 143
1,2-Dichloropropane	50.8	µg/L	1	50.0	<0.0933	102	88.4 - 117
Trichloroethene (TCE)	45.4	µg/L	1	50.0	<0.0495	91	83.6 - 112
Dibromomethane (methylene bromide)	49.5	µg/L	1	50.0	<0.0640	99	90.7 - 117
Bromodichloromethane	50.6	µg/L	1	50.0	<0.0651	101	83.4 - 127
2-Chloroethyl vinyl ether	50.8	µg/L	1	50.0	<0.0905	102	10 - 211
cis-1,3-Dichloropropene	44.9	µg/L	1	50.0	<0.0640	90	78.6 - 113
trans-1,3-Dichloropropene	46.5	µg/L	1	50.0	<0.0504	93	81.8 - 113
Toluene	46.4	µg/L	1	50.0	<0.0736	93	81.6 - 115
1,1,2-Trichloroethane	50.6	µg/L	1	50.0	<0.106	101	83.2 - 122
1,3-Dichloropropane	51.3	µg/L	1	50.0	<0.0625	103	87.3 - 123
Dibromochloromethane	52.3	µg/L	1	50.0	<0.0791	105	81.4 - 130
1,2-Dibromoethane (EDB)	51.6	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)	43.5	µg/L	1	50.0	<0.0696	87	51.8 - 111
Chlorobenzene	45.8	µg/L	1	50.0	<0.0217	92	83.9 - 113
1,1,1,2-Tetrachloroethane	50.8	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene	51.5	µg/L	1	50.0	<0.0566	103	75.4 - 121
m,p-Xylene	102	µg/L	1	100	<0.0363	102	74 - 124
Bromoform	50.9	µg/L	1	50.0	<0.0859	102	77.5 - 134

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	44.7	µg/L	1	50.0	<0.0394	89	10 - 180
o-Xylene	52.6	µg/L	1	50.0	<0.0504	105	75.4 - 126
1,1,2,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.0672	102	86.4 - 122
2-Chlorotoluene	50.7	µg/L	1	50.0	<0.0283	101	69.2 - 128
1,2,3-Trichloropropane	47.5	µg/L	1	50.0	<0.0679	95	75.8 - 121
Isopropylbenzene	51.1	µg/L	1	50.0	<0.0406	102	69.6 - 127
Bromobenzene	49.2	µg/L	1	50.0	<0.103	98	77.1 - 125
n-Propylbenzene	49.4	µg/L	1	50.0	<0.0423	99	67.1 - 125
1,3,5-Trimethylbenzene	49.9	µg/L	1	50.0	<0.0557	100	66.1 - 126
tert-Butylbenzene	47.9	µg/L	1	50.0	<0.0770	96	63.9 - 126
1,2,4-Trimethylbenzene	49.1	µg/L	1	50.0	<0.0336	98	65 - 123
1,4-Dichlorobenzene (para)	46.8	µg/L	1	50.0	<0.0672	94	66.7 - 119
sec-Butylbenzene	47.5	µg/L	1	50.0	<0.0439	95	57.6 - 127
1,3-Dichlorobenzene (meta)	48.4	µg/L	1	50.0	<0.0672	97	78.8 - 118
p-Isopropyltoluene	47.4	µg/L	1	50.0	<0.0513	95	56.6 - 128
4-Chlorotoluene	49.9	µg/L	1	50.0	<0.0460	100	74 - 127
1,2-Dichlorobenzene (ortho)	49.2	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	45.0	µg/L	1	50.0	<0.0400	90	50.4 - 130
1,2-Dibromo-3-chloropropane	48.8	µg/L	1	50.0	<0.538	98	55.7 - 152
1,2,3-Trichlorobenzene	48.3	µg/L	1	50.0	<0.504	97	32.6 - 149
1,2,4-Trichlorobenzene	43.7	µg/L	1	50.0	<0.166	87	35.8 - 144
Naphthalene	50.7	µg/L	1	50.0	<0.417	101	36.7 - 156
Hexachlorobutadiene	40.6	µg/L	1	50.0	<0.176	81	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.0	µg/L	1	50.0	<0.0699	98	82.5 - 118	2	20
Dichlorodifluoromethane	35.5	µg/L	1	50.0	<0.0598	71	46.8 - 125	10	20
Chloromethane (methyl chloride)	46.9	µg/L	1	50.0	<0.230	94	67.1 - 127	3	20
Vinyl Chloride	46.3	µg/L	1	50.0	<0.0902	93	63.7 - 129	4	20
Bromomethane (methyl bromide)	48.3	µg/L	1	50.0	<0.740	97	65.7 - 127	3	20
Chloroethane	51.2	µg/L	1	50.0	<0.195	102	69.9 - 131	2	20
Trichlorofluoromethane	49.0	µg/L	1	50.0	<0.160	98	60.2 - 134	8	20
Acetone	44.8	µg/L	1	50.0	<0.854	90	12.1 - 136	2	20
Iodomethane (methyl iodide)	45.6	µg/L	1	50.0	<0.112	91	75.7 - 115	3	20
Carbon Disulfide	44.6	µg/L	1	50.0	<0.0764	89	67.6 - 131	5	20
Acrylonitrile	54.4	µg/L	1	50.0	<0.184	109	79.9 - 131	0	20
2-Butanone (MEK)	46.1	µg/L	1	50.0	<0.394	92	28.7 - 137	3	20
4-Methyl-2-pentanone (MIBK)	54.0	µg/L	1	50.0	<0.484	108	77.1 - 122	0	20
2-Hexanone	57.1	µg/L	1	50.0	<0.0975	114	42.3 - 145	2	20
trans 1,4-Dichloro-2-butene	38.1	µg/L	1	50.0	<0.421	76	38.5 - 122	1	20
1,1-Dichloroethene	43.4	µg/L	1	50.0	<0.0736	87	78.7 - 119	6	20
Methylene chloride	45.3	µg/L	1	50.0	<0.689	91	64.9 - 121	3	20
MTBE	50.7	µg/L	1	50.0	<0.0504	101	46.6 - 162	1	20
trans-1,2-Dichloroethene	47.4	µg/L	1	50.0	<0.0598	95	75.1 - 119	3	20
1,1-Dichloroethane	47.5	µg/L	1	50.0	<0.0299	95	86.3 - 119	4	20
cis-1,2-Dichloroethene	48.4	µg/L	1	50.0	<0.101	97	82.6 - 116	2	20
2,2-Dichloropropane [19]	19.3	µg/L	1	50.0	<0.0665	39	7.8 - 109	6	20

continued . . .

[19] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloroethane (EDC)	48.1	µg/L	1	50.0	<0.0557	96	82.7 - 130	2	20
Chloroform	47.4	µg/L	1	50.0	<0.0475	95	83.6 - 119	3	20
1,1,1-Trichloroethane	46.2	µg/L	1	50.0	<0.0846	92	69.6 - 126	5	20
1,1-Dichloropropene	47.5	µg/L	1	50.0	<0.0423	95	79.2 - 121	3	20
Benzene	47.7	µg/L	1	50.0	<0.0495	95	75.8 - 125	2	20
Carbon Tetrachloride	45.3	µg/L	1	50.0	<0.121	91	58.7 - 143	4	20
1,2-Dichloropropane	50.1	µg/L	1	50.0	<0.0933	100	88.4 - 117	1	20
Trichloroethene (TCE)	44.8	µg/L	1	50.0	<0.0495	90	83.6 - 112	1	20
Dibromomethane (methylene bromide)	49.0	µg/L	1	50.0	<0.0640	98	90.7 - 117	1	20
Bromodichloromethane	49.7	µg/L	1	50.0	<0.0651	99	83.4 - 127	2	20
2-Chloroethyl vinyl ether	50.1	µg/L	1	50.0	<0.0905	100	10 - 211	1	20
cis-1,3-Dichloropropene	43.8	µg/L	1	50.0	<0.0640	88	78.6 - 113	2	20
trans-1,3-Dichloropropene	46.5	µg/L	1	50.0	<0.0504	93	81.8 - 113	0	20
Toluene	45.7	µg/L	1	50.0	<0.0736	91	81.6 - 115	2	20
1,1,2-Trichloroethane	49.8	µg/L	1	50.0	<0.106	100	83.2 - 122	2	20
1,3-Dichloropropane	50.4	µg/L	1	50.0	<0.0625	101	87.3 - 123	2	20
Dibromochloromethane	51.2	µg/L	1	50.0	<0.0791	102	81.4 - 130	2	20
1,2-Dibromoethane (EDB)	51.3	µg/L	1	50.0	<0.0460	103	91.4 - 118	1	20
Tetrachloroethene (PCE)	41.8	µg/L	1	50.0	<0.0696	84	51.8 - 111	4	20
Chlorobenzene	44.6	µg/L	1	50.0	<0.0217	89	83.9 - 113	3	20
1,1,1,2-Tetrachloroethane	49.7	µg/L	1	50.0	<0.125	99	79.5 - 127	2	20
Ethylbenzene	49.7	µg/L	1	50.0	<0.0566	99	75.4 - 121	4	20
m,p-Xylene	99.4	µg/L	1	100	<0.0363	99	74 - 124	3	20
Bromoform	50.5	µg/L	1	50.0	<0.0859	101	77.5 - 134	1	20
Styrene	44.1	µg/L	1	50.0	<0.0394	88	10 - 180	1	20
o-Xylene	50.9	µg/L	1	50.0	<0.0504	102	75.4 - 126	3	20
1,1,2,2-Tetrachloroethane	52.2	µg/L	1	50.0	<0.0672	104	86.4 - 122	2	20
2-Chlorotoluene	49.3	µg/L	1	50.0	<0.0283	99	69.2 - 128	3	20
1,2,3-Trichloropropane	48.3	µg/L	1	50.0	<0.0679	97	75.8 - 121	2	20
Isopropylbenzene	48.9	µg/L	1	50.0	<0.0406	98	69.6 - 127	4	20
Bromobenzene	48.5	µg/L	1	50.0	<0.103	97	77.1 - 125	1	20
n-Propylbenzene	47.3	µg/L	1	50.0	<0.0423	95	67.1 - 125	4	20
1,3,5-Trimethylbenzene	48.2	µg/L	1	50.0	<0.0557	96	66.1 - 126	4	20
tert-Butylbenzene	46.5	µg/L	1	50.0	<0.0770	93	63.9 - 126	3	20
1,2,4-Trimethylbenzene	47.7	µg/L	1	50.0	<0.0336	95	65 - 123	3	20
1,4-Dichlorobenzene (para)	45.5	µg/L	1	50.0	<0.0672	91	66.7 - 119	3	20
sec-Butylbenzene	45.6	µg/L	1	50.0	<0.0439	91	57.6 - 127	4	20
1,3-Dichlorobenzene (meta)	47.0	µg/L	1	50.0	<0.0672	94	78.8 - 118	3	20
p-Isopropyltoluene	45.4	µg/L	1	50.0	<0.0513	91	56.6 - 128	4	20
4-Chlorotoluene	48.3	µg/L	1	50.0	<0.0460	97	74 - 127	3	20
1,2-Dichlorobenzene (ortho)	48.2	µg/L	1	50.0	<0.0629	96	81.2 - 119	2	20
n-Butylbenzene	43.2	µg/L	1	50.0	<0.0400	86	50.4 - 130	4	20
1,2-Dibromo-3-chloropropane	50.5	µg/L	1	50.0	<0.538	101	55.7 - 152	3	20
1,2,3-Trichlorobenzene	49.1	µg/L	1	50.0	<0.504	98	32.6 - 149	2	20
1,2,4-Trichlorobenzene	43.2	µg/L	1	50.0	<0.166	86	35.8 - 144	1	20
Naphthalene	51.6	µg/L	1	50.0	<0.417	103	36.7 - 156	2	20
Hexachlorobutadiene	39.1	µg/L	1	50.0	<0.176	78	39.6 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	49.1	48.5	µg/L	1	50	98	97	86.6 - 114
Toluene-d8	49.0	48.6	µg/L	1	50	98	97	91 - 109
4-Bromofluorobenzene (4-BFB)	48.0	48.0	µg/L	1	50	96	96	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 119830

QC Batch: 36102 Date Analyzed: 2007-03-28 Analyzed By: JG
Prep Batch: 31326 QC Preparation: 2007-03-28 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.1	µg/L	1	50.0	<0.0699	104	82.5 - 118
Dichlorodifluoromethane	52.7	µg/L	1	50.0	<0.0598	105	46.8 - 125
Chloromethane (methyl chloride)	52.2	µg/L	1	50.0	<0.230	104	67.1 - 127
Vinyl Chloride	52.4	µg/L	1	50.0	<0.0902	105	63.7 - 129
Bromomethane (methyl bromide)	50.6	µg/L	1	50.0	<0.740	101	65.7 - 127
Chloroethane	53.8	µg/L	1	50.0	<0.195	108	69.9 - 131
Trichlorofluoromethane	62.0	µg/L	1	50.0	<0.160	124	60.2 - 134
Acetone	43.6	µg/L	1	50.0	<0.854	87	12.1 - 136
Iodomethane (methyl iodide)	51.4	µg/L	1	50.0	<0.112	103	75.7 - 115
Carbon Disulfide	53.6	µg/L	1	50.0	<0.0764	107	67.6 - 131
Acrylonitrile	58.7	µg/L	1	50.0	<0.184	117	79.9 - 131
2-Butanone (MEK)	50.3	µg/L	1	50.0	<0.394	101	28.7 - 137
4-Methyl-2-pentanone (MIBK)	58.4	µg/L	1	50.0	<0.484	117	77.1 - 122
2-Hexanone	57.3	µg/L	1	50.0	<0.0975	115	42.3 - 145
trans 1,4-Dichloro-2-butene	49.5	µg/L	1	50.0	<0.421	99	38.5 - 122
1,1-Dichloroethene	53.4	µg/L	1	50.0	<0.0736	107	78.7 - 119
Methylene chloride	51.0	µg/L	1	50.0	<0.689	102	64.9 - 121
MTBE	57.2	µg/L	1	50.0	<0.0504	114	46.6 - 162
trans-1,2-Dichloroethene	54.7	µg/L	1	50.0	<0.0598	109	75.1 - 119
1,1-Dichloroethane	52.3	µg/L	1	50.0	<0.0299	105	86.3 - 119
cis-1,2-Dichloroethene	54.4	µg/L	1	50.0	<0.101	109	82.6 - 116
2,2-Dichloropropane	38.5	µg/L	1	50.0	<0.0665	77	7.8 - 109
1,2-Dichloroethane (EDC)	53.1	µg/L	1	50.0	<0.0557	106	82.7 - 130
Chloroform	50.8	µg/L	1	50.0	<0.0475	102	83.6 - 119
1,1,1-Trichloroethane	51.8	µg/L	1	50.0	<0.0846	104	69.6 - 126
1,1-Dichloropropene	55.2	µg/L	1	50.0	<0.0423	110	79.2 - 121
Benzene	52.6	µg/L	1	50.0	<0.0495	105	75.8 - 125
Carbon Tetrachloride	50.4	µg/L	1	50.0	<0.121	101	58.7 - 143
1,2-Dichloropropane	53.6	µg/L	1	50.0	<0.0933	107	88.4 - 117
Trichloroethene (TCE)	49.3	µg/L	1	50.0	<0.0495	99	83.6 - 112
Dibromomethane (methylene bromide)	51.6	µg/L	1	50.0	<0.0640	103	90.7 - 117
Bromodichloromethane	54.5	µg/L	1	50.0	<0.0651	109	83.4 - 127
2-Chloroethyl vinyl ether	53.6	µg/L	1	50.0	<0.0905	107	10 - 211
cis-1,3-Dichloropropene	51.9	µg/L	1	50.0	<0.0640	104	78.6 - 113
trans-1,3-Dichloropropene	53.9	µg/L	1	50.0	<0.0504	108	81.8 - 113
Toluene	49.8	µg/L	1	50.0	<0.0736	100	81.6 - 115
1,1,2-Trichloroethane	53.2	µg/L	1	50.0	<0.106	106	83.2 - 122
1,3-Dichloropropane	54.4	µg/L	1	50.0	<0.0625	109	87.3 - 123
Dibromochloromethane	55.1	µg/L	1	50.0	<0.0791	110	81.4 - 130

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromoethane (EDB)	54.8	µg/L	1	50.0	<0.0460	110	91.4 - 118
Tetrachloroethene (PCE)	44.6	µg/L	1	50.0	<0.0696	89	51.8 - 111
Chlorobenzene	48.2	µg/L	1	50.0	<0.0217	96	83.9 - 113
1,1,1,2-Tetrachloroethane	52.7	µg/L	1	50.0	<0.125	105	79.5 - 127
Ethylbenzene	53.0	µg/L	1	50.0	<0.0566	106	75.4 - 121
m,p-Xylene	105	µg/L	1	100	<0.0363	105	74 - 124
Bromoform	52.0	µg/L	1	50.0	<0.0859	104	77.5 - 134
Styrene	51.5	µg/L	1	50.0	<0.0394	103	10 - 180
o-Xylene	54.6	µg/L	1	50.0	<0.0504	109	75.4 - 126
1,1,2,2-Tetrachloroethane	54.1	µg/L	1	50.0	<0.0672	108	86.4 - 122
2-Chlorotoluene	52.2	µg/L	1	50.0	<0.0283	104	69.2 - 128
1,2,3-Trichloropropane	53.5	µg/L	1	50.0	<0.0679	107	75.8 - 121
Isopropylbenzene	51.9	µg/L	1	50.0	<0.0406	104	69.6 - 127
Bromobenzene	52.3	µg/L	1	50.0	<0.103	105	77.1 - 125
n-Propylbenzene	49.6	µg/L	1	50.0	<0.0423	99	67.1 - 125
1,3,5-Trimethylbenzene	49.9	µg/L	1	50.0	<0.0557	100	66.1 - 126
tert-Butylbenzene	47.8	µg/L	1	50.0	<0.0770	96	63.9 - 126
1,2,4-Trimethylbenzene	50.1	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	47.8	µg/L	1	50.0	<0.0672	96	66.7 - 119
sec-Butylbenzene	46.9	µg/L	1	50.0	<0.0439	94	57.6 - 127
1,3-Dichlorobenzene (meta)	49.4	µg/L	1	50.0	<0.0672	99	78.8 - 118
p-Isopropyltoluene	46.9	µg/L	1	50.0	<0.0513	94	56.6 - 128
4-Chlorotoluene	51.9	µg/L	1	50.0	<0.0460	104	74 - 127
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.0629	102	81.2 - 119
n-Butylbenzene	45.2	µg/L	1	50.0	<0.0400	90	50.4 - 130
1,2-Dibromo-3-chloropropane	51.0	µg/L	1	50.0	<0.538	102	55.7 - 152
1,2,3-Trichlorobenzene	44.2	µg/L	1	50.0	<0.504	88	32.6 - 149
1,2,4-Trichlorobenzene	41.6	µg/L	1	50.0	<0.166	83	35.8 - 144
Naphthalene	48.5	µg/L	1	50.0	<0.417	97	36.7 - 156
Hexachlorobutadiene	43.7	µg/L	1	50.0	<0.176	87	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.9	µg/L	1	50.0	<0.0699	102	82.5 - 118	2	20
Dichlorodifluoromethane	47.7	µg/L	1	50.0	<0.0598	95	46.8 - 125	10	20
Chloromethane (methyl chloride)	50.3	µg/L	1	50.0	<0.230	101	67.1 - 127	4	20
Vinyl Chloride	49.7	µg/L	1	50.0	<0.0902	99	63.7 - 129	5	20
Bromomethane (methyl bromide)	49.1	µg/L	1	50.0	<0.740	98	65.7 - 127	3	20
Chloroethane	51.3	µg/L	1	50.0	<0.195	103	69.9 - 131	5	20
Trichlorofluoromethane	58.0	µg/L	1	50.0	<0.160	116	60.2 - 134	7	20
Acetone	41.0	µg/L	1	50.0	<0.854	82	12.1 - 136	6	20
Iodomethane (methyl iodide)	50.3	µg/L	1	50.0	<0.112	101	75.7 - 115	2	20
Carbon Disulfide	52.0	µg/L	1	50.0	<0.0764	104	67.6 - 131	3	20
Acrylonitrile	56.0	µg/L	1	50.0	<0.184	112	79.9 - 131	5	20
2-Butanone (MEK)	47.5	µg/L	1	50.0	<0.394	95	28.7 - 137	6	20
4-Methyl-2-pentanone (MIBK)	53.9	µg/L	1	50.0	<0.484	108	77.1 - 122	8	20
2-Hexanone	55.2	µg/L	1	50.0	<0.0975	110	42.3 - 145	4	20
trans 1,4-Dichloro-2-butene	46.9	µg/L	1	50.0	<0.421	94	38.5 - 122	5	20
1,1-Dichloroethene	51.4	µg/L	1	50.0	<0.0736	103	78.7 - 119	4	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Methylene chloride	49.4	µg/L	1	50.0	<0.689	99	64.9 - 121	3	20
MTBE	55.1	µg/L	1	50.0	<0.0504	110	46.6 - 162	4	20
trans-1,2-Dichloroethene	52.9	µg/L	1	50.0	<0.0598	106	75.1 - 119	3	20
1,1-Dichloroethane	51.0	µg/L	1	50.0	<0.0299	102	86.3 - 119	2	20
cis-1,2-Dichloroethene	53.3	µg/L	1	50.0	<0.101	107	82.6 - 116	2	20
2,2-Dichloropropane	36.6	µg/L	1	50.0	<0.0665	73	7.8 - 109	5	20
1,2-Dichloroethane (EDC)	50.8	µg/L	1	50.0	<0.0557	102	82.7 - 130	4	20
Chloroform	49.6	µg/L	1	50.0	<0.0475	99	83.6 - 119	2	20
1,1,1-Trichloroethane	50.0	µg/L	1	50.0	<0.0846	100	69.6 - 126	4	20
1,1-Dichloropropene	53.5	µg/L	1	50.0	<0.0423	107	79.2 - 121	3	20
Benzene	51.6	µg/L	1	50.0	<0.0495	103	75.8 - 125	2	20
Carbon Tetrachloride	48.3	µg/L	1	50.0	<0.121	97	58.7 - 143	4	20
1,2-Dichloropropane	53.0	µg/L	1	50.0	<0.0933	106	88.4 - 117	1	20
Trichloroethene (TCE)	48.1	µg/L	1	50.0	<0.0495	96	83.6 - 112	2	20
Dibromomethane (methylene bromide)	50.3	µg/L	1	50.0	<0.0640	101	90.7 - 117	3	20
Bromodichloromethane	53.5	µg/L	1	50.0	<0.0651	107	83.4 - 127	2	20
2-Chloroethyl vinyl ether	53.0	µg/L	1	50.0	<0.0905	106	10 - 211	1	20
cis-1,3-Dichloropropene	50.9	µg/L	1	50.0	<0.0640	102	78.6 - 113	2	20
trans-1,3-Dichloropropene	52.1	µg/L	1	50.0	<0.0504	104	81.8 - 113	3	20
Toluene	48.7	µg/L	1	50.0	<0.0736	97	81.6 - 115	2	20
1,1,2-Trichloroethane	51.3	µg/L	1	50.0	<0.106	103	83.2 - 122	4	20
1,3-Dichloropropane	52.8	µg/L	1	50.0	<0.0625	106	87.3 - 123	3	20
Dibromochloromethane	53.5	µg/L	1	50.0	<0.0791	107	81.4 - 130	3	20
1,2-Dibromoethane (EDB)	52.9	µg/L	1	50.0	<0.0460	106	91.4 - 118	4	20
Tetrachloroethene (PCE)	43.0	µg/L	1	50.0	<0.0696	86	51.8 - 111	4	20
Chlorobenzene	47.2	µg/L	1	50.0	<0.0217	94	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane	51.3	µg/L	1	50.0	<0.125	103	79.5 - 127	3	20
Ethylbenzene	51.9	µg/L	1	50.0	<0.0566	104	75.4 - 121	2	20
m,p-Xylene	103	µg/L	1	100	<0.0363	103	74 - 124	2	20
Bromoform	50.5	µg/L	1	50.0	<0.0859	101	77.5 - 134	3	20
Styrene	49.9	µg/L	1	50.0	<0.0394	100	10 - 180	3	20
o-Xylene	53.2	µg/L	1	50.0	<0.0504	106	75.4 - 126	3	20
1,1,2,2-Tetrachloroethane	51.7	µg/L	1	50.0	<0.0672	103	86.4 - 122	4	20
2-Chlorotoluene	51.2	µg/L	1	50.0	<0.0283	102	69.2 - 128	2	20
1,2,3-Trichloropropane	51.2	µg/L	1	50.0	<0.0679	102	75.8 - 121	4	20
Isopropylbenzene	51.0	µg/L	1	50.0	<0.0406	102	69.6 - 127	2	20
Bromobenzene	51.7	µg/L	1	50.0	<0.103	103	77.1 - 125	1	20
n-Propylbenzene	48.5	µg/L	1	50.0	<0.0423	97	67.1 - 125	2	20
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.0557	98	66.1 - 126	2	20
tert-Butylbenzene	47.4	µg/L	1	50.0	<0.0770	95	63.9 - 126	1	20
1,2,4-Trimethylbenzene	49.1	µg/L	1	50.0	<0.0336	98	65 - 123	2	20
1,4-Dichlorobenzene (para)	46.8	µg/L	1	50.0	<0.0672	94	66.7 - 119	2	20
sec-Butylbenzene	45.5	µg/L	1	50.0	<0.0439	91	57.6 - 127	3	20
1,3-Dichlorobenzene (meta)	48.6	µg/L	1	50.0	<0.0672	97	78.8 - 118	2	20
p-Isopropyltoluene	45.9	µg/L	1	50.0	<0.0513	92	56.6 - 128	2	20
4-Chlorotoluene	50.5	µg/L	1	50.0	<0.0460	101	74 - 127	3	20
1,2-Dichlorobenzene (ortho)	50.1	µg/L	1	50.0	<0.0629	100	81.2 - 119	2	20
n-Butylbenzene	44.5	µg/L	1	50.0	<0.0400	89	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane	49.8	µg/L	1	50.0	<0.538	100	55.7 - 152	2	20
1,2,3-Trichlorobenzene	42.9	µg/L	1	50.0	<0.504	86	32.6 - 149	3	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene	40.0	µg/L	1	50.0	<0.166	80	35.8 - 144	4	20
Naphthalene	47.7	µg/L	1	50.0	<0.417	95	36.7 - 156	2	20
Hexachlorobutadiene	42.8	µg/L	1	50.0	<0.176	86	39.6 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.0	50.4	µg/L	1	50	102	101	86.6 - 114
Toluene-d8	49.7	49.3	µg/L	1	50	99	99	91 - 109
4-Bromofluorobenzene (4-BFB)	47.4	46.9	µg/L	1	50	95	94	87.2 - 113

Standard (CCV-1)

QC Batch: 34857 Date Analyzed: 2007-02-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	56.6	113	80 - 120	2007-02-18
1,1-Dichloroethene		µg/L	50.0	50.1	100	80 - 120	2007-02-18
Chloroform		µg/L	50.0	51.6	103	80 - 120	2007-02-18
1,2-Dichloropropane		µg/L	50.0	52.5	105	80 - 120	2007-02-18
Toluene		µg/L	50.0	46.5	93	80 - 120	2007-02-18
Chlorobenzene		µg/L	50.0	50.7	101	80 - 120	2007-02-18
Ethylbenzene		µg/L	50.0	51.9	104	80 - 120	2007-02-18

Standard (CCV-1)

QC Batch: 34903 Date Analyzed: 2007-02-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	51.9	104	80 - 120	2007-02-20
1,1-Dichloroethene		µg/L	50.0	50.2	100	80 - 120	2007-02-20
Chloroform		µg/L	50.0	51.4	103	80 - 120	2007-02-20
1,2-Dichloropropane		µg/L	50.0	51.7	103	80 - 120	2007-02-20
Toluene		µg/L	50.0	45.5	91	80 - 120	2007-02-20
Chlorobenzene		µg/L	50.0	49.9	100	80 - 120	2007-02-20
Ethylbenzene		µg/L	50.0	51.1	102	80 - 120	2007-02-20

Standard (CCV-2)

QC Batch: 34903 Date Analyzed: 2007-02-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	58.8	118	80 - 120	2007-02-20
1,1-Dichloroethene		µg/L	50.0	50.5	101	80 - 120	2007-02-20
Chloroform		µg/L	50.0	52.2	104	80 - 120	2007-02-20
1,2-Dichloropropane		µg/L	50.0	53.6	107	80 - 120	2007-02-20
Toluene		µg/L	50.0	46.4	93	80 - 120	2007-02-20
Chlorobenzene		µg/L	50.0	50.7	101	80 - 120	2007-02-20
Ethylbenzene		µg/L	50.0	52.5	105	80 - 120	2007-02-20

Standard (CCV-1)

QC Batch: 34999 Date Analyzed: 2007-02-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	55.0	110	80 - 120	2007-02-23
1,1-Dichloroethene		µg/L	50.0	50.4	101	80 - 120	2007-02-23
Chloroform		µg/L	50.0	50.6	101	80 - 120	2007-02-23
1,2-Dichloropropane		µg/L	50.0	52.1	104	80 - 120	2007-02-23
Toluene		µg/L	50.0	45.8	92	80 - 120	2007-02-23
Chlorobenzene		µg/L	50.0	49.9	100	80 - 120	2007-02-23
Ethylbenzene		µg/L	50.0	51.4	103	80 - 120	2007-02-23

Standard (CCV-2)

QC Batch: 34999 Date Analyzed: 2007-02-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	54.3	109	80 - 120	2007-02-23
1,1-Dichloroethene		µg/L	50.0	49.7	99	80 - 120	2007-02-23
Chloroform		µg/L	50.0	51.6	103	80 - 120	2007-02-23
1,2-Dichloropropane		µg/L	50.0	51.5	103	80 - 120	2007-02-23
Toluene		µg/L	50.0	45.8	92	80 - 120	2007-02-23
Chlorobenzene		µg/L	50.0	49.4	99	80 - 120	2007-02-23
Ethylbenzene		µg/L	50.0	51.5	103	80 - 120	2007-02-23

Standard (CCV-1)

QC Batch: 35060 Date Analyzed: 2007-02-25 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.5	105	70 - 130	2007-02-25
Dichlorodifluoromethane		µg/L	50.0	39.1	78	70 - 130	2007-02-25
Chloromethane (methyl chloride)		µg/L	50.0	45.1	90	70 - 130	2007-02-25

continued . . .

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	44.2	88	80 - 120	2007-02-25
Bromomethane (methyl bromide)		µg/L	50.0	42.0	84	70 - 130	2007-02-25
Chloroethane		µg/L	50.0	44.0	88	70 - 130	2007-02-25
Trichlorofluoromethane		µg/L	50.0	52.3	105	70 - 130	2007-02-25
Acetone		µg/L	50.0	45.6	91	70 - 130	2007-02-25
Iodomethane (methyl iodide)		µg/L	50.0	50.7	101	70 - 130	2007-02-25
Carbon Disulfide		µg/L	50.0	49.6	99	70 - 130	2007-02-25
Acrylonitrile		µg/L	50.0	52.9	106	70 - 130	2007-02-25
2-Butanone (MEK)		µg/L	50.0	49.4	99	70 - 130	2007-02-25
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.9	100	70 - 130	2007-02-25
2-Hexanone		µg/L	50.0	55.1	110	70 - 130	2007-02-25
trans 1,4-Dichloro-2-butene		µg/L	50.0	50.0	100	70 - 130	2007-02-25
1,1-Dichloroethene		µg/L	50.0	50.6	101	80 - 120	2007-02-25
Methylene chloride		µg/L	50.0	46.4	93	70 - 130	2007-02-25
MTBE		µg/L	50.0	53.1	106	70 - 130	2007-02-25
trans-1,2-Dichloroethene		µg/L	50.0	49.9	100	70 - 130	2007-02-25
1,1-Dichloroethane		µg/L	50.0	51.0	102	70 - 130	2007-02-25
cis-1,2-Dichloroethene		µg/L	50.0	51.8	104	70 - 130	2007-02-25
2,2-Dichloropropane		µg/L	50.0	40.5	81	70 - 130	2007-02-25
1,2-Dichloroethane (EDC)		µg/L	50.0	49.5	99	70 - 130	2007-02-25
Chloroform		µg/L	50.0	50.6	101	80 - 120	2007-02-25
1,1,1-Trichloroethane		µg/L	50.0	50.8	102	70 - 130	2007-02-25
1,1-Dichloropropene		µg/L	50.0	50.1	100	70 - 130	2007-02-25
Benzene		µg/L	50.0	49.8	100	70 - 130	2007-02-25
Carbon Tetrachloride		µg/L	50.0	51.0	102	70 - 130	2007-02-25
1,2-Dichloropropane		µg/L	50.0	50.8	102	80 - 120	2007-02-25
Trichloroethene (TCE)		µg/L	50.0	49.6	99	70 - 130	2007-02-25
Dibromomethane (methylene bromide)		µg/L	50.0	50.8	102	70 - 130	2007-02-25
Bromodichloromethane		µg/L	50.0	52.0	104	70 - 130	2007-02-25
2-Chloroethyl vinyl ether		µg/L	50.0	50.8	102	70 - 130	2007-02-25
cis-1,3-Dichloropropene		µg/L	50.0	50.6	101	70 - 130	2007-02-25
trans-1,3-Dichloropropene		µg/L	50.0	50.7	101	70 - 130	2007-02-25
Toluene		µg/L	50.0	44.6	89	80 - 120	2007-02-25
1,1,2-Trichloroethane		µg/L	50.0	50.4	101	70 - 130	2007-02-25
1,3-Dichloropropane		µg/L	50.0	49.7	99	70 - 130	2007-02-25
Dibromochloromethane		µg/L	50.0	52.1	104	70 - 130	2007-02-25
1,2-Dibromoethane (EDB)		µg/L	50.0	51.3	103	70 - 130	2007-02-25
Tetrachloroethene (PCE)		µg/L	50.0	47.5	95	70 - 130	2007-02-25
Chlorobenzene		µg/L	50.0	48.4	97	80 - 120	2007-02-25
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.3	97	70 - 130	2007-02-25
Ethylbenzene		µg/L	50.0	49.4	99	80 - 120	2007-02-25
m,p-Xylene		µg/L	50.0	98.3	197	140 - 260	2007-02-25
Bromoform		µg/L	50.0	52.2	104	70 - 130	2007-02-25
Styrene		µg/L	50.0	51.5	103	70 - 130	2007-02-25
o-Xylene		µg/L	50.0	49.8	100	70 - 130	2007-02-25
1,1,2,2-Tetrachloroethane		µg/L	50.0	52.1	104	70 - 130	2007-02-25
2-Chlorotoluene		µg/L	50.0	49.0	98	70 - 130	2007-02-25
1,2,3-Trichloropropane		µg/L	50.0	49.4	99	70 - 130	2007-02-25
Isopropylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-02-25

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromobenzene		µg/L	50.0	48.4	97	70 - 130	2007-02-25
n-Propylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-02-25
1,3,5-Trimethylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-02-25
tert-Butylbenzene		µg/L	50.0	48.9	98	70 - 130	2007-02-25
1,2,4-Trimethylbenzene		µg/L	50.0	49.3	99	70 - 130	2007-02-25
1,4-Dichlorobenzene (para)		µg/L	50.0	46.8	94	70 - 130	2007-02-25
sec-Butylbenzene		µg/L	50.0	49.2	98	70 - 130	2007-02-25
1,3-Dichlorobenzene (meta)		µg/L	50.0	47.9	96	70 - 130	2007-02-25
p-Isopropyltoluene		µg/L	50.0	49.2	98	70 - 130	2007-02-25
4-Chlorotoluene		µg/L	50.0	48.9	98	70 - 130	2007-02-25
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.3	99	70 - 130	2007-02-25
n-Butylbenzene		µg/L	50.0	52.5	105	70 - 130	2007-02-25
1,2-Dibromo-3-chloropropane		µg/L	50.0	46.8	94	70 - 130	2007-02-25
1,2,3-Trichlorobenzene	[20]	µg/L	50.0	65.3	131	70 - 130	2007-02-25
1,2,4-Trichlorobenzene		µg/L	50.0	54.4	109	70 - 130	2007-02-25
Naphthalene		µg/L	50.0	53.0	106	70 - 130	2007-02-25
Hexachlorobutadiene		µg/L	50.0	49.4	99	70 - 130	2007-02-25

Standard (CCV-1)

QC Batch: 35097 Date Analyzed: 2007-02-26 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.7	105	70 - 130	2007-02-26
Dichlorodifluoromethane		µg/L	50.0	41.8	84	70 - 130	2007-02-26
Chloromethane (methyl chloride)		µg/L	50.0	53.6	107	70 - 130	2007-02-26
Vinyl Chloride		µg/L	50.0	55.5	111	80 - 120	2007-02-26
Bromomethane (methyl bromide)		µg/L	50.0	57.4	115	70 - 130	2007-02-26
Chloroethane		µg/L	50.0	58.1	116	70 - 130	2007-02-26
Trichlorofluoromethane		µg/L	50.0	63.0	126	70 - 130	2007-02-26
Acetone		µg/L	50.0	58.6	117	70 - 130	2007-02-26
Iodomethane (methyl iodide)		µg/L	50.0	51.3	103	70 - 130	2007-02-26
Carbon Disulfide		µg/L	50.0	52.1	104	70 - 130	2007-02-26
Acrylonitrile		µg/L	50.0	53.3	107	70 - 130	2007-02-26
2-Butanone (MEK)		µg/L	50.0	55.4	111	70 - 130	2007-02-26
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	51.1	102	70 - 130	2007-02-26
2-Hexanone		µg/L	50.0	58.4	117	70 - 130	2007-02-26
trans 1,4-Dichloro-2-butene		µg/L	50.0	54.8	110	70 - 130	2007-02-26
1,1-Dichloroethene		µg/L	50.0	51.1	102	80 - 120	2007-02-26
Methylene chloride		µg/L	50.0	48.2	96	70 - 130	2007-02-26
MTBE		µg/L	50.0	52.9	106	70 - 130	2007-02-26
trans-1,2-Dichloroethene		µg/L	50.0	51.6	103	70 - 130	2007-02-26
1,1-Dichloroethane		µg/L	50.0	51.9	104	70 - 130	2007-02-26
cis-1,2-Dichloroethene		µg/L	50.0	52.3	105	70 - 130	2007-02-26
2,2-Dichloropropane		µg/L	50.0	57.3	115	70 - 130	2007-02-26

continued ...

[20] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 101 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dichloroethane (EDC)		µg/L	50.0	52.2	104	70 - 130	2007-02-26
Chloroform		µg/L	50.0	51.6	103	80 - 120	2007-02-26
1,1,1-Trichloroethane		µg/L	50.0	52.8	106	70 - 130	2007-02-26
1,1-Dichloropropene		µg/L	50.0	52.0	104	70 - 130	2007-02-26
Benzene		µg/L	50.0	51.2	102	70 - 130	2007-02-26
Carbon Tetrachloride		µg/L	50.0	54.0	108	70 - 130	2007-02-26
1,2-Dichloropropane		µg/L	50.0	51.7	103	80 - 120	2007-02-26
Trichloroethene (TCE)		µg/L	50.0	50.2	100	70 - 130	2007-02-26
Dibromomethane (methylene bromide)		µg/L	50.0	50.9	102	70 - 130	2007-02-26
Bromodichloromethane		µg/L	50.0	52.8	106	70 - 130	2007-02-26
2-Chloroethyl vinyl ether		µg/L	50.0	51.7	103	70 - 130	2007-02-26
cis-1,3-Dichloropropene		µg/L	50.0	53.5	107	70 - 130	2007-02-26
trans-1,3-Dichloropropene		µg/L	50.0	54.7	109	70 - 130	2007-02-26
Toluene		µg/L	50.0	46.0	92	80 - 120	2007-02-26
1,1,2-Trichloroethane		µg/L	50.0	50.0	100	70 - 130	2007-02-26
1,3-Dichloropropane		µg/L	50.0	50.2	100	70 - 130	2007-02-26
Dibromochloromethane		µg/L	50.0	52.0	104	70 - 130	2007-02-26
1,2-Dibromoethane (EDB)		µg/L	50.0	49.9	100	70 - 130	2007-02-26
Tetrachloroethene (PCE)		µg/L	50.0	48.6	97	70 - 130	2007-02-26
Chlorobenzene		µg/L	50.0	48.8	98	80 - 120	2007-02-26
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.7	99	70 - 130	2007-02-26
Ethylbenzene		µg/L	50.0	50.8	102	80 - 120	2007-02-26
m,p-Xylene		µg/L	50.0	103	206	140 - 260	2007-02-26
Bromoform		µg/L	50.0	50.4	101	70 - 130	2007-02-26
Styrene		µg/L	50.0	52.8	106	70 - 130	2007-02-26
o-Xylene		µg/L	50.0	51.8	104	70 - 130	2007-02-26
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.6	101	70 - 130	2007-02-26
2-Chlorotoluene		µg/L	50.0	49.3	99	70 - 130	2007-02-26
1,2,3-Trichloropropane		µg/L	50.0	48.9	98	70 - 130	2007-02-26
Isopropylbenzene		µg/L	50.0	49.2	98	70 - 130	2007-02-26
Bromobenzene		µg/L	50.0	47.9	96	70 - 130	2007-02-26
n-Propylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-02-26
1,3,5-Trimethylbenzene		µg/L	50.0	49.8	100	70 - 130	2007-02-26
tert-Butylbenzene		µg/L	50.0	48.5	97	70 - 130	2007-02-26
1,2,4-Trimethylbenzene		µg/L	50.0	49.4	99	70 - 130	2007-02-26
1,4-Dichlorobenzene (para)		µg/L	50.0	47.0	94	70 - 130	2007-02-26
sec-Butylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-02-26
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.1	96	70 - 130	2007-02-26
p-Isopropyltoluene		µg/L	50.0	50.0	100	70 - 130	2007-02-26
4-Chlorotoluene		µg/L	50.0	48.7	97	70 - 130	2007-02-26
1,2-Dichlorobenzene (ortho)		µg/L	50.0	48.2	96	70 - 130	2007-02-26
n-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-02-26
1,2-Dibromo-3-chloropropane		µg/L	50.0	42.8	86	70 - 130	2007-02-26
1,2,3-Trichlorobenzene	[21]	µg/L	50.0	30.7	61	70 - 130	2007-02-26
1,2,4-Trichlorobenzene		µg/L	50.0	43.7	87	70 - 130	2007-02-26
Naphthalene	[22]	µg/L	50.0	32.8	66	70 - 130	2007-02-26

continued ...

[21] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within acceptable range. This is acceptable by Method 8000.

[22] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within acceptable range. This is acceptable

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexachlorobutadiene		µg/L	50.0	47.6	95	70 - 130	2007-02-26

Standard (CCV-2)

QC Batch: 35097 Date Analyzed: 2007-02-26 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.1	104	70 - 130	2007-02-26
Dichlorodifluoromethane		µg/L	50.0	41.1	82	70 - 130	2007-02-26
Chloromethane (methyl chloride)		µg/L	50.0	52.0	104	70 - 130	2007-02-26
Vinyl Chloride		µg/L	50.0	52.3	105	80 - 120	2007-02-26
Bromomethane (methyl bromide)		µg/L	50.0	57.0	114	70 - 130	2007-02-26
Chloroethane		µg/L	50.0	55.9	112	70 - 130	2007-02-26
Trichlorofluoromethane		µg/L	50.0	55.4	111	70 - 130	2007-02-26
Acetone		µg/L	50.0	45.2	90	70 - 130	2007-02-26
Iodomethane (methyl iodide)		µg/L	50.0	50.7	101	70 - 130	2007-02-26
Carbon Disulfide		µg/L	50.0	50.4	101	70 - 130	2007-02-26
Acrylonitrile		µg/L	50.0	54.6	109	70 - 130	2007-02-26
2-Butanone (MEK)		µg/L	50.0	46.8	94	70 - 130	2007-02-26
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.5	99	70 - 130	2007-02-26
2-Hexanone		µg/L	50.0	54.0	108	70 - 130	2007-02-26
trans 1,4-Dichloro-2-butene		µg/L	50.0	46.0	92	70 - 130	2007-02-26
1,1-Dichloroethene		µg/L	50.0	50.6	101	80 - 120	2007-02-26
Methylene chloride		µg/L	50.0	46.8	94	70 - 130	2007-02-26
MTBE		µg/L	50.0	52.4	105	70 - 130	2007-02-26
trans-1,2-Dichloroethene		µg/L	50.0	50.4	101	70 - 130	2007-02-26
1,1-Dichloroethane		µg/L	50.0	51.4	103	70 - 130	2007-02-26
cis-1,2-Dichloroethene		µg/L	50.0	51.3	103	70 - 130	2007-02-26
2,2-Dichloropropane		µg/L	50.0	38.6	77	70 - 130	2007-02-26
1,2-Dichloroethane (EDC)		µg/L	50.0	52.2	104	70 - 130	2007-02-26
Chloroform		µg/L	50.0	51.7	103	80 - 120	2007-02-26
1,1,1-Trichloroethane		µg/L	50.0	51.4	103	70 - 130	2007-02-26
1,1-Dichloropropene		µg/L	50.0	50.3	101	70 - 130	2007-02-26
Benzene		µg/L	50.0	50.9	102	70 - 130	2007-02-26
Carbon Tetrachloride		µg/L	50.0	52.7	105	70 - 130	2007-02-26
1,2-Dichloropropane		µg/L	50.0	51.2	102	80 - 120	2007-02-26
Trichloroethene (TCE)		µg/L	50.0	49.5	99	70 - 130	2007-02-26
Dibromomethane (methylene bromide)		µg/L	50.0	51.0	102	70 - 130	2007-02-26
Bromodichloromethane		µg/L	50.0	51.9	104	70 - 130	2007-02-26
2-Chloroethyl vinyl ether		µg/L	50.0	51.2	102	70 - 130	2007-02-26
cis-1,3-Dichloropropene		µg/L	50.0	49.2	98	70 - 130	2007-02-26
trans-1,3-Dichloropropene		µg/L	50.0	51.1	102	70 - 130	2007-02-26
Toluene		µg/L	50.0	45.6	91	80 - 120	2007-02-26
1,1,2-Trichloroethane		µg/L	50.0	49.5	99	70 - 130	2007-02-26
1,3-Dichloropropane		µg/L	50.0	49.6	99	70 - 130	2007-02-26

continued ...

by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dibromochloromethane		µg/L	50.0	49.9	100	70 - 130	2007-02-26
1,2-Dibromoethane (EDB)		µg/L	50.0	48.5	97	70 - 130	2007-02-26
Tetrachloroethene (PCE)		µg/L	50.0	47.9	96	70 - 130	2007-02-26
Chlorobenzene		µg/L	50.0	47.4	95	80 - 120	2007-02-26
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.7	97	70 - 130	2007-02-26
Ethylbenzene		µg/L	50.0	49.6	99	80 - 120	2007-02-26
m,p-Xylene		µg/L	50.0	99.3	199	140 - 260	2007-02-26
Bromoform		µg/L	50.0	47.5	95	70 - 130	2007-02-26
Styrene		µg/L	50.0	51.2	102	70 - 130	2007-02-26
o-Xylene		µg/L	50.0	49.6	99	70 - 130	2007-02-26
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.1	98	70 - 130	2007-02-26
2-Chlorotoluene		µg/L	50.0	48.0	96	70 - 130	2007-02-26
1,2,3-Trichloropropane		µg/L	50.0	46.2	92	70 - 130	2007-02-26
Isopropylbenzene		µg/L	50.0	48.3	97	70 - 130	2007-02-26
Bromobenzene		µg/L	50.0	46.7	93	70 - 130	2007-02-26
n-Propylbenzene		µg/L	50.0	47.8	96	70 - 130	2007-02-26
1,3,5-Trimethylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-02-26
tert-Butylbenzene		µg/L	50.0	47.7	95	70 - 130	2007-02-26
1,2,4-Trimethylbenzene		µg/L	50.0	47.9	96	70 - 130	2007-02-26
1,4-Dichlorobenzene (para)		µg/L	50.0	45.1	90	70 - 130	2007-02-26
sec-Butylbenzene		µg/L	50.0	48.3	97	70 - 130	2007-02-26
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.2	92	70 - 130	2007-02-26
p-Isopropyltoluene		µg/L	50.0	48.1	96	70 - 130	2007-02-26
4-Chlorotoluene		µg/L	50.0	46.6	93	70 - 130	2007-02-26
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.4	95	70 - 130	2007-02-26
n-Butylbenzene		µg/L	50.0	47.8	96	70 - 130	2007-02-26
1,2-Dibromo-3-chloropropane		µg/L	50.0	47.2	94	70 - 130	2007-02-26
1,2,3-Trichlorobenzene	[23]	µg/L	50.0	33.0	66	70 - 130	2007-02-26
1,2,4-Trichlorobenzene		µg/L	50.0	44.8	90	70 - 130	2007-02-26
Naphthalene		µg/L	50.0	35.9	72	70 - 130	2007-02-26
Hexachlorobutadiene		µg/L	50.0	46.4	93	70 - 130	2007-02-26

Standard (CCV-1)

QC Batch: 35223 Date Analyzed: 2007-03-01 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.4	99	70 - 130	2007-03-01
Dichlorodifluoromethane		µg/L	50.0	35.8	72	70 - 130	2007-03-01
Chloromethane (methyl chloride)		µg/L	50.0	45.5	91	70 - 130	2007-03-01
Vinyl Chloride		µg/L	50.0	46.1	92	80 - 120	2007-03-01
Bromomethane (methyl bromide)		µg/L	50.0	44.4	89	70 - 130	2007-03-01
Chloroethane		µg/L	50.0	46.7	93	70 - 130	2007-03-01
Trichlorofluoromethane		µg/L	50.0	54.2	108	70 - 130	2007-03-01
Acetone		µg/L	50.0	45.1	90	70 - 130	2007-03-01

continued ...

[23] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 99 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Iodomethane (methyl iodide)		µg/L	50.0	48.5	97	70 - 130	2007-03-01
Carbon Disulfide		µg/L	50.0	47.6	95	70 - 130	2007-03-01
Acrylonitrile		µg/L	50.0	53.6	107	70 - 130	2007-03-01
2-Butanone (MEK)		µg/L	50.0	46.5	93	70 - 130	2007-03-01
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.7	101	70 - 130	2007-03-01
2-Hexanone		µg/L	50.0	52.7	105	70 - 130	2007-03-01
trans 1,4-Dichloro-2-butene		µg/L	50.0	46.5	93	70 - 130	2007-03-01
1,1-Dichloroethene		µg/L	50.0	48.5	97	80 - 120	2007-03-01
Methylene chloride		µg/L	50.0	45.2	90	70 - 130	2007-03-01
MTBE		µg/L	50.0	50.8	102	70 - 130	2007-03-01
trans-1,2-Dichloroethene		µg/L	50.0	48.7	97	70 - 130	2007-03-01
1,1-Dichloroethane		µg/L	50.0	49.9	100	70 - 130	2007-03-01
cis-1,2-Dichloroethene		µg/L	50.0	49.8	100	70 - 130	2007-03-01
2,2-Dichloropropane		µg/L	50.0	39.6	79	70 - 130	2007-03-01
1,2-Dichloroethane (EDC)		µg/L	50.0	49.2	98	70 - 130	2007-03-01
Chloroform		µg/L	50.0	49.3	99	80 - 120	2007-03-01
1,1,1-Trichloroethane		µg/L	50.0	49.1	98	70 - 130	2007-03-01
1,1-Dichloropropene		µg/L	50.0	47.8	96	70 - 130	2007-03-01
Benzene		µg/L	50.0	48.4	97	70 - 130	2007-03-01
Carbon Tetrachloride		µg/L	50.0	49.1	98	70 - 130	2007-03-01
1,2-Dichloropropane		µg/L	50.0	49.2	98	80 - 120	2007-03-01
Trichloroethene (TCE)		µg/L	50.0	46.8	94	70 - 130	2007-03-01
Dibromomethane (methylene bromide)		µg/L	50.0	49.2	98	70 - 130	2007-03-01
Bromodichloromethane		µg/L	50.0	50.0	100	70 - 130	2007-03-01
2-Chloroethyl vinyl ether		µg/L	50.0	49.2	98	70 - 130	2007-03-01
cis-1,3-Dichloropropene		µg/L	50.0	48.0	96	70 - 130	2007-03-01
trans-1,3-Dichloropropene		µg/L	50.0	48.9	98	70 - 130	2007-03-01
Toluene		µg/L	50.0	42.6	85	80 - 120	2007-03-01
1,1,2-Trichloroethane		µg/L	50.0	49.6	99	70 - 130	2007-03-01
1,3-Dichloropropane		µg/L	50.0	49.2	98	70 - 130	2007-03-01
Dibromochloromethane		µg/L	50.0	50.6	101	70 - 130	2007-03-01
1,2-Dibromoethane (EDB)		µg/L	50.0	50.0	100	70 - 130	2007-03-01
Tetrachloroethene (PCE)		µg/L	50.0	49.3	99	70 - 130	2007-03-01
Chlorobenzene		µg/L	50.0	47.0	94	80 - 120	2007-03-01
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.8	98	70 - 130	2007-03-01
Ethylbenzene		µg/L	50.0	48.7	97	80 - 120	2007-03-01
m,p-Xylene		µg/L	50.0	97.4	195	140 - 260	2007-03-01
Bromoform		µg/L	50.0	49.6	99	70 - 130	2007-03-01
Styrene		µg/L	50.0	50.1	100	70 - 130	2007-03-01
o-Xylene		µg/L	50.0	49.0	98	70 - 130	2007-03-01
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.4	99	70 - 130	2007-03-01
2-Chlorotoluene		µg/L	50.0	49.2	98	70 - 130	2007-03-01
1,2,3-Trichloropropane		µg/L	50.0	49.5	99	70 - 130	2007-03-01
Isopropylbenzene		µg/L	50.0	49.7	99	70 - 130	2007-03-01
Bromobenzene		µg/L	50.0	48.6	97	70 - 130	2007-03-01
n-Propylbenzene		µg/L	50.0	48.8	98	70 - 130	2007-03-01
1,3,5-Trimethylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-03-01
tert-Butylbenzene		µg/L	50.0	49.3	99	70 - 130	2007-03-01
1,2,4-Trimethylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-03-01

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,4-Dichlorobenzene (para)		µg/L	50.0	47.0	94	70 - 130	2007-03-01
sec-Butylbenzene		µg/L	50.0	49.0	98	70 - 130	2007-03-01
1,3-Dichlorobenzene (meta)		µg/L	50.0	47.9	96	70 - 130	2007-03-01
p-Isopropyltoluene		µg/L	50.0	48.6	97	70 - 130	2007-03-01
4-Chlorotoluene		µg/L	50.0	48.6	97	70 - 130	2007-03-01
1,2-Dichlorobenzene (ortho)		µg/L	50.0	48.8	98	70 - 130	2007-03-01
n-Butylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-03-01
1,2-Dibromo-3-chloropropane		µg/L	50.0	48.1	96	70 - 130	2007-03-01
1,2,3-Trichlorobenzene		µg/L	50.0	52.6	105	70 - 130	2007-03-01
1,2,4-Trichlorobenzene		µg/L	50.0	49.0	98	70 - 130	2007-03-01
Naphthalene		µg/L	50.0	46.0	92	70 - 130	2007-03-01
Hexachlorobutadiene		µg/L	50.0	48.0	96	70 - 130	2007-03-01

Standard (CCV-2)

QC Batch: 35223 Date Analyzed: 2007-03-01 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	51.0	102	70 - 130	2007-03-01
Dichlorodifluoromethane		µg/L	50.0	35.2	70	70 - 130	2007-03-01
Chloromethane (methyl chloride)		µg/L	50.0	48.6	97	70 - 130	2007-03-01
Vinyl Chloride		µg/L	50.0	48.8	98	80 - 120	2007-03-01
Bromomethane (methyl bromide)		µg/L	50.0	50.9	102	70 - 130	2007-03-01
Chloroethane		µg/L	50.0	52.1	104	70 - 130	2007-03-01
Trichlorofluoromethane		µg/L	50.0	54.0	108	70 - 130	2007-03-01
Acetone		µg/L	50.0	50.8	102	70 - 130	2007-03-01
Iodomethane (methyl iodide)		µg/L	50.0	48.2	96	70 - 130	2007-03-01
Carbon Disulfide		µg/L	50.0	46.6	93	70 - 130	2007-03-01
Acrylonitrile		µg/L	50.0	53.9	108	70 - 130	2007-03-01
2-Butanone (MEK)		µg/L	50.0	48.9	98	70 - 130	2007-03-01
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	48.9	98	70 - 130	2007-03-01
2-Hexanone		µg/L	50.0	53.4	107	70 - 130	2007-03-01
trans 1,4-Dichloro-2-butene		µg/L	50.0	43.7	87	70 - 130	2007-03-01
1,1-Dichloroethene		µg/L	50.0	48.4	97	80 - 120	2007-03-01
Methylene chloride		µg/L	50.0	45.9	92	70 - 130	2007-03-01
MTBE		µg/L	50.0	49.9	100	70 - 130	2007-03-01
trans-1,2-Dichloroethene		µg/L	50.0	49.1	98	70 - 130	2007-03-01
1,1-Dichloroethane		µg/L	50.0	49.8	100	70 - 130	2007-03-01
cis-1,2-Dichloroethene		µg/L	50.0	49.9	100	70 - 130	2007-03-01
2,2-Dichloropropane		µg/L	50.0	52.9	106	70 - 130	2007-03-01
1,2-Dichloroethane (EDC)		µg/L	50.0	49.9	100	70 - 130	2007-03-01
Chloroform		µg/L	50.0	50.6	101	80 - 120	2007-03-01
1,1,1-Trichloroethane		µg/L	50.0	50.0	100	70 - 130	2007-03-01
1,1-Dichloropropene		µg/L	50.0	49.2	98	70 - 130	2007-03-01
Benzene		µg/L	50.0	49.1	98	70 - 130	2007-03-01
Carbon Tetrachloride		µg/L	50.0	50.9	102	70 - 130	2007-03-01
1,2-Dichloropropane		µg/L	50.0	50.0	100	80 - 120	2007-03-01

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Trichloroethene (TCE)		µg/L	50.0	47.6	95	70 - 130	2007-03-01
Dibromomethane (methylene bromide)		µg/L	50.0	49.9	100	70 - 130	2007-03-01
Bromodichloromethane		µg/L	50.0	50.5	101	70 - 130	2007-03-01
2-Chloroethyl vinyl ether		µg/L	50.0	50.0	100	70 - 130	2007-03-01
cis-1,3-Dichloropropene		µg/L	50.0	49.5	99	70 - 130	2007-03-01
trans-1,3-Dichloropropene		µg/L	50.0	51.6	103	70 - 130	2007-03-01
Toluene		µg/L	50.0	44.0	88	80 - 120	2007-03-01
1,1,2-Trichloroethane		µg/L	50.0	49.9	100	70 - 130	2007-03-01
1,3-Dichloropropane		µg/L	50.0	49.9	100	70 - 130	2007-03-01
Dibromochloromethane		µg/L	50.0	49.4	99	70 - 130	2007-03-01
1,2-Dibromoethane (EDB)		µg/L	50.0	49.0	98	70 - 130	2007-03-01
Tetrachloroethene (PCE)		µg/L	50.0	47.3	95	70 - 130	2007-03-01
Chlorobenzene		µg/L	50.0	47.8	96	80 - 120	2007-03-01
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.5	99	70 - 130	2007-03-01
Ethylbenzene		µg/L	50.0	50.1	100	80 - 120	2007-03-01
m,p-Xylene		µg/L	50.0	101	202	140 - 260	2007-03-01
Bromoform		µg/L	50.0	46.2	92	70 - 130	2007-03-01
Styrene		µg/L	50.0	52.3	105	70 - 130	2007-03-01
o-Xylene		µg/L	50.0	50.7	101	70 - 130	2007-03-01
1,1,2,2-Tetrachloroethane		µg/L	50.0	47.7	95	70 - 130	2007-03-01
2-Chlorotoluene		µg/L	50.0	51.5	103	70 - 130	2007-03-01
1,2,3-Trichloropropane		µg/L	50.0	47.7	95	70 - 130	2007-03-01
Isopropylbenzene		µg/L	50.0	51.2	102	70 - 130	2007-03-01
Bromobenzene		µg/L	50.0	49.4	99	70 - 130	2007-03-01
n-Propylbenzene		µg/L	50.0	51.5	103	70 - 130	2007-03-01
1,3,5-Trimethylbenzene		µg/L	50.0	51.8	104	70 - 130	2007-03-01
tert-Butylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-03-01
1,2,4-Trimethylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-03-01
1,4-Dichlorobenzene (para)		µg/L	50.0	47.8	96	70 - 130	2007-03-01
sec-Butylbenzene		µg/L	50.0	50.9	102	70 - 130	2007-03-01
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.6	97	70 - 130	2007-03-01
p-Isopropyltoluene		µg/L	50.0	50.7	101	70 - 130	2007-03-01
4-Chlorotoluene		µg/L	50.0	50.4	101	70 - 130	2007-03-01
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.3	95	70 - 130	2007-03-01
n-Butylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-03-01
1,2-Dibromo-3-chloropropane	[24]	µg/L	50.0	31.4	63	70 - 130	2007-03-01
1,2,3-Trichlorobenzene		µg/L	50.0	39.5	79	70 - 130	2007-03-01
1,2,4-Trichlorobenzene	[25]	µg/L	50.0	31.6	63	70 - 130	2007-03-01
Naphthalene	[26]	µg/L	50.0	29.1	58	70 - 130	2007-03-01
Hexachlorobutadiene		µg/L	50.0	39.3	79	70 - 130	2007-03-01

Standard (CCV-1)

QC Batch: 35281 Date Analyzed: 2007-03-05 Analyzed By: JG

[24] 1,2-Dibromo-3-chloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 98 which is within acceptable range. This is acceptable by Method 8000.

[25] 1,2,4-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 98 which is within acceptable range. This is acceptable by Method 8000.

[26] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 98 which is within acceptable range. This is acceptable by Method 8000.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	54.4	109	70 - 130	2007-03-05
Dichlorodifluoromethane		µg/L	50.0	49.4	99	70 - 130	2007-03-05
Chloromethane (methyl chloride)		µg/L	50.0	50.6	101	70 - 130	2007-03-05
Vinyl Chloride		µg/L	50.0	48.2	96	80 - 120	2007-03-05
Bromomethane (methyl bromide)		µg/L	50.0	44.9	90	70 - 130	2007-03-05
Chloroethane		µg/L	50.0	48.5	97	70 - 130	2007-03-05
Trichlorofluoromethane		µg/L	50.0	62.5	125	70 - 130	2007-03-05
Acetone		µg/L	50.0	39.4	79	70 - 130	2007-03-05
Iodomethane (methyl iodide)		µg/L	50.0	52.7	105	70 - 130	2007-03-05
Carbon Disulfide		µg/L	50.0	51.7	103	70 - 130	2007-03-05
Acrylonitrile		µg/L	50.0	51.7	103	70 - 130	2007-03-05
2-Butanone (MEK)		µg/L	50.0	46.1	92	70 - 130	2007-03-05
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.8	102	70 - 130	2007-03-05
2-Hexanone		µg/L	50.0	48.6	97	70 - 130	2007-03-05
trans 1,4-Dichloro-2-butene		µg/L	50.0	49.2	98	70 - 130	2007-03-05
1,1-Dichloroethene		µg/L	50.0	50.4	101	80 - 120	2007-03-05
Methylene chloride		µg/L	50.0	45.5	91	70 - 130	2007-03-05
MTBE		µg/L	50.0	53.0	106	70 - 130	2007-03-05
trans-1,2-Dichloroethene		µg/L	50.0	50.2	100	70 - 130	2007-03-05
1,1-Dichloroethane		µg/L	50.0	53.3	107	70 - 130	2007-03-05
cis-1,2-Dichloroethene		µg/L	50.0	52.1	104	70 - 130	2007-03-05
2,2-Dichloropropane		µg/L	50.0	60.1	120	70 - 130	2007-03-05
1,2-Dichloroethane (EDC)		µg/L	50.0	51.0	102	70 - 130	2007-03-05
Chloroform		µg/L	50.0	53.2	106	80 - 120	2007-03-05
1,1,1-Trichloroethane		µg/L	50.0	54.8	110	70 - 130	2007-03-05
1,1-Dichloropropene		µg/L	50.0	50.6	101	70 - 130	2007-03-05
Benzene		µg/L	50.0	50.2	100	70 - 130	2007-03-05
Carbon Tetrachloride		µg/L	50.0	54.8	110	70 - 130	2007-03-05
1,2-Dichloropropane		µg/L	50.0	52.0	104	80 - 120	2007-03-05
Trichloroethene (TCE)		µg/L	50.0	50.9	102	70 - 130	2007-03-05
Dibromomethane (methylene bromide)		µg/L	50.0	52.9	106	70 - 130	2007-03-05
Bromodichloromethane		µg/L	50.0	53.3	107	70 - 130	2007-03-05
2-Chloroethyl vinyl ether		µg/L	50.0	52.0	104	70 - 130	2007-03-05
cis-1,3-Dichloropropene		µg/L	50.0	54.1	108	70 - 130	2007-03-05
trans-1,3-Dichloropropene		µg/L	50.0	53.7	107	70 - 130	2007-03-05
Toluene		µg/L	50.0	45.0	90	80 - 120	2007-03-05
1,1,2-Trichloroethane		µg/L	50.0	52.0	104	70 - 130	2007-03-05
1,3-Dichloropropane		µg/L	50.0	50.7	101	70 - 130	2007-03-05
Dibromochloromethane		µg/L	50.0	54.3	109	70 - 130	2007-03-05
1,2-Dibromoethane (EDB)		µg/L	50.0	52.1	104	70 - 130	2007-03-05
Tetrachloroethene (PCE)		µg/L	50.0	51.4	103	70 - 130	2007-03-05
Chlorobenzene		µg/L	50.0	49.4	99	80 - 120	2007-03-05
1,1,1,2-Tetrachloroethane		µg/L	50.0	51.8	104	70 - 130	2007-03-05
Ethylbenzene		µg/L	50.0	50.4	101	80 - 120	2007-03-05
m,p-Xylene		µg/L	50.0	100	200	140 - 260	2007-03-05
Bromoform		µg/L	50.0	54.5	109	70 - 130	2007-03-05
Styrene		µg/L	50.0	51.6	103	70 - 130	2007-03-05
o-Xylene		µg/L	50.0	50.7	101	70 - 130	2007-03-05
1,1,2,2-Tetrachloroethane		µg/L	50.0	48.6	97	70 - 130	2007-03-05
2-Chlorotoluene		µg/L	50.0	52.8	106	70 - 130	2007-03-05

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/L	50.0	52.0	104	70 - 130	2007-03-05
Isopropylbenzene		µg/L	50.0	54.2	108	70 - 130	2007-03-05
Bromobenzene		µg/L	50.0	51.9	104	70 - 130	2007-03-05
n-Propylbenzene		µg/L	50.0	52.6	105	70 - 130	2007-03-05
1,3,5-Trimethylbenzene		µg/L	50.0	52.7	105	70 - 130	2007-03-05
tert-Butylbenzene		µg/L	50.0	52.2	104	70 - 130	2007-03-05
1,2,4-Trimethylbenzene		µg/L	50.0	52.0	104	70 - 130	2007-03-05
1,4-Dichlorobenzene (para)		µg/L	50.0	50.0	100	70 - 130	2007-03-05
sec-Butylbenzene		µg/L	50.0	52.0	104	70 - 130	2007-03-05
1,3-Dichlorobenzene (meta)		µg/L	50.0	50.8	102	70 - 130	2007-03-05
p-Isopropyltoluene		µg/L	50.0	51.7	103	70 - 130	2007-03-05
4-Chlorotoluene		µg/L	50.0	52.8	106	70 - 130	2007-03-05
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.0	100	70 - 130	2007-03-05
n-Butylbenzene		µg/L	50.0	51.5	103	70 - 130	2007-03-05
1,2-Dibromo-3-chloropropane		µg/L	50.0	36.4	73	70 - 130	2007-03-05
1,2,3-Trichlorobenzene	[27]	µg/L	50.0	15.2	30	70 - 130	2007-03-05
1,2,4-Trichlorobenzene	[28]	µg/L	50.0	28.5	57	70 - 130	2007-03-05
Naphthalene	[29]	µg/L	50.0	20.8	42	70 - 130	2007-03-05
Hexachlorobutadiene		µg/L	50.0	43.8	88	70 - 130	2007-03-05

Standard (CCV-1)

QC Batch: 35641 Date Analyzed: 2007-03-15 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	51.7	103	70 - 130	2007-03-15
Dichlorodifluoromethane		µg/L	50.0	51.8	104	70 - 130	2007-03-15
Chloromethane (methyl chloride)		µg/L	50.0	46.3	93	70 - 130	2007-03-15
Vinyl Chloride		µg/L	50.0	45.9	92	80 - 120	2007-03-15
Bromomethane (methyl bromide)		µg/L	50.0	47.3	95	70 - 130	2007-03-15
Chloroethane		µg/L	50.0	46.6	93	70 - 130	2007-03-15
Trichlorofluoromethane		µg/L	50.0	54.8	110	70 - 130	2007-03-15
Acetone	[30]	µg/L	50.0	218	436	70 - 130	2007-03-15
Iodomethane (methyl iodide)		µg/L	50.0	52.0	104	70 - 130	2007-03-15
Carbon Disulfide		µg/L	50.0	50.8	102	70 - 130	2007-03-15
Acrylonitrile		µg/L	50.0	54.3	109	70 - 130	2007-03-15
2-Butanone (MEK)	[31]	µg/L	50.0	83.5	167	70 - 130	2007-03-15
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	57.6	115	70 - 130	2007-03-15

continued ...

[27] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 101 which is within acceptable range. This is acceptable by Method 8000.

[28] 1,2,4-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 101 which is within acceptable range. This is acceptable by Method 8000.

[29] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 101 which is within acceptable range. This is acceptable by Method 8000.

[30] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 111 which is within acceptable range. This is acceptable by Method 8000.

[31] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 111 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Hexanone	[32]	µg/L	50.0	76.7	153	70 - 130	2007-03-15
trans 1,4-Dichloro-2-butene		µg/L	50.0	55.5	111	70 - 130	2007-03-15
1,1-Dichloroethene		µg/L	50.0	49.0	98	80 - 120	2007-03-15
Methylene chloride		µg/L	50.0	53.8	108	70 - 130	2007-03-15
MTBE		µg/L	50.0	54.6	109	70 - 130	2007-03-15
trans-1,2-Dichloroethene		µg/L	50.0	51.2	102	70 - 130	2007-03-15
1,1-Dichloroethane		µg/L	50.0	51.3	103	70 - 130	2007-03-15
cis-1,2-Dichloroethene		µg/L	50.0	52.3	105	70 - 130	2007-03-15
2,2-Dichloropropane		µg/L	50.0	52.6	105	70 - 130	2007-03-15
1,2-Dichloroethane (EDC)		µg/L	50.0	50.1	100	70 - 130	2007-03-15
Chloroform		µg/L	50.0	49.4	99	80 - 120	2007-03-15
1,1,1-Trichloroethane		µg/L	50.0	51.1	102	70 - 130	2007-03-15
1,1-Dichloropropene		µg/L	50.0	52.8	106	70 - 130	2007-03-15
Benzene		µg/L	50.0	50.0	100	70 - 130	2007-03-15
Carbon Tetrachloride		µg/L	50.0	49.3	99	70 - 130	2007-03-15
1,2-Dichloropropane		µg/L	50.0	52.6	105	80 - 120	2007-03-15
Trichloroethene (TCE)		µg/L	50.0	48.9	98	70 - 130	2007-03-15
Dibromomethane (methylene bromide)		µg/L	50.0	51.6	103	70 - 130	2007-03-15
Bromodichloromethane		µg/L	50.0	53.1	106	70 - 130	2007-03-15
2-Chloroethyl vinyl ether		µg/L	50.0	52.6	105	70 - 130	2007-03-15
cis-1,3-Dichloropropene		µg/L	50.0	55.4	111	70 - 130	2007-03-15
trans-1,3-Dichloropropene		µg/L	50.0	56.7	113	70 - 130	2007-03-15
Toluene		µg/L	50.0	48.2	96	80 - 120	2007-03-15
1,1,2-Trichloroethane		µg/L	50.0	51.3	103	70 - 130	2007-03-15
1,3-Dichloropropane		µg/L	50.0	52.9	106	70 - 130	2007-03-15
Dibromochloromethane		µg/L	50.0	55.1	110	70 - 130	2007-03-15
1,2-Dibromoethane (EDB)		µg/L	50.0	54.6	109	70 - 130	2007-03-15
Tetrachloroethene (PCE)		µg/L	50.0	49.2	98	70 - 130	2007-03-15
Chlorobenzene		µg/L	50.0	47.8	96	80 - 120	2007-03-15
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.3	105	70 - 130	2007-03-15
Ethylbenzene		µg/L	50.0	52.6	105	80 - 120	2007-03-15
m,p-Xylene		µg/L	50.0	105	210	140 - 260	2007-03-15
Bromoform		µg/L	50.0	54.0	108	70 - 130	2007-03-15
Styrene		µg/L	50.0	56.6	113	70 - 130	2007-03-15
o-Xylene		µg/L	50.0	54.0	108	70 - 130	2007-03-15
1,1,2,2-Tetrachloroethane		µg/L	50.0	53.3	107	70 - 130	2007-03-15
2-Chlorotoluene		µg/L	50.0	52.6	105	70 - 130	2007-03-15
1,2,3-Trichloropropane		µg/L	50.0	54.5	109	70 - 130	2007-03-15
Isopropylbenzene		µg/L	50.0	53.8	108	70 - 130	2007-03-15
Bromobenzene		µg/L	50.0	52.1	104	70 - 130	2007-03-15
n-Propylbenzene		µg/L	50.0	52.3	105	70 - 130	2007-03-15
1,3,5-Trimethylbenzene		µg/L	50.0	52.8	106	70 - 130	2007-03-15
tert-Butylbenzene		µg/L	50.0	51.9	104	70 - 130	2007-03-15
1,2,4-Trimethylbenzene		µg/L	50.0	52.5	105	70 - 130	2007-03-15
1,4-Dichlorobenzene (para)		µg/L	50.0	49.3	99	70 - 130	2007-03-15
sec-Butylbenzene		µg/L	50.0	52.0	104	70 - 130	2007-03-15
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.0	102	70 - 130	2007-03-15

continued ...

[32] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 111 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
p-Isopropyltoluene		µg/L	50.0	52.9	106	70 - 130	2007-03-15
4-Chlorotoluene		µg/L	50.0	52.7	105	70 - 130	2007-03-15
1,2-Dichlorobenzene (ortho)		µg/L	50.0	52.4	105	70 - 130	2007-03-15
n-Butylbenzene		µg/L	50.0	52.5	105	70 - 130	2007-03-15
1,2-Dibromo-3-chloropropane		µg/L	50.0	53.4	107	70 - 130	2007-03-15
1,2,3-Trichlorobenzene		µg/L	50.0	46.7	93	70 - 130	2007-03-15
1,2,4-Trichlorobenzene		µg/L	50.0	49.2	98	70 - 130	2007-03-15
Naphthalene		µg/L	50.0	49.2	98	70 - 130	2007-03-15
Hexachlorobutadiene		µg/L	50.0	49.4	99	70 - 130	2007-03-15

Standard (CCV-1)

QC Batch: 35976 Date Analyzed: 2007-03-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	53.0	106	70 - 130	2007-03-24
Dichlorodifluoromethane		µg/L	50.0	46.5	93	70 - 130	2007-03-24
Chloromethane (methyl chloride)		µg/L	50.0	51.5	103	70 - 130	2007-03-24
Vinyl Chloride		µg/L	50.0	52.1	104	80 - 120	2007-03-24
Bromomethane (methyl bromide)		µg/L	50.0	58.0	116	70 - 130	2007-03-24
Chloroethane		µg/L	50.0	56.0	112	70 - 130	2007-03-24
Trichlorofluoromethane		µg/L	50.0	58.3	117	70 - 130	2007-03-24
Acetone	[33]	µg/L	50.0	75.4	151	70 - 130	2007-03-24
Iodomethane (methyl iodide)		µg/L	50.0	50.3	101	70 - 130	2007-03-24
Carbon Disulfide		µg/L	50.0	50.8	102	70 - 130	2007-03-24
Acrylonitrile		µg/L	50.0	57.5	115	70 - 130	2007-03-24
2-Butanone (MEK)	[34]	µg/L	50.0	66.8	134	70 - 130	2007-03-24
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	56.6	113	70 - 130	2007-03-24
2-Hexanone	[35]	µg/L	50.0	74.1	148	70 - 130	2007-03-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	56.7	113	70 - 130	2007-03-24
1,1-Dichloroethene		µg/L	50.0	48.7	97	80 - 120	2007-03-24
Methylene chloride		µg/L	50.0	51.8	104	70 - 130	2007-03-24
MTBE		µg/L	50.0	54.0	108	70 - 130	2007-03-24
trans-1,2-Dichloroethene		µg/L	50.0	52.0	104	70 - 130	2007-03-24
1,1-Dichloroethane		µg/L	50.0	51.0	102	70 - 130	2007-03-24
cis-1,2-Dichloroethene		µg/L	50.0	52.4	105	70 - 130	2007-03-24
2,2-Dichloropropane		µg/L	50.0	51.7	103	70 - 130	2007-03-24
1,2-Dichloroethane (EDC)		µg/L	50.0	51.2	102	70 - 130	2007-03-24
Chloroform		µg/L	50.0	50.9	102	80 - 120	2007-03-24
1,1,1-Trichloroethane		µg/L	50.0	50.9	102	70 - 130	2007-03-24
1,1-Dichloropropene		µg/L	50.0	52.3	105	70 - 130	2007-03-24

continued ...

[33] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 108 which is within acceptable range. This is acceptable by Method 8000.

[34] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 108 which is within acceptable range. This is acceptable by Method 8000.

[35] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 108 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		µg/L	50.0	51.0	102	70 - 130	2007-03-24
Carbon Tetrachloride		µg/L	50.0	49.5	99	70 - 130	2007-03-24
1,2-Dichloropropane		µg/L	50.0	53.2	106	80 - 120	2007-03-24
Trichloroethene (TCE)		µg/L	50.0	48.6	97	70 - 130	2007-03-24
Dibromomethane (methylene bromide)		µg/L	50.0	52.3	105	70 - 130	2007-03-24
Bromodichloromethane		µg/L	50.0	52.9	106	70 - 130	2007-03-24
2-Chloroethyl vinyl ether		µg/L	50.0	53.2	106	70 - 130	2007-03-24
cis-1,3-Dichloropropene		µg/L	50.0	54.4	109	70 - 130	2007-03-24
trans-1,3-Dichloropropene		µg/L	50.0	57.7	115	70 - 130	2007-03-24
Toluene		µg/L	50.0	49.7	99	80 - 120	2007-03-24
1,1,2-Trichloroethane		µg/L	50.0	53.4	107	70 - 130	2007-03-24
1,3-Dichloropropane		µg/L	50.0	53.9	108	70 - 130	2007-03-24
Dibromochloromethane		µg/L	50.0	55.0	110	70 - 130	2007-03-24
1,2-Dibromoethane (EDB)		µg/L	50.0	54.5	109	70 - 130	2007-03-24
Tetrachloroethene (PCE)		µg/L	50.0	48.5	97	70 - 130	2007-03-24
Chlorobenzene		µg/L	50.0	48.2	96	80 - 120	2007-03-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	53.5	107	70 - 130	2007-03-24
Ethylbenzene		µg/L	50.0	54.3	109	80 - 120	2007-03-24
m,p-Xylene		µg/L	50.0	109	218	140 - 260	2007-03-24
Bromoform		µg/L	50.0	54.8	110	70 - 130	2007-03-24
Styrene		µg/L	50.0	57.8	116	70 - 130	2007-03-24
o-Xylene		µg/L	50.0	56.1	112	70 - 130	2007-03-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	54.9	110	70 - 130	2007-03-24
2-Chlorotoluene		µg/L	50.0	53.0	106	70 - 130	2007-03-24
1,2,3-Trichloropropane		µg/L	50.0	53.9	108	70 - 130	2007-03-24
Isopropylbenzene		µg/L	50.0	53.7	107	70 - 130	2007-03-24
Bromobenzene		µg/L	50.0	51.8	104	70 - 130	2007-03-24
n-Propylbenzene		µg/L	50.0	52.5	105	70 - 130	2007-03-24
1,3,5-Trimethylbenzene		µg/L	50.0	52.9	106	70 - 130	2007-03-24
tert-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-03-24
1,2,4-Trimethylbenzene		µg/L	50.0	53.0	106	70 - 130	2007-03-24
1,4-Dichlorobenzene (para)		µg/L	50.0	49.6	99	70 - 130	2007-03-24
sec-Butylbenzene		µg/L	50.0	51.1	102	70 - 130	2007-03-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.1	102	70 - 130	2007-03-24
p-Isopropyltoluene		µg/L	50.0	51.4	103	70 - 130	2007-03-24
4-Chlorotoluene		µg/L	50.0	52.4	105	70 - 130	2007-03-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.7	103	70 - 130	2007-03-24
n-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-03-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	51.8	104	70 - 130	2007-03-24
1,2,3-Trichlorobenzene		µg/L	50.0	48.4	97	70 - 130	2007-03-24
1,2,4-Trichlorobenzene		µg/L	50.0	47.9	96	70 - 130	2007-03-24
Naphthalene		µg/L	50.0	50.8	102	70 - 130	2007-03-24
Hexachlorobutadiene		µg/L	50.0	44.7	89	70 - 130	2007-03-24

Standard (CCV-1)

QC Batch: 36102 Date Analyzed: 2007-03-28 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.4	99	70 - 130	2007-03-28
Dichlorodifluoromethane		µg/L	50.0	47.7	95	70 - 130	2007-03-28
Chloromethane (methyl chloride)		µg/L	50.0	43.0	86	70 - 130	2007-03-28
Vinyl Chloride		µg/L	50.0	42.9	86	80 - 120	2007-03-28
Bromomethane (methyl bromide)		µg/L	50.0	45.7	91	70 - 130	2007-03-28
Chloroethane		µg/L	50.0	44.8	90	70 - 130	2007-03-28
Trichlorofluoromethane		µg/L	50.0	55.2	110	70 - 130	2007-03-28
Acetone		µg/L	50.0	40.2	80	70 - 130	2007-03-28
Iodomethane (methyl iodide)		µg/L	50.0	50.5	101	70 - 130	2007-03-28
Carbon Disulfide		µg/L	50.0	50.3	101	70 - 130	2007-03-28
Acrylonitrile		µg/L	50.0	51.1	102	70 - 130	2007-03-28
2-Butanone (MEK)		µg/L	50.0	46.1	92	70 - 130	2007-03-28
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	53.2	106	70 - 130	2007-03-28
2-Hexanone		µg/L	50.0	50.1	100	70 - 130	2007-03-28
trans 1,4-Dichloro-2-butene		µg/L	50.0	49.4	99	70 - 130	2007-03-28
1,1-Dichloroethene		µg/L	50.0	50.5	101	80 - 120	2007-03-28
Methylene chloride		µg/L	50.0	49.2	98	70 - 130	2007-03-28
MTBE		µg/L	50.0	53.8	108	70 - 130	2007-03-28
trans-1,2-Dichloroethene		µg/L	50.0	51.2	102	70 - 130	2007-03-28
1,1-Dichloroethane		µg/L	50.0	48.9	98	70 - 130	2007-03-28
cis-1,2-Dichloroethene		µg/L	50.0	51.6	103	70 - 130	2007-03-28
2,2-Dichloropropane		µg/L	50.0	50.5	101	70 - 130	2007-03-28
1,2-Dichloroethane (EDC)		µg/L	50.0	47.5	95	70 - 130	2007-03-28
Chloroform		µg/L	50.0	46.6	93	80 - 120	2007-03-28
1,1,1-Trichloroethane		µg/L	50.0	48.5	97	70 - 130	2007-03-28
1,1-Dichloropropene		µg/L	50.0	51.7	103	70 - 130	2007-03-28
Benzene		µg/L	50.0	49.4	99	70 - 130	2007-03-28
Carbon Tetrachloride		µg/L	50.0	47.4	95	70 - 130	2007-03-28
1,2-Dichloropropane		µg/L	50.0	50.5	101	80 - 120	2007-03-28
Trichloroethene (TCE)		µg/L	50.0	48.2	96	70 - 130	2007-03-28
Dibromomethane (methylene bromide)		µg/L	50.0	49.2	98	70 - 130	2007-03-28
Bromodichloromethane		µg/L	50.0	52.3	105	70 - 130	2007-03-28
2-Chloroethyl vinyl ether		µg/L	50.0	50.5	101	70 - 130	2007-03-28
cis-1,3-Dichloropropene		µg/L	50.0	53.2	106	70 - 130	2007-03-28
trans-1,3-Dichloropropene		µg/L	50.0	53.2	106	70 - 130	2007-03-28
Toluene		µg/L	50.0	47.3	95	80 - 120	2007-03-28
1,1,2-Trichloroethane		µg/L	50.0	49.3	99	70 - 130	2007-03-28
1,3-Dichloropropane		µg/L	50.0	49.9	100	70 - 130	2007-03-28
Dibromochloromethane		µg/L	50.0	52.6	105	70 - 130	2007-03-28
1,2-Dibromoethane (EDB)		µg/L	50.0	52.1	104	70 - 130	2007-03-28
Tetrachloroethene (PCE)		µg/L	50.0	44.2	88	70 - 130	2007-03-28
Chlorobenzene		µg/L	50.0	46.1	92	80 - 120	2007-03-28
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.0	100	70 - 130	2007-03-28
Ethylbenzene		µg/L	50.0	49.5	99	80 - 120	2007-03-28
m,p-Xylene		µg/L	50.0	98.0	196	140 - 260	2007-03-28
Bromoform		µg/L	50.0	50.1	100	70 - 130	2007-03-28
Styrene		µg/L	50.0	52.5	105	70 - 130	2007-03-28
o-Xylene		µg/L	50.0	50.8	102	70 - 130	2007-03-28
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.4	99	70 - 130	2007-03-28
2-Chlorotoluene		µg/L	50.0	49.9	100	70 - 130	2007-03-28

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/L	50.0	52.2	104	70 - 130	2007-03-28
Isopropylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-03-28
Bromobenzene		µg/L	50.0	50.4	101	70 - 130	2007-03-28
n-Propylbenzene		µg/L	50.0	47.8	96	70 - 130	2007-03-28
1,3,5-Trimethylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-03-28
tert-Butylbenzene		µg/L	50.0	47.8	96	70 - 130	2007-03-28
1,2,4-Trimethylbenzene		µg/L	50.0	48.8	98	70 - 130	2007-03-28
1,4-Dichlorobenzene (para)		µg/L	50.0	47.1	94	70 - 130	2007-03-28
sec-Butylbenzene		µg/L	50.0	46.6	93	70 - 130	2007-03-28
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.4	97	70 - 130	2007-03-28
p-Isopropyltoluene		µg/L	50.0	46.9	94	70 - 130	2007-03-28
4-Chlorotoluene		µg/L	50.0	50.6	101	70 - 130	2007-03-28
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.0	100	70 - 130	2007-03-28
n-Butylbenzene		µg/L	50.0	46.1	92	70 - 130	2007-03-28
1,2-Dibromo-3-chloropropane		µg/L	50.0	48.3	97	70 - 130	2007-03-28
1,2,3-Trichlorobenzene		µg/L	50.0	35.9	72	70 - 130	2007-03-28
1,2,4-Trichlorobenzene		µg/L	50.0	40.1	80	70 - 130	2007-03-28
Naphthalene		µg/L	50.0	41.6	83	70 - 130	2007-03-28
Hexachlorobutadiene		µg/L	50.0	46.9	94	70 - 130	2007-03-28

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Alkalinity	SM 2320B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38059	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32955	Sample Preparation:	2007-06-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**	mg/L as CaCo3	1	4.00

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38059	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32955	Sample Preparation:	2007-06-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**86.0**	mg/L as CaCo3	1	4.00

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38059	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32955	Sample Preparation:	2007-06-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**106**	mg/L as CaCo3	1	4.00
Total Alkalinity		**106**	mg/L as CaCo3	1	4.00

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38059	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32955	Sample Preparation:	2007-06-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00

continued . . .

sample 126999 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**104**	mg/L as CaCo3	1	4.00
Total Alkalinity		**104**	mg/L as CaCo3	1	4.00

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38246	Date Analyzed:	2007-06-18	Analyzed By:	JS
Prep Batch:	33109	Sample Preparation:	2007-06-18	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**86.0**	mg/L as CaCo3	1	4.00

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38246	Date Analyzed:	2007-06-18	Analyzed By:	JS
Prep Batch:	33109	Sample Preparation:	2007-06-18	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**124**	mg/L as CaCo3	1	4.00
Total Alkalinity		**124**	mg/L as CaCo3	1	4.00

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38324	Date Analyzed:	2007-06-19	Analyzed By:	JG
Prep Batch:	33180	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**84.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**84.0**	mg/L as CaCo3	1	4.00

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38324	Date Analyzed:	2007-06-19	Analyzed By:	JG
Prep Batch:	33180	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**118**		mg/L as CaCo3	1	4.00
Total Alkalinity		**118**		mg/L as CaCo3	1	4.00

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38324	Date Analyzed:	2007-06-19	Analyzed By:	JG
Prep Batch:	33180	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38324	Date Analyzed:	2007-06-19	Analyzed By:	JG
Prep Batch:	33180	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**90.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**90.0**		mg/L as CaCo3	1	4.00

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**96.0**		mg/L as CaCo3	1	4.00

continued ...

sample 127796 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**96.0**		mg/L as CaCo3	1	4.00

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**148**		mg/L as CaCo3	1	4.00
Total Alkalinity		**148**		mg/L as CaCo3	1	4.00

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**68.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**68.0**		mg/L as CaCo3	1	4.00

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**114**		mg/L as CaCo3	1	4.00
Total Alkalinity		**114**		mg/L as CaCo3	1	4.00

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**58.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**58.0**		mg/L as CaCo3	1	4.00

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**		mg/L as CaCo3	1	4.00

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38456	Date Analyzed:	2007-06-21	Analyzed By:	JG
Prep Batch:	33279	Sample Preparation:	2007-06-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

continued ...

sample 128012 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**76.0**		mg/L as CaCo3	1	4.00

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38852	Date Analyzed:	2007-07-05	Analyzed By:	JG
Prep Batch:	33626	Sample Preparation:	2007-07-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38852	Date Analyzed:	2007-07-05	Analyzed By:	JG
Prep Batch:	33626	Sample Preparation:	2007-07-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**		mg/L as CaCo3	1	4.00

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38852	Date Analyzed:	2007-07-05	Analyzed By:	JG
Prep Batch:	33626	Sample Preparation:	2007-07-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**		mg/L as CaCo3	1	4.00

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38852	Date Analyzed:	2007-07-05	Analyzed By:	JG
Prep Batch:	33626	Sample Preparation:	2007-07-05	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**	mg/L as CaCo3	1	4.00

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38852	Date Analyzed:	2007-07-05	Analyzed By:	JG
Prep Batch:	33626	Sample Preparation:	2007-07-05	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**	mg/L as CaCo3	1	4.00

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	38852	Date Analyzed:	2007-07-05	Analyzed By:	JG
Prep Batch:	33626	Sample Preparation:	2007-07-05	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**78.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**78.0**	mg/L as CaCo3	1	4.00

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39333	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34050	Sample Preparation:	2007-07-23	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**74.0**	mg/L as CaCo3	1	4.00

continued ...

sample 129834 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Alkalinity		**74.0**		mg/L as CaCo3	1	4.00

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39333	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34050	Sample Preparation:	2007-07-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**46.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**46.0**		mg/L as CaCo3	1	4.00

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39333	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34050	Sample Preparation:	2007-07-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**86.0**		mg/L as CaCo3	1	4.00

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39333	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34050	Sample Preparation:	2007-07-23	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**86.0**		mg/L as CaCo3	1	4.00

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39737	Date Analyzed:	2007-08-03	Analyzed By:	JG
Prep Batch:	34393	Sample Preparation:	2007-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	1	5.00
Total Alkalinity		<5.00	mg/L as CaCo3	1	5.00

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39737	Date Analyzed:	2007-08-03	Analyzed By:	JG
Prep Batch:	34393	Sample Preparation:	2007-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**	mg/L as CaCo3	1	5.00
Total Alkalinity		**80.0**	mg/L as CaCo3	1	5.00

Method Blank (1) QC Batch: 38059

QC Batch:	38059	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32955	QC Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 38246

QC Batch:	38246	Date Analyzed:	2007-06-18	Analyzed By:	JS
Prep Batch:	33109	QC Preparation:	2007-06-18	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 38324

QC Batch: 38324 Date Analyzed: 2007-06-19 Analyzed By: JG
Prep Batch: 33180 QC Preparation: 2007-06-19 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 38456

QC Batch: 38456 Date Analyzed: 2007-06-21 Analyzed By: JG
Prep Batch: 33279 QC Preparation: 2007-06-21 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 38852

QC Batch: 38852 Date Analyzed: 2007-07-05 Analyzed By: JG
Prep Batch: 33626 QC Preparation: 2007-07-05 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 39333

QC Batch: 39333 Date Analyzed: 2007-07-23 Analyzed By: JG
Prep Batch: 34050 QC Preparation: 2007-07-23 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<3.36	mg/L as CaCo3	4

Method Blank (1) QC Batch: 39737

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG
Prep Batch: 34393 QC Preparation: 2007-08-03 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Duplicates (1)

QC Batch: 38059 Date Analyzed: 2007-06-11 Analyzed By: JG
Prep Batch: 32955 QC Preparation: 2007-06-11 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	102	104	mg/L as CaCo3	1	2	6.3
Total Alkalinity	102	104	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 38246 Date Analyzed: 2007-06-18 Analyzed By: JS
Prep Batch: 33109 QC Preparation: 2007-06-18 Prepared By: JS

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	126	124	mg/L as CaCo3	1	2	20
Total Alkalinity	126	124	mg/L as CaCo3	1	2	20

Duplicates (1)

QC Batch: 38324 Date Analyzed: 2007-06-19 Analyzed By: JG
Prep Batch: 33180 QC Preparation: 2007-06-19 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	90.0	90.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	90.0	90.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 38456 Date Analyzed: 2007-06-21 Analyzed By: JG
Prep Batch: 33279 QC Preparation: 2007-06-21 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	114	114	mg/L as CaCo3	1	0	6.3
Total Alkalinity	114	114	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 38852 Date Analyzed: 2007-07-05 Analyzed By: JG
Prep Batch: 33626 QC Preparation: 2007-07-05 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	72.0	72.0	mg/L as CaCo3	1	0	6.3
Total Alkalinity	72.0	72.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 39333 Date Analyzed: 2007-07-23 Analyzed By: JG
Prep Batch: 34050 QC Preparation: 2007-07-23 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	90.0	86.0	mg/L as CaCo3	1	4	6.3
Total Alkalinity	90.0	86.0	mg/L as CaCo3	1	4	6.3

Duplicates (1)

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG
Prep Batch: 34393 QC Preparation: 2007-08-03 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	82.0	80.0	mg/L as CaCo3	1	2	6.3
Total Alkalinity	82.0	80.0	mg/L as CaCo3	1	2	6.3

Standard (ICV-1)

QC Batch: 38059 Date Analyzed: 2007-06-11 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-06-11
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-06-11
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	<4.00		0 - 105	2007-06-11
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-06-11

Standard (CCV-1)

QC Batch: 38059 Date Analyzed: 2007-06-11 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-06-11
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-06-11
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	4.00		0 - 105	2007-06-11
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 105	2007-06-11

Standard (ICV-1)

QC Batch: 38246 Date Analyzed: 2007-06-18 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2007-06-18

Standard (CCV-1)

QC Batch: 38246 Date Analyzed: 2007-06-18 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2007-06-18

Standard (ICV-1)

QC Batch: 38324 Date Analyzed: 2007-06-19 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-06-19
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-06-19
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-06-19
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-06-19

Standard (CCV-1)

QC Batch: 38324 Date Analyzed: 2007-06-19 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-06-19
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-06-19
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-06-19
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-06-19

Standard (ICV-1)

QC Batch: 38456 Date Analyzed: 2007-06-21 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-06-21
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-06-21
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-06-21
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-06-21

Standard (CCV-1)

QC Batch: 38456 Date Analyzed: 2007-06-21 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-06-21
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-06-21
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-06-21
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 105	2007-06-21

Standard (ICV-1)

QC Batch: 38852 Date Analyzed: 2007-07-05 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-07-05
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-07-05
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-07-05
Total Alkalinity		mg/L as CaCo3	250	242	97	93.7 - 105	2007-07-05

Standard (CCV-1)

QC Batch: 38852 Date Analyzed: 2007-07-05 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-07-05
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-07-05
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	12.0		0 - 105	2007-07-05
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 105	2007-07-05

Standard (ICV-1)

QC Batch: 39333 Date Analyzed: 2007-07-23 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-07-23
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-07-23
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-07-23
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-07-23

Standard (CCV-1)

QC Batch: 39333 Date Analyzed: 2007-07-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-07-23
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-07-23
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-07-23
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-07-23

Standard (ICV-1)

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-03
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-08-03
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-08-03
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-08-03

Standard (CCV-1)

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-03
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-08-03
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-08-03
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-08-03

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Amenable Cyanide	SM 4500-CN G

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.193**	mg/L	1	0.0100

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.246**	mg/L	1	0.0100

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.220**	mg/L	1	0.0100

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.449**	mg/L	1	0.0100

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.443**	mg/L	1	0.0100

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0207**	mg/L	1	0.0100

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.137**	mg/L	1	0.0100

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0186**	mg/L	1	0.0100

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	Sample Preparation:	2007-06-17	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38481	Date Analyzed:	2007-06-21	Analyzed By:	JS
Prep Batch:	33302	Sample Preparation:	2007-06-21	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0856**	mg/L	1	0.0100

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38481	Date Analyzed:	2007-06-21	Analyzed By:	JS
Prep Batch:	33302	Sample Preparation:	2007-06-21	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0908**	mg/L	1	0.0100

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38481	Date Analyzed:	2007-06-21	Analyzed By:	JS
Prep Batch:	33302	Sample Preparation:	2007-06-21	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.301**	mg/L	1	0.0100

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38481	Date Analyzed:	2007-06-21	Analyzed By:	JS
Prep Batch:	33302	Sample Preparation:	2007-06-21	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0435**	mg/L	1	0.0100

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38681	Date Analyzed:	2007-06-29	Analyzed By:	JS
Prep Batch:	33480	Sample Preparation:	2007-06-29	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38681	Date Analyzed:	2007-06-29	Analyzed By:	JS
Prep Batch:	33480	Sample Preparation:	2007-06-29	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38681	Date Analyzed:	2007-06-29	Analyzed By:	JS
Prep Batch:	33480	Sample Preparation:	2007-06-29	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0499**	mg/L	1	0.0100

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38681	Date Analyzed:	2007-06-29	Analyzed By:	JS
Prep Batch:	33480	Sample Preparation:	2007-06-29	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0876**	mg/L	1	0.0100

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38923	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33690	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38923	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33690	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0492**	mg/L	1	0.0100

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38923	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33690	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0632**	mg/L	1	0.0100

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38923	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33690	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		**0.0898**	mg/L	1	0.0100

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38978	Date Analyzed:	2007-07-10	Analyzed By:	JS
Prep Batch:	33736	Sample Preparation:	2007-07-10	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	38978	Date Analyzed:	2007-07-10	Analyzed By:	JS
Prep Batch:	33736	Sample Preparation:	2007-07-10	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	39365	Date Analyzed:	2007-07-24	Analyzed By:	MM
Prep Batch:	34074	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	39365	Date Analyzed:	2007-07-24	Analyzed By:	MM
Prep Batch:	34074	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	39365	Date Analyzed:	2007-07-24	Analyzed By:	MM
Prep Batch:	34074	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	39520	Date Analyzed:	2007-07-30	Analyzed By:	MM
Prep Batch:	34212	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	39520	Date Analyzed:	2007-07-30	Analyzed By:	MM
Prep Batch:	34212	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Amenable Cyanide	Analytical Method:	SM 4500-CN G	Prep Method:	N/A
QC Batch:	39520	Date Analyzed:	2007-07-30	Analyzed By:	MM
Prep Batch:	34212	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Amenable Cyanide		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 38301

QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	QC Preparation:	2007-06-17	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38481

QC Batch:	38481	Date Analyzed:	2007-06-21	Analyzed By:	JS
Prep Batch:	33302	QC Preparation:	2007-06-21	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38681

QC Batch:	38681	Date Analyzed:	2007-06-29	Analyzed By:	JS
Prep Batch:	33480	QC Preparation:	2007-06-29	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38923

QC Batch:	38923	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33690	QC Preparation:	2007-07-06	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38978

QC Batch:	38978	Date Analyzed:	2007-07-10	Analyzed By:	JS
Prep Batch:	33736	QC Preparation:	2007-07-10	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 39365

QC Batch:	39365	Date Analyzed:	2007-07-24	Analyzed By:	MM
Prep Batch:	34074	QC Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 39520

QC Batch:	39520	Date Analyzed:	2007-07-30	Analyzed By:	MM
Prep Batch:	34212	QC Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Amenable Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	38301	Date Analyzed:	2007-06-17	Analyzed By:	WB
Prep Batch:	33159	QC Preparation:	2007-06-17	Prepared By:	WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.115	mg/L	1	0.120	<0.000829	96	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.116	mg/L	1	0.120	<0.000829	97	65.5 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	38481	Date Analyzed:	2007-06-21	Analyzed By:	JS
Prep Batch:	33302	QC Preparation:	2007-06-21	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.122	mg/L	1	0.120	<0.000829	102	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.123	mg/L	1	0.120	<0.000829	102	65.5 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38681 Date Analyzed: 2007-06-29 Analyzed By: JS
Prep Batch: 33480 QC Preparation: 2007-06-29 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.0793	mg/L	1	0.120	<0.000829	66	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.0793	mg/L	1	0.120	<0.000829	66	65.5 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38923 Date Analyzed: 2007-07-06 Analyzed By: MM
Prep Batch: 33690 QC Preparation: 2007-07-06 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.0850	mg/L	1	0.120	<0.000829	71	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.101	mg/L	1	0.120	<0.000829	84	65.5 - 111	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38978 Date Analyzed: 2007-07-10 Analyzed By: JS
Prep Batch: 33736 QC Preparation: 2007-07-10 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.104	mg/L	1	0.120	<0.000829	87	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.104	mg/L	1	0.120	<0.000829	87	65.5 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39365 Date Analyzed: 2007-07-24 Analyzed By: MM
Prep Batch: 34074 QC Preparation: 2007-07-24 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.111	mg/L	1	0.120	<0.000829	92	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.123	mg/L	1	0.120	<0.000829	102	65.5 - 111	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39520 Date Analyzed: 2007-07-30 Analyzed By: MM
Prep Batch: 34212 QC Preparation: 2007-07-30 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Amenable Cyanide	0.116	mg/L	1	0.120	<0.000829	97	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Amenable Cyanide	0.133	mg/L	1	0.120	<0.000829	111	65.5 - 111	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38301 Date Analyzed: 2007-06-17 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.118	98	85 - 115	2007-06-17

Standard (CCV-1)

QC Batch: 38301 Date Analyzed: 2007-06-17 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.118	98	85 - 115	2007-06-17

Standard (ICV-1)

QC Batch: 38481 Date Analyzed: 2007-06-21 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.118	98	85 - 115	2007-06-21

Standard (CCV-1)

QC Batch: 38481 Date Analyzed: 2007-06-21 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.131	109	85 - 115	2007-06-21

Standard (ICV-1)

QC Batch: 38681 Date Analyzed: 2007-06-29 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.110	92	85 - 115	2007-06-29

Standard (CCV-1)

QC Batch: 38681 Date Analyzed: 2007-06-29 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-06-29

Standard (ICV-1)

QC Batch: 38923 Date Analyzed: 2007-07-06 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-07-06

Standard (CCV-1)

QC Batch: 38923 Date Analyzed: 2007-07-06 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.108	90	85 - 115	2007-07-06

Standard (ICV-1)

QC Batch: 38978 Date Analyzed: 2007-07-10 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.109	91	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 38978 Date Analyzed: 2007-07-10 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.105	88	85 - 115	2007-07-10

Standard (ICV-1)

QC Batch: 39365 Date Analyzed: 2007-07-24 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.121	101	85 - 115	2007-07-24

Standard (CCV-1)

QC Batch: 39365 Date Analyzed: 2007-07-24 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.116	97	85 - 115	2007-07-24

Standard (ICV-1)

QC Batch: 39520 Date Analyzed: 2007-07-30 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-07-30

Standard (CCV-1)

QC Batch: 39520 Date Analyzed: 2007-07-30 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Amenable Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-07-30

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Nitrate and Nitrite as N	E 353.3

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**3.84**		mg/L	25	0.100

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**6.10**		mg/L	25	0.100

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**7.76**		mg/L	25	0.100

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**5.53**		mg/L	25	0.100

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**8.06**	mg/L	25	0.100

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**10.3**	mg/L	50	0.100

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.23**	mg/L	10	0.100

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**10.7**	mg/L	50	0.100

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.56**	mg/L	25	0.100

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.98**	mg/L	10	0.100

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**9.00**	mg/L	50	0.100

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**5.29**	mg/L	25	0.100

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**6.53**	mg/L	25	0.100

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**5.09**	mg/L	25	0.100

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.36**	mg/L	10	0.100

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**9.92**	mg/L	50	0.100

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.43**	mg/L	25	0.100

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**7.26**	mg/L	25	0.100

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.24**	mg/L	10	0.100

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**8.28**	mg/L	50	0.100

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**9.66**	mg/L	50	0.100

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**6.24**	mg/L	25	0.100

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39006	Date Analyzed:	2007-07-11	Analyzed By:	ER
Prep Batch:	33763	Sample Preparation:	2007-07-11	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.10**	mg/L	5	0.100

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39006	Date Analyzed:	2007-07-11	Analyzed By:	ER
Prep Batch:	33763	Sample Preparation:	2007-07-11	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**0.956**	mg/L	5	0.100

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.03**	mg/L	10	0.100

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**0.650**	mg/L	2	0.100

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.40**	mg/L	5	0.100

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.60**	mg/L	25	0.100

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39612	Date Analyzed:	2007-07-31	Analyzed By:	ER
Prep Batch:	34252	Sample Preparation:	2007-07-31	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<0.100	mg/L	1	0.100

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39612	Date Analyzed:	2007-07-31	Analyzed By:	ER
Prep Batch:	34252	Sample Preparation:	2007-07-31	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.86**	mg/L	10	0.100

Method Blank (1) QC Batch: 38403

QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	QC Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 38799

QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	QC Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 38800

QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	QC Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 39006

QC Batch:	39006	Date Analyzed:	2007-07-11	Analyzed By:	ER
Prep Batch:	33763	QC Preparation:	2007-07-11	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 39384

QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	QC Preparation:	2007-07-24	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 39612

QC Batch:	39612	Date Analyzed:	2007-07-31	Analyzed By:	ER
Prep Batch:	34252	QC Preparation:	2007-07-31	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Laboratory Control Spike (LCS-1)

QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	QC Preparation:	2007-06-19	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.139	mg/L	1	0.160	<0.0223	87	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.149	mg/L	1	0.160	<0.0223	93	77 - 122	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	QC Preparation:	2007-07-03	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.172	mg/L	1	0.160	<0.0223	108	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.168	mg/L	1	0.160	<0.0223	105	77 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38800 | Date Analyzed: 2007-07-03 | Analyzed By: JS
Prep Batch: 33579 | QC Preparation: 2007-07-03 | Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.171	mg/L	1	0.160	<0.0223	107	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.171	mg/L	1	0.160	<0.0223	107	77 - 122	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39006 | Date Analyzed: 2007-07-11 | Analyzed By: ER
Prep Batch: 33763 | QC Preparation: 2007-07-11 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.164	mg/L	1	0.160	<0.0223	102	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.160	mg/L	1	0.160	<0.0223	100	77 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39384 | Date Analyzed: 2007-07-24 | Analyzed By: ER
Prep Batch: 34094 | QC Preparation: 2007-07-24 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.173	mg/L	1	0.160	<0.0223	108	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.168	mg/L	1	0.160	<0.0223	105	77 - 122	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39612 | Date Analyzed: 2007-07-31 | Analyzed By: ER
Prep Batch: 34252 | QC Preparation: 2007-07-31 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.169	mg/L	1	0.160	<0.0223	106	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.175	mg/L	1	0.160	<0.0223	109	77 - 122	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127273

QC Batch: 38403 Date Analyzed: 2007-06-19 Analyzed By: JS
Prep Batch: 33239 QC Preparation: 2007-06-19 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[1]	7.04	mg/L	100	16.0	13.2	-38	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[2]	5.71	mg/L	100	16.0	13.2	-45	10 - 208	21	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch: 38799 Date Analyzed: 2007-07-03 Analyzed By: JS
Prep Batch: 33578 QC Preparation: 2007-07-03 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[3]	5.39	mg/L	25	4.00	5.29	2	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	5.98	mg/L	25	4.00	5.29	17	10 - 208	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128857

QC Batch: 38800 Date Analyzed: 2007-07-03 Analyzed By: JS
Prep Batch: 33579 QC Preparation: 2007-07-03 Prepared By: JS

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[4]	8.15	mg/L	50	8.00	7.49	8	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[5]	7.95	mg/L	50	8.00	7.49	6	10 - 208	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129155

QC Batch: 39006 Date Analyzed: 2007-07-11 Analyzed By: ER
Prep Batch: 33763 QC Preparation: 2007-07-11 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	1.15	mg/L	5	0.800	0.956	24	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	1.15	mg/L	5	0.800	0.956	24	10 - 208	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39384 Date Analyzed: 2007-07-24 Analyzed By: ER
Prep Batch: 34094 QC Preparation: 2007-07-24 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	1.56	mg/L	5	0.800	1.4	20	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	1.52	mg/L	5	0.800	1.4	15	10 - 208	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130860

QC Batch: 39612 Date Analyzed: 2007-07-31 Analyzed By: ER
Prep Batch: 34252 QC Preparation: 2007-07-31 Prepared By: ER

[4] Matrix spike recovery out of control limits due to spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[5] Matrix spike recovery out of control limits due to spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[6]	1.95	mg/L	10	1.60	1.86	6	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[7]	1.83	mg/L	10	1.60	1.86	0	10 - 208	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38403 Date Analyzed: 2007-06-19 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.138	86	85 - 115	2007-06-19

Standard (CCV-1)

QC Batch: 38403 Date Analyzed: 2007-06-19 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.149	93	85 - 115	2007-06-19

Standard (ICV-1)

QC Batch: 38799 Date Analyzed: 2007-07-03 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.172	108	85 - 115	2007-07-03

Standard (CCV-1)

QC Batch: 38799 Date Analyzed: 2007-07-03 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.167	104	85 - 115	2007-07-03

Standard (ICV-1)

QC Batch: 38800 Date Analyzed: 2007-07-03 Analyzed By: JS

[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.167	104	85 - 115	2007-07-03

Standard (CCV-1)

QC Batch: 38800 Date Analyzed: 2007-07-03 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.171	107	85 - 115	2007-07-03

Standard (ICV-1)

QC Batch: 39006 Date Analyzed: 2007-07-11 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.175	109	85 - 115	2007-07-11

Standard (CCV-1)

QC Batch: 39006 Date Analyzed: 2007-07-11 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.166	104	85 - 115	2007-07-11

Standard (ICV-1)

QC Batch: 39384 Date Analyzed: 2007-07-24 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.168	105	85 - 115	2007-07-24

Standard (CCV-1)

QC Batch: 39384 Date Analyzed: 2007-07-24 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.157	98	85 - 115	2007-07-24

Standard (ICV-1)

QC Batch: 39612 Date Analyzed: 2007-07-31 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.173	108	85 - 115	2007-07-31

Standard (CCV-1)

QC Batch: 39612 Date Analyzed: 2007-07-31 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.161	101	85 - 115	2007-07-31

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
						ANALYSIS REQUESTED										
6/6/07	1350	MNPL-MPL-MPL-001-0607	WATER	126993	9	X	X	X	X	X	X	X	X			
6/6/07	1350	MNPL-MPL-TB-07-853	WATER	994	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Cudmore	(PRINTED NAME) Vicki Herbst
SHIPPING ID NO.: UPS AS56740 2027	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Pace Analytical
VIA: LAB COURIOR 4°	GOOD CONDITION/CHILLED 4°C	(TIME/DATE) 3:45 6-7-07	(TIME/DATE) 1655 6-7-07	(TIME/DATE) 10:00 6-8-07
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS ns		

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854

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/7/07	1015	MNPL-MPL-MPL-002-0607	WATER	12995	9	X	X	X	X	X	X	X	X			
6/7/07	1015	MNPL-MPL-TB-07-854	WATER	996	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Vicki Hensley
SHIPPING ID NO.: UPS A5546 740 2027	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: LAB COURIOR 4°	GOOD CONDITION/COLD/HILLED	4°C	(TIME/DATE) 3:45 6-7-07	(TIME/DATE) 1655 6-7-07	(TIME/DATE) 10:00 6-8-07
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS nd		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/7/07	1331	MNPL-MPL-MPL-003-0607	WATER	126997	9	X	X	X	X	X	X	X	X			
6/7/07	1331	MNPL-MPL-TB-07-855	WATER	998	2	X										1 vial broken

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Vicki Hensley
SHIPPING ID NO.: UPS A554 740 2037	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): T Rex Analysis
MA: LAB COURIER 4C	GOOD CONDITION/ CHILLED	4C	(TIME/ DATE): 3:45 6-7-07	(TIME/ DATE): 1655 6-7-07	(TIME/ DATE): 10:00 6-8-07
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS ns		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/7/07	1331	MNPL-MPL-MPL-103-0607	WATER	126999	9	X	X	X	X	X	X	X	X			
6/7/07	1331	MNPL-MPL-TB-07-856	WATER	126700	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Vicki Hensley
SHIPPING ID NO.: UPS AS56 740 2027	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TRC Analysis
VIA: LAB COURIOR 40	GOOD CONDITION/COLD	4°C	(TIME/DATE): 5:45 6-7-07	(TIME/DATE): 1655 6-7-07	(TIME/DATE): 10:00 6-8-07
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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879

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/11/07	1435	MNPL-MPL-MPL-028-0607	WATER	127192	9	X	X	X	X	X	X	X	X			
6/11/07	1435	MNPL-MPL-TB-07-879	WATER	193	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mata
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 4:00 6-11-07	(TIME/DATE) 1705 6-11-07	(TIME/DATE) 930 061307
VIA: LAB COURIOR	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/11/07	1021	MNPL-MPL-MPL-004-0607	WATER	127194	9	X	X	X	X	X	X	X	X			
6/11/07	1021	MNPL-MPL-TB-07-857	WATER	195	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY/LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Multon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	YES	(TIME/DATE) 4:00 6-11-07	(TIME/DATE) 1705 6-11-07	(TIME/DATE) 0930 061307
VIA: LAB COURIOR	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/11/07	1021	MNPL-MPL-MPL-004-0607-ms/msd	WATER	127194	9	X	X	X	X	X	X	X	X			
6/11/07	1021	MNPL-MPL-TB-07-858	WATER	195	2	X										

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Janus Gutierrez	(PRINTED NAME) Sabrina Mulk
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TMC
	GOOD CONDITION/CHILLED	YC	(TIME/DATE) 4:00 6-11-07	(TIME/DATE) 1705 6-11-07	(TIME/DATE) 930 61307
VIA: LAB COURIOR	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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860

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
				127500												
6/12/07	1530	MNPL-MPL-MPL-006-0607	WATER		9	X	X	X	X	X	X	X	X			
				501												
6/12/07	1530	MNPL-MPL-TB-07-860	WATER		2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mullins
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/CHILLED	4°	(TIME/ DATE): 4:20 6-13-07	(TIME/ DATE): 1730 6-13-07	(TIME/ DATE): 1020 061507
VIA: LAB COURIOR	CONFORMS TO RECORD	RR	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS

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7061502

861

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/13/07	1520	MNPL-MPL-MPL-007-0607	WATER	127502	9	X	X	X	X	X	X	X	X			
6/13/07	1520	MNPL-MPL-TB-07-861	WATER	503	2	X										

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY/LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): James Robinson	(PRINTED NAME): Sabrina Martinez
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TMC
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:20 6-13-07	(TIME/DATE): 1730 6-13-07	(TIME/DATE): 1080 061507
VIA: LAB COURIOR	CONFORMS TO RECORD	BB	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS

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7061503

866

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
				127504												
6/13/07	1345	MNPL-MPL-MPL-017-0607	WATER	~~127054~~	9	X	X	X	X	X	X	X	X			
6/13/07	1345	MNPL-MPL-TB-07-866	WATER	505	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Walter
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Tare
	GOOD CONDITION/COLD	Yes	(TIME/DATE) 4:20 6-13-07	(TIME/DATE) 1730 6-13-07	(TIME/DATE) 061507 1020
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esquerda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/12/07	1351	MNPL-MPL-MPL-018-0607	WATER	127506	9	X	X	X	X	X	X	X	X			
6/12/07	1351	MNPL-MPL-TB-07-867	WATER	507	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabri Malik
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/ CHILLED	4°	(TIME/ DATE): 4:20 6-13-07	(TIME/ DATE): 1730 6-13-07	(TIME/ DATE): 1020 061507
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/14/07	GE															
6/14/07	1000	MNPL-MPL-MPL-030-0607	WATER	127796	9	X	X	X	X	X	X	X	X			
6/14/07	GE															
6/14/07	1000	MNPL-MPL-TB-07-881	WATER	797	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) K Rigdon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Gutierrez	(COMPANY) Trace
	GOOD CONDITION/C HILLED	4°c	(TIME/ DATE) 4:15 6-14-07	(TIME/ DATE) 1725 6-14-07	(TIME/ DATE) 6/16/07 1145
VIA: LAB COURIOR	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS LONESTAR 3875800		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/14/07	1402	MNPL-MPL-MPL-016-0607	WATER	127798	9	X	X	X	X	X	X	X	X			
6/14/07	1402	MNPL-MPL-TB-07-864	WATER	799	2	X										

ANALYSIS REQUESTED

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) R Rigdon
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: LAB COURIOR	CHAIN OF CUSTODY SEALS		(TIME/ DATE) 4:15 6-14-07	(TIME/ DATE) 1725 6-14-07	(TIME/ DATE) 6/15/07 1145
	GOOD CONDITION/C HILLED	4°C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS Lonestar 3875800		
	CONFORMS TO RECORD	NA			

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/14/07	1402	MNPL-MPL-MPL-016-0607-ms/msd	WATER	127798	9	X	X	X	X	X	X	X	X			
6/14/07	1402	MNPL-MPL-TB-07-865	WATER	799	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) R Rigdon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Ridley	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 4:15 6-14-07	(TIME/DATE) 1725 6-14-07	(TIME/DATE) 6/16/07 1145
VIA: LAB COURIOR	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/15/07	0955	MNPL-MPL-MPL-029-0607	WATER	127800	9	X	X	X	X	X	X	X	X			
6/15/07	0955	MNPL-MPL-TB-07-880	WATER	801	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): R Rigdon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: LAB COURIOR	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 2:20 6/15/07	(TIME/DATE): 15:25 6-15-07	(TIME/DATE): 6/16/07 1145
	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS LONESTAR 3875800		

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863

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/15/07	1315	MNPL-MPL-MPL-013-0607	WATER	127802	9	X	X	X	X	X	X	X	X			
6/15/07	1315	MNPL-MPL-TB-07-863	WATER	803	2	X										

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED	George Esqueda		
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME): James Gutierrez	(PRINTED NAME): K Rigdon
	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/CHILLED: 4°c	(TIME/DATE): 2:20 6/15/07	(TIME/DATE): 15:25 6-15-07	(TIME/DATE): 6/16/07 1145
VIA: LAB COURIOR	CONFORMS TO RECORD: NA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LONESTAR 3875800

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882

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/19/07	1338	MNPL-MPL-T-040-0607	WATER	128006	9	X	X	X	X	X	X	X	X			
6/19/07	1338	MNPL-MPL-TB-07-882	WATER	007	2	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Brenda Waid
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WAID
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/C HILLED	4°C	(TIME/DATE) 4:10 6-19-07	(TIME/DATE) 17:30 6-19 07	(TIME/DATE) 6/21/07 9:11
VIA: LAB COURIOR	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		Lone Star 3875196

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/19/07	1005	MNPL-MPL-MPL-026-0607	WATER	128008	9	X	X	X	X	X	X	X	X			
6/19/07	1005	MNPL-MPL-TB-07-878	WATER	009	2	X										

ANALYSIS REQUESTED

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE) BRENDA WARD
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/COLD	4C	(TIME/DATE) 4:10 6/19/07	(TIME/DATE) 6-19-07 12:30	(TIME/DATE) 6/21/07 9:16
VIA: LAB COURIOR	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LoneStar 3875179C

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862

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/18/07	1045	MNPL-MPL-MPL-010-0607	WATER	128010	9	X	X	X	X	X	X	X	X			
6/18/07	1045	MNPL-MPL-TB-07-862	WATER	011	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Goldstrap	(PRINTED NAME): Brenda WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:10 6-19-07	(TIME/DATE): 17:30 6-19-07	(TIME/DATE): 6/21/07 9:30
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS Lone Star 3875196		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/18/07	1502	MNPL-MPL-MPL-005-0607	WATER	128012	9	X	X	X	X	X	X	X	X			
6/18/07	1502	MNPL-MPL-TB-07-959	WATER	013	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 4:10 6-19-07	(TIME/DATE) 17:30 6-19-07	(TIME/DATE) 6/21/07 9:40
VIA: LAB COURIOR	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS LonStar 7062/10 4		

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868

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/25/07	1024	MNPL-MPL-MPL-019-0607	WATER	128696	9	X	X	X	X	X	X	X	X			
6/25/07	1024	MNPL-MPL-TB-07-868	WATER	697	2	X										#1 TB Damaged

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): James Gardner	(PRINTED NAME): BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:20 6/26/07	(TIME/DATE): 17:20 6-26	(TIME/DATE): 6/28/07 8:40
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		Lone Star 3875/793

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/26/07	1030	MNPL-MPL-MPL-020-0607	WATER	128957	9	X	X	X	X	X	X	X	X			
6/26/07	1030	MNPL-MPL-TB-07-869	WATER	958	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Emily Reeve
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: LAB COURIOR	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 4:10 6-28-07	(TIME/DATE) 1720 6-28-07	(TIME/DATE) 10:00 6-30-07 4°
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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870

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/26/07	1030	MNPL-MPL-MPL-120-0607	WATER	128959	9	X	X	X	X	X	X	X	X			
6/26/07	1030	MNPL-MPL-TB-07-870	WATER	960	2	X										

PROJECT INFORMATION		SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER	William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Jami Gutierrez	(PRINTED NAME) Emily Reeve
SHIPPING ID NO.		CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
		GOOD CONDITION/COLD	4°	(TIME/DATE) 7:10 6/28/07	(TIME/DATE) 1720 6-28-07	(TIME/DATE) 0100 6-30-07
VIA:	LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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876

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
6/28/07 GE 29	1035	MNPL-MPL-MPL-024-0607	WATER	128961	9	X	X	X	X	X	X	X	X			
6/28/07 GE 29	1035	MNPL-MPL-TB-07-876	WATER	962	2	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Emily Reeve
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Emily Reeve 4°
	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TraceAnalysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 1250 6-29-07	(TIME/DATE) 1425 6-29-07	(TIME/DATE) 10:00 6-30-07
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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874

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
7-3-07	1420	MNPL-MPL-MPL-023-0707 ~~0607~~ ne	WATER	129153	9	X	X	X	X	X	X	X	X			
7-3-07	1420	MNPL-MPL-TB-07-874	WATER	154	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Traceanalysis
	GOOD CONDITION/ CHILLED	4°C	(TIME/ DATE) 1420 7-3-07	(TIME/ DATE) 7-3-07 1223	(TIME/ DATE) 7/6/07 9:41
VIA: LAB COURIOR	CONFORMS TO RECORD	BR	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		Lone Star 38751766

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129155-56

7070605

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875

CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
7-3-07	1420	MNPL-MPL-MPL-123-0707 ~~0607~~ SE	WATER	129155	9	X	X	X	X	X	X	X	X			
7-3-07	1420	MNPL-MPL-TB-07-875	WATER	156	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Cabrera	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACANALYSIS
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1420 7-3-07	(TIME/DATE) 1723 7-3-07	(TIME/DATE) 7/6/07 9:45
VIA: LAB COURIOR	CONFORMS TO RECORD	BP	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS Lone Star 38751766		

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883

CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
7/10/07	1602	SGTP-6678-SMW-001-0707 GE	WATER	129834	9	X	X	X	X	X	X	X	X			
7/10/07	1602	SGTP-6678-TB-07-883	WATER	835	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 3:55 7/11/07	(TIME/DATE) 12:15 7-11-07	(TIME/DATE) 07307 900
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		40

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873

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
		0707														
7/13/07	1430	MNPL-MPL-MPL-022-0607 GE	WATER	129983	9	X	X	X	X	X	X	X	X			
7/13/07	1430	MNPL-MPL-TB-07-873	WATER	984	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Smajo E
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/COLD	(TIME/ DATE): 3:30 7-13-07	(TIME/ DATE): 1640 7-13-07	(TIME/ DATE): 10:00
VIA: LAB COURIOR	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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130344-45

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871

CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
		0707														
7/17/07	1440	MNPL-MPL-MPL-021-~~0607~~ GE	WATER	130344	9	X	X	X	X	X	X	X	X			
7/17/07	1440	MNPL-MPL-TB-07-871	WATER	345	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 4:25 7/17/07	(TIME/DATE) 1740 7-18-07	(TIME/DATE) 7/19/07
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS, 3875782

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
7/17/07	1440	MNPL-MPL-MPL-021-0707-ms/msd	WATER	130344	9	X	X	X	X	X	X	X	X			
7/17/07	1440	MNPL-MPL-TB-07-872	WATER	345	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TraceAnalysis
VIA: LAB COURIOR	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 4:25 7-17-07	(TIME/DATE) 1740 7-18-07	(TIME/DATE) 7/19/07 9:19
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS 3815182

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130461-62

7012009

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877

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions			REMARKS
7/18/07 19	1004	MNPL-MPL-MPL-025-0707 ~~0607~~ SE	WATER	130461	9	X	X	X	X	X	X	X	X			
7/18/07 19	1004	MNPL-MPL-TB-07-877	WATER	462	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Cartimer	(PRINTED NAME) Sabrina Multer
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 3:10 7/19/07	(TIME/DATE) 1620 7/19/07	(TIME/DATE) 0720 830
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS 387777

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130858-59

7072509

885

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions	NH3, Cyanide (TYP)	REMARKS
		0707													
7/24/07	1100	MNPL-MPL-RB-001-~~0607~~ GE	WATER	130858	9	X	X	X	X	X	X	X	X	•	
7/24/07	1100	MNPL-MPL-TB-07-885	WATER	859	2	X									
															DEIONIZED WATER (ASTM TYPE II)

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Inacianalysis
	GOOD CONDITION/CHILLED 4°C	(TIME/DATE) 2:30 7/24/07	(TIME/DATE) 1540 7/24/07	(TIME/DATE) 7/25/07 9:25
VIA: LAB COURIOR	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS. 3825/775

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130860-61

7072510

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
15	STP Percolation Ditches

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	Water Quality	T&A Cyanide	Nutrients	Total Mercury	Free Cyanide	Diss. Metals	Diss. Ions	NH3	REMARKS
7/23/07	1432	SGTP-6678-SMW-004-0707 DE	WATER	130860	9	X	X	X	X	X	X	X	X	•	
7/23/07	1432	SGTP-6678-TB-07-884	WATER	130861	2	X									

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME)	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 2130 7/24/07	(TIME/DATE) 1540 7-24-07	(TIME/DATE) 7/25/07 9:25
VIA: LAB COURIOR	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS, 3875775

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Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 60 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Dissolved	S 6010B
As, Dissolved	S 6010B
Ba, Dissolved	S 6010B
Be, Dissolved	S 6010B
Cd, Dissolved	S 6010B
Co, Dissolved	S 6010B
Cr, Dissolved	S 6010B
Cu, Dissolved	S 6010B
Ni, Dissolved	S 6010B
Pb, Dissolved	S 6010B

Test	Method
Sb, Dissolved	S 6010B
Se, Dissolved	S 6010B
Sn, Dissolved	S 6010B
Tl, Dissolved	S 6010B
V, Dissolved	S 6010B
Zn, Dissolved	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38045	Date Analyzed:	2007-06-11	Analyzed By:	RR
Prep Batch:	32938	Sample Preparation:	2007-06-11	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.105**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.00500**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		**0.00700**	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38045	Date Analyzed:	2007-06-11	Analyzed By:	RR
Prep Batch:	32938	Sample Preparation:	2007-06-11	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0690**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		**0.00500**	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		**0.0650**	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38045	Date Analyzed:	2007-06-11	Analyzed By:	RR
Prep Batch:	32938	Sample Preparation:	2007-06-11	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0490**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		**0.0740**	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38045	Date Analyzed:	2007-06-11	Analyzed By:	RR
Prep Batch:	32938	Sample Preparation:	2007-06-11	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0480**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		**0.00600**	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38183	Date Analyzed:	2007-06-15	Analyzed By:	RR
Prep Batch:	33043	Sample Preparation:	2007-06-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0860**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0100**	mg/L	1	0.0100

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38183	Date Analyzed:	2007-06-15	Analyzed By:	RR
Prep Batch:	33043	Sample Preparation:	2007-06-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0720**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0290**	mg/L	1	0.0100

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38320	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33078	Sample Preparation:	2007-06-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.117**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00800**	mg/L	1	0.00500
Dissolved Zinc		**0.0120**	mg/L	1	0.0100

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38320	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33078	Sample Preparation:	2007-06-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0550**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0100**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38320	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33078	Sample Preparation:	2007-06-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0690**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0100**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38320	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33078	Sample Preparation:	2007-06-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.133**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0130**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00700**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38353	Date Analyzed:	2007-06-20	Analyzed By:	RR
Prep Batch:	33177	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.113**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0100**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38353	Date Analyzed:	2007-06-20	Analyzed By:	RR
Prep Batch:	33177	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0630**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38353	Date Analyzed:	2007-06-20	Analyzed By:	RR
Prep Batch:	33177	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0540**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38353	Date Analyzed:	2007-06-20	Analyzed By:	RR
Prep Batch:	33177	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0910**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.00500**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38497	Date Analyzed:	2007-06-25	Analyzed By:	RR
Prep Batch:	33307	Sample Preparation:	2007-06-25	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.124**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		**0.0260**	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00800**	mg/L	1	0.00500
Dissolved Zinc		**0.0240**	mg/L	1	0.0100

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38497	Date Analyzed:	2007-06-25	Analyzed By:	RR
Prep Batch:	33307	Sample Preparation:	2007-06-25	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0590**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0420**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38497	Date Analyzed:	2007-06-25	Analyzed By:	RR
Prep Batch:	33307	Sample Preparation:	2007-06-25	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0960**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0330**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38497	Date Analyzed:	2007-06-25	Analyzed By:	RR
Prep Batch:	33307	Sample Preparation:	2007-06-25	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.105**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		**0.0320**	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00500**	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38760	Date Analyzed:	2007-07-04	Analyzed By:	RR
Prep Batch:	33486	Sample Preparation:	2007-07-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0790**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0230**	mg/L	1	0.0100

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38756	Date Analyzed:	2007-07-04	Analyzed By:	RR
Prep Batch:	33498	Sample Preparation:	2007-07-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0730**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0310**	mg/L	1	0.0100

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38756	Date Analyzed:	2007-07-04	Analyzed By:	RR
Prep Batch:	33498	Sample Preparation:	2007-07-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0730**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38756	Date Analyzed:	2007-07-04	Analyzed By:	RR
Prep Batch:	33498	Sample Preparation:	2007-07-02	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.106**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0660**	mg/L	1	0.0100

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38964	Date Analyzed:	2007-07-11	Analyzed By:	RR
Prep Batch:	33610	Sample Preparation:	2007-07-09	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0200**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00700**	mg/L	1	0.00500
Dissolved Zinc		**0.0100**	mg/L	1	0.0100

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	38964	Date Analyzed:	2007-07-11	Analyzed By:	RR
Prep Batch:	33610	Sample Preparation:	2007-07-09	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0200**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00600**	mg/L	1	0.00500
Dissolved Zinc		**0.0130**	mg/L	1	0.0100

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39111	Date Analyzed:	2007-07-16	Analyzed By:	RR
Prep Batch:	33843	Sample Preparation:	2007-07-16	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0670**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0300**	mg/L	1	0.0100

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39111	Date Analyzed:	2007-07-16	Analyzed By:	RR
Prep Batch:	33843	Sample Preparation:	2007-07-16	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0610**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39257	Date Analyzed:	2007-07-20	Analyzed By:	RR
Prep Batch:	33968	Sample Preparation:	2007-07-19	Prepared By:	KV

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0550**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39363	Date Analyzed:	2007-07-24	Analyzed By:	RR
Prep Batch:	34057	Sample Preparation:	2007-07-24	Prepared By:	KV

Parameter	Flag	Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0660**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		**0.00500**	mg/L	1	0.00500
Dissolved Zinc		**0.0230**	mg/L	1	0.0100

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39450	Date Analyzed:	2007-07-27	Analyzed By:	RR
Prep Batch:	34138	Sample Preparation:	2007-07-26	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		<0.0100	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0330**	mg/L	1	0.0100

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39450	Date Analyzed:	2007-07-27	Analyzed By:	RR
Prep Batch:	34138	Sample Preparation:	2007-07-26	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0730**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		**0.109**	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Antimony		<0.0500	mg/L	1	0.0500
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Thallium		<0.0500	mg/L	1	0.0500
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		**0.0150**	mg/L	1	0.0100

Method Blank (1) QC Batch: 38045

QC Batch:	38045	Date Analyzed:	2007-06-11	Analyzed By:	RR
Prep Batch:	32938	QC Preparation:	2007-06-11	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38183

QC Batch:	38183	Date Analyzed:	2007-06-15	Analyzed By:	RR
Prep Batch:	33043	QC Preparation:	2007-06-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38320

QC Batch:	38320	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33078	QC Preparation:	2007-06-15	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38353

QC Batch:	38353	Date Analyzed:	2007-06-20	Analyzed By:	RR
Prep Batch:	33177	QC Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38497

QC Batch:	38497	Date Analyzed:	2007-06-25	Analyzed By:	RR
Prep Batch:	33307	QC Preparation:	2007-06-25	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38756

QC Batch:	38756	Date Analyzed:	2007-07-04	Analyzed By:	RR
Prep Batch:	33498	QC Preparation:	2007-07-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38760

QC Batch:	38760	Date Analyzed:	2007-07-04	Analyzed By:	RR
Prep Batch:	33486	QC Preparation:	2007-07-02	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38964

QC Batch:	38964	Date Analyzed:	2007-07-11	Analyzed By:	RR
Prep Batch:	33610	QC Preparation:	2007-07-06	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 39111

QC Batch:	39111	Date Analyzed:	2007-07-16	Analyzed By:	RR
Prep Batch:	33843	QC Preparation:	2007-07-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 39257

QC Batch:	39257	Date Analyzed:	2007-07-20	Analyzed By:	RR
Prep Batch:	33968	QC Preparation:	2007-07-19	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 39363

QC Batch:	39363	Date Analyzed:	2007-07-24	Analyzed By:	RR
Prep Batch:	34057	QC Preparation:	2007-07-24	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 39450

QC Batch:	39450	Date Analyzed:	2007-07-27	Analyzed By:	RR
Prep Batch:	34138	QC Preparation:	2007-07-26	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Antimony		<0.0166	mg/L	0.05
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Thallium		<0.0189	mg/L	0.05
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005

Laboratory Control Spike (LCS-1)

QC Batch: 38045 | Date Analyzed: 2007-06-11 | Analyzed By: RR
Prep Batch: 32938 | QC Preparation: 2007-06-11 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.127	mg/L	1	0.125	<0.00210	102	83.8 - 115
Dissolved Arsenic	0.466	mg/L	1	0.500	<0.00430	93	88.1 - 107
Dissolved Barium	1.02	mg/L	1	1.00	<0.00170	102	91.3 - 107
Dissolved Beryllium	0.0243	mg/L	1	0.0250	<0.00220	97	75.3 - 120
Dissolved Cadmium	0.249	mg/L	1	0.250	<0.00140	100	80.9 - 112
Dissolved Cobalt	0.263	mg/L	1	0.250	<0.00220	105	84 - 117
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	89.5 - 118
Dissolved Copper	0.131	mg/L	1	0.125	<0.00140	105	87 - 114
Dissolved Nickel	0.268	mg/L	1	0.250	<0.00190	107	85.6 - 110
Dissolved Lead	0.502	mg/L	1	0.500	<0.00740	100	81.1 - 111
Dissolved Antimony [1]	0.254	mg/L	1	0.250	<0.0166	102	84.1 - 95.7
Dissolved Selenium	0.446	mg/L	1	0.500	<0.0131	89	70.2 - 111
Dissolved Tin	0.327	mg/L	1	0.300	<0.0124	109	78.8 - 116
Dissolved Thallium	0.460	mg/L	1	0.500	<0.0189	92	82.5 - 113
Dissolved Vanadium	0.268	mg/L	1	0.250	<0.00150	107	82.4 - 113
Dissolved Zinc	0.257	mg/L	1	0.250	<0.00710	103	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.130	mg/L	1	0.125	<0.00210	104	83.8 - 115	2	20
Dissolved Arsenic	0.523	mg/L	1	0.500	<0.00430	105	88.1 - 107	12	20
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107	1	20
Dissolved Beryllium	0.0242	mg/L	1	0.0250	<0.00220	97	75.3 - 120	0	20
Dissolved Cadmium	0.249	mg/L	1	0.250	<0.00140	100	80.9 - 112	0	20
Dissolved Cobalt	0.266	mg/L	1	0.250	<0.00220	106	84 - 117	1	20
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	89.5 - 118	0	20
Dissolved Copper	0.133	mg/L	1	0.125	<0.00140	106	87 - 114	2	20
Dissolved Nickel	0.272	mg/L	1	0.250	<0.00190	109	85.6 - 110	2	20
Dissolved Lead	0.504	mg/L	1	0.500	<0.00740	101	81.1 - 111	0	20
Dissolved Antimony [2]	0.245	mg/L	1	0.250	<0.0166	98	84.1 - 95.7	4	20
Dissolved Selenium	0.486	mg/L	1	0.500	<0.0131	97	70.2 - 111	9	20
Dissolved Tin	0.292	mg/L	1	0.300	<0.0124	97	78.8 - 116	11	20
Dissolved Thallium	0.489	mg/L	1	0.500	<0.0189	98	82.5 - 113	6	20
Dissolved Vanadium	0.263	mg/L	1	0.250	<0.00150	105	82.4 - 113	2	20
Dissolved Zinc	0.259	mg/L	1	0.250	<0.00710	104	80.3 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38183 | Date Analyzed: 2007-06-15 | Analyzed By: RR
Prep Batch: 33043 | QC Preparation: 2007-06-14 | Prepared By: KV

[1] Recovery within method limits but outside control chart limits. •
[2] Recovery within method limits but outside control chart limits. •

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.132	mg/L	1	0.125	<0.00210	106	83.8 - 115
Dissolved Arsenic	0.536	mg/L	1	0.500	<0.00430	107	88.1 - 107
Dissolved Barium	0.996	mg/L	1	1.00	<0.00170	100	91.3 - 107
Dissolved Beryllium	0.0256	mg/L	1	0.0250	<0.00220	102	75.3 - 120
Dissolved Cadmium	0.254	mg/L	1	0.250	<0.00140	102	80.9 - 112
Dissolved Cobalt	0.250	mg/L	1	0.250	<0.00220	100	84 - 117
Dissolved Chromium	0.100	mg/L	1	0.100	<0.000900	100	89.5 - 118
Dissolved Copper	0.127	mg/L	1	0.125	<0.00140	102	87 - 114
Dissolved Nickel	0.248	mg/L	1	0.250	<0.00190	99	85.6 - 110
Dissolved Lead	0.511	mg/L	1	0.500	<0.00740	102	81.1 - 111
Dissolved Antimony [3]	0.258	mg/L	1	0.250	<0.0166	103	84.1 - 95.7
Dissolved Selenium	0.544	mg/L	1	0.500	<0.0131	109	70.2 - 111
Dissolved Tin	0.294	mg/L	1	0.300	<0.0124	98	78.8 - 116
Dissolved Thallium	0.523	mg/L	1	0.500	<0.0189	105	82.5 - 113
Dissolved Vanadium	0.259	mg/L	1	0.250	<0.00150	104	82.4 - 113
Dissolved Zinc	0.248	mg/L	1	0.250	<0.00710	99	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.130	mg/L	1	0.125	<0.00210	104	83.8 - 115	2	20
Dissolved Arsenic	0.535	mg/L	1	0.500	<0.00430	107	88.1 - 107	0	20
Dissolved Barium	1.04	mg/L	1	1.00	<0.00170	104	91.3 - 107	4	20
Dissolved Beryllium	0.0247	mg/L	1	0.0250	<0.00220	99	75.3 - 120	4	20
Dissolved Cadmium	0.258	mg/L	1	0.250	<0.00140	103	80.9 - 112	2	20
Dissolved Cobalt	0.257	mg/L	1	0.250	<0.00220	103	84 - 117	3	20
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	89.5 - 118	4	20
Dissolved Copper	0.134	mg/L	1	0.125	<0.00140	107	87 - 114	5	20
Dissolved Nickel	0.257	mg/L	1	0.250	<0.00190	103	85.6 - 110	4	20
Dissolved Lead	0.514	mg/L	1	0.500	<0.00740	103	81.1 - 111	1	20
Dissolved Antimony	0.234	mg/L	1	0.250	<0.0166	94	84.1 - 95.7	10	20
Dissolved Selenium	0.523	mg/L	1	0.500	<0.0131	105	70.2 - 111	4	20
Dissolved Tin	0.303	mg/L	1	0.300	<0.0124	101	78.8 - 116	3	20
Dissolved Thallium	0.546	mg/L	1	0.500	<0.0189	109	82.5 - 113	4	20
Dissolved Vanadium	0.243	mg/L	1	0.250	<0.00150	97	82.4 - 113	6	20
Dissolved Zinc	0.258	mg/L	1	0.250	<0.00710	103	80.3 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38320 Date Analyzed: 2007-06-19 Analyzed By: RR
Prep Batch: 33078 QC Preparation: 2007-06-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.129	mg/L	1	0.125	<0.00210	103	83.8 - 115
Dissolved Arsenic	0.515	mg/L	1	0.500	<0.00430	103	88.1 - 107
Dissolved Barium	0.991	mg/L	1	1.00	<0.00170	99	91.3 - 107

continued . . .

[3] Recovery within method limits but outside control chart limits. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75.3 - 120
Dissolved Cadmium	0.250	mg/L	1	0.250	<0.00140	100	80.9 - 112
Dissolved Cobalt	0.237	mg/L	1	0.250	<0.00220	95	84 - 117
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	89.5 - 118
Dissolved Copper	0.126	mg/L	1	0.125	<0.00140	101	87 - 114
Dissolved Nickel	0.245	mg/L	1	0.250	<0.00190	98	85.6 - 110
Dissolved Lead	0.512	mg/L	1	0.500	<0.00740	102	81.1 - 111
Dissolved Antimony	0.228	mg/L	1	0.250	<0.0166	91	84.1 - 95.7
Dissolved Selenium	0.520	mg/L	1	0.500	<0.0131	104	70.2 - 111
Dissolved Tin	0.302	mg/L	1	0.300	<0.0124	101	78.8 - 116
Dissolved Thallium	0.514	mg/L	1	0.500	<0.0189	103	82.5 - 113
Dissolved Vanadium	0.261	mg/L	1	0.250	<0.00150	104	82.4 - 113
Dissolved Zinc	0.245	mg/L	1	0.250	<0.00710	98	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.127	mg/L	1	0.125	<0.00210	102	83.8 - 115	2	20
Dissolved Arsenic	0.489	mg/L	1	0.500	<0.00430	98	88.1 - 107	5	20
Dissolved Barium	0.994	mg/L	1	1.00	<0.00170	99	91.3 - 107	0	20
Dissolved Beryllium	0.0235	mg/L	1	0.0250	<0.00220	94	75.3 - 120	2	20
Dissolved Cadmium	0.251	mg/L	1	0.250	<0.00140	100	80.9 - 112	0	20
Dissolved Cobalt	0.237	mg/L	1	0.250	<0.00220	95	84 - 117	0	20
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	89.5 - 118	0	20
Dissolved Copper	0.127	mg/L	1	0.125	<0.00140	102	87 - 114	1	20
Dissolved Nickel	0.250	mg/L	1	0.250	<0.00190	100	85.6 - 110	2	20
Dissolved Lead	0.515	mg/L	1	0.500	<0.00740	103	81.1 - 111	1	20
Dissolved Antimony	0.235	mg/L	1	0.250	<0.0166	94	84.1 - 95.7	3	20
Dissolved Selenium	0.521	mg/L	1	0.500	<0.0131	104	70.2 - 111	0	20
Dissolved Tin	0.292	mg/L	1	0.300	<0.0124	97	78.8 - 116	3	20
Dissolved Thallium	0.491	mg/L	1	0.500	<0.0189	98	82.5 - 113	5	20
Dissolved Vanadium	0.262	mg/L	1	0.250	<0.00150	105	82.4 - 113	0	20
Dissolved Zinc	0.244	mg/L	1	0.250	<0.00710	98	80.3 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38353 Date Analyzed: 2007-06-20 Analyzed By: RR
Prep Batch: 33177 QC Preparation: 2007-06-19 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.126	mg/L	1	0.125	<0.00210	101	83.8 - 115
Dissolved Arsenic	0.491	mg/L	1	0.500	<0.00430	98	88.1 - 107
Dissolved Barium	1.00	mg/L	1	1.00	<0.00170	100	91.3 - 107
Dissolved Beryllium	0.0280	mg/L	1	0.0250	<0.00220	112	75.3 - 120
Dissolved Cadmium	0.253	mg/L	1	0.250	<0.00140	101	80.9 - 112
Dissolved Cobalt	0.252	mg/L	1	0.250	<0.00220	101	84 - 117

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.103	mg/L	1	0.100	<0.000900	103	89.5 - 118
Dissolved Copper	0.131	mg/L	1	0.125	<0.00140	105	87 - 114
Dissolved Nickel	0.251	mg/L	1	0.250	<0.00190	100	85.6 - 110
Dissolved Lead	0.520	mg/L	1	0.500	<0.00740	104	81.1 - 111
Dissolved Antimony	0.238	mg/L	1	0.250	<0.0166	95	84.1 - 95.7
Dissolved Selenium	0.403	mg/L	1	0.500	<0.0131	81	70.2 - 111
Dissolved Tin	0.282	mg/L	1	0.300	<0.0124	94	78.8 - 116
Dissolved Thallium	0.472	mg/L	1	0.500	<0.0189	94	82.5 - 113
Dissolved Vanadium	0.265	mg/L	1	0.250	<0.00150	106	82.4 - 113
Dissolved Zinc	0.244	mg/L	1	0.250	<0.00710	98	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	83.8 - 115	1	20
Dissolved Arsenic	0.477	mg/L	1	0.500	<0.00430	95	88.1 - 107	3	20
Dissolved Barium	0.997	mg/L	1	1.00	<0.00170	100	91.3 - 107	0	20
Dissolved Beryllium	0.0280	mg/L	1	0.0250	<0.00220	112	75.3 - 120	0	20
Dissolved Cadmium	0.253	mg/L	1	0.250	<0.00140	101	80.9 - 112	0	20
Dissolved Cobalt	0.254	mg/L	1	0.250	<0.00220	102	84 - 117	1	20
Dissolved Chromium	0.103	mg/L	1	0.100	<0.000900	103	89.5 - 118	0	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	87 - 114	2	20
Dissolved Nickel	0.247	mg/L	1	0.250	<0.00190	99	85.6 - 110	2	20
Dissolved Lead	0.518	mg/L	1	0.500	<0.00740	104	81.1 - 111	0	20
Dissolved Antimony	0.236	mg/L	1	0.250	<0.0166	94	84.1 - 95.7	1	20
Dissolved Selenium	0.433	mg/L	1	0.500	<0.0131	87	70.2 - 111	7	20
Dissolved Tin	0.273	mg/L	1	0.300	<0.0124	91	78.8 - 116	3	20
Dissolved Thallium	0.473	mg/L	1	0.500	<0.0189	95	82.5 - 113	0	20
Dissolved Vanadium	0.265	mg/L	1	0.250	<0.00150	106	82.4 - 113	0	20
Dissolved Zinc	0.241	mg/L	1	0.250	<0.00710	96	80.3 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38497 Date Analyzed: 2007-06-25 Analyzed By: RR
Prep Batch: 33307 QC Preparation: 2007-06-25 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.00210	94	83.8 - 115
Dissolved Arsenic	0.514	mg/L	1	0.500	<0.00430	103	88.1 - 107
Dissolved Barium	0.946	mg/L	1	1.00	<0.00170	95	91.3 - 107
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75.3 - 120
Dissolved Cadmium	0.243	mg/L	1	0.250	<0.00140	97	80.9 - 112
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00220	98	84 - 117
Dissolved Chromium	0.0990	mg/L	1	0.100	<0.000900	99	89.5 - 118
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	87 - 114
Dissolved Nickel	0.243	mg/L	1	0.250	<0.00190	97	85.6 - 110

continued ...

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead		0.513	mg/L	1	0.500	<0.00740	103	81.1 - 111
Dissolved Antimony	[4]	0.257	mg/L	1	0.250	<0.0166	103	84.1 - 95.7
Dissolved Selenium		0.421	mg/L	1	0.500	<0.0131	84	70.2 - 111
Dissolved Tin		0.304	mg/L	1	0.300	<0.0124	101	78.8 - 116
Dissolved Thallium		0.453	mg/L	1	0.500	<0.0189	91	82.5 - 113
Dissolved Vanadium		0.253	mg/L	1	0.250	<0.00150	101	82.4 - 113
Dissolved Zinc		0.234	mg/L	1	0.250	<0.00710	94	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver		0.117	mg/L	1	0.125	<0.00210	94	83.8 - 115	1	20
Dissolved Arsenic		0.506	mg/L	1	0.500	<0.00430	101	88.1 - 107	2	20
Dissolved Barium		0.937	mg/L	1	1.00	<0.00170	94	91.3 - 107	1	20
Dissolved Beryllium		0.0230	mg/L	1	0.0250	<0.00220	92	75.3 - 120	0	20
Dissolved Cadmium		0.238	mg/L	1	0.250	<0.00140	95	80.9 - 112	2	20
Dissolved Cobalt		0.243	mg/L	1	0.250	<0.00220	97	84 - 117	1	20
Dissolved Chromium		0.0970	mg/L	1	0.100	<0.000900	97	89.5 - 118	2	20
Dissolved Copper		0.121	mg/L	1	0.125	<0.00140	97	87 - 114	1	20
Dissolved Nickel		0.243	mg/L	1	0.250	<0.00190	97	85.6 - 110	0	20
Dissolved Lead		0.488	mg/L	1	0.500	<0.00740	98	81.1 - 111	5	20
Dissolved Antimony	[5]	0.241	mg/L	1	0.250	<0.0166	96	84.1 - 95.7	6	20
Dissolved Selenium		0.406	mg/L	1	0.500	<0.0131	81	70.2 - 111	4	20
Dissolved Tin		0.302	mg/L	1	0.300	<0.0124	101	78.8 - 116	1	20
Dissolved Thallium		0.453	mg/L	1	0.500	<0.0189	91	82.5 - 113	0	20
Dissolved Vanadium		0.258	mg/L	1	0.250	<0.00150	103	82.4 - 113	2	20
Dissolved Zinc		0.232	mg/L	1	0.250	<0.00710	93	80.3 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38756 Date Analyzed: 2007-07-04 Analyzed By: RR
Prep Batch: 33498 QC Preparation: 2007-07-02 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	83.8 - 115
Dissolved Arsenic	0.468	mg/L	1	0.500	<0.00430	94	88.1 - 107
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	91.3 - 107
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	75.3 - 120
Dissolved Cadmium	0.249	mg/L	1	0.250	<0.00140	100	80.9 - 112
Dissolved Cobalt	0.255	mg/L	1	0.250	<0.00220	102	84 - 117
Dissolved Chromium	0.0970	mg/L	1	0.100	<0.000900	97	89.5 - 118
Dissolved Copper	0.127	mg/L	1	0.125	<0.00140	102	87 - 114
Dissolved Nickel	0.258	mg/L	1	0.250	<0.00190	103	85.6 - 110
Dissolved Lead	0.504	mg/L	1	0.500	<0.00740	101	81.1 - 111

continued ...

[4] Recovery within method limits but outside control chart limits •
[5] Recovery within method limits but outside control chart limits.

control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Antimony	0.238	mg/L	1	0.250	<0.0166	95	84.1 - 95.7
Dissolved Selenium	0.554	mg/L	1	0.500	<0.0131	111	70.2 - 111
Dissolved Tin	0.280	mg/L	1	0.300	<0.0124	93	78.8 - 116
Dissolved Thallium	0.501	mg/L	1	0.500	<0.0189	100	82.5 - 113
Dissolved Vanadium	0.260	mg/L	1	0.250	<0.00150	104	82.4 - 113
Dissolved Zinc	0.247	mg/L	1	0.250	<0.00710	99	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.123	mg/L	1	0.125	<0.00210	98	83.8 - 115	2	20
Dissolved Arsenic	0.527	mg/L	1	0.500	<0.00430	105	88.1 - 107	12	20
Dissolved Barium	1.00	mg/L	1	1.00	<0.00170	100	91.3 - 107	1	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120	4	20
Dissolved Cadmium	0.250	mg/L	1	0.250	<0.00140	100	80.9 - 112	0	20
Dissolved Cobalt	0.254	mg/L	1	0.250	<0.00220	102	84 - 117	0	20
Dissolved Chromium	0.0970	mg/L	1	0.100	<0.000900	97	89.5 - 118	0	20
Dissolved Copper	0.127	mg/L	1	0.125	<0.00140	102	87 - 114	0	20
Dissolved Nickel	0.257	mg/L	1	0.250	<0.00190	103	85.6 - 110	0	20
Dissolved Lead	0.511	mg/L	1	0.500	<0.00740	102	81.1 - 111	1	20
Dissolved Antimony	0.236	mg/L	1	0.250	<0.0166	94	84.1 - 95.7	1	20
Dissolved Selenium	0.517	mg/L	1	0.500	<0.0131	103	70.2 - 111	7	20
Dissolved Tin	0.304	mg/L	1	0.300	<0.0124	101	78.8 - 116	8	20
Dissolved Thallium	0.502	mg/L	1	0.500	<0.0189	100	82.5 - 113	0	20
Dissolved Vanadium	0.256	mg/L	1	0.250	<0.00150	102	82.4 - 113	2	20
Dissolved Zinc	0.245	mg/L	1	0.250	<0.00710	98	80.3 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38760 Date Analyzed: 2007-07-04 Analyzed By: RR
Prep Batch: 33486 QC Preparation: 2007-07-02 Prepared By: KV

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.120	mg/L	1	0.125	<0.00210	96	83.8 - 115
Dissolved Arsenic		0.515	mg/L	1	0.500	<0.00430	103	88.1 - 107
Dissolved Barium		0.938	mg/L	1	1.00	<0.00170	94	91.3 - 107
Dissolved Beryllium		0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120
Dissolved Cadmium		0.233	mg/L	1	0.250	<0.00140	93	80.9 - 112
Dissolved Cobalt		0.235	mg/L	1	0.250	<0.00220	94	84 - 117
Dissolved Chromium		0.0920	mg/L	1	0.100	<0.000900	92	89.5 - 118
Dissolved Copper		0.119	mg/L	1	0.125	<0.00140	95	87 - 114
Dissolved Nickel		0.238	mg/L	1	0.250	<0.00190	95	85.6 - 110
Dissolved Lead		0.475	mg/L	1	0.500	<0.00740	95	81.1 - 111
Dissolved Antimony	[6]	0.252	mg/L	1	0.250	<0.0166	101	84.1 - 95.7
Dissolved Selenium		0.453	mg/L	1	0.500	<0.0131	91	70.2 - 111

continued . . .

[6] Recovery within method limits but outside control chart limits •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Tin	0.297	mg/L	1	0.300	<0.0124	99	78.8 - 116
Dissolved Thallium	0.487	mg/L	1	0.500	<0.0189	97	82.5 - 113
Dissolved Vanadium	0.248	mg/L	1	0.250	<0.00150	99	82.4 - 113
Dissolved Zinc	0.228	mg/L	1	0.250	<0.00710	91	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.122	mg/L	1	0.125	<0.00210	98	83.8 - 115	2	20
Dissolved Arsenic	0.520	mg/L	1	0.500	<0.00430	104	88.1 - 107	1	20
Dissolved Barium	0.970	mg/L	1	1.00	<0.00170	97	91.3 - 107	3	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75.3 - 120	4	20
Dissolved Cadmium	0.239	mg/L	1	0.250	<0.00140	96	80.9 - 112	2	20
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00220	98	84 - 117	4	20
Dissolved Chromium	0.0970	mg/L	1	0.100	<0.000900	97	89.5 - 118	5	20
Dissolved Copper	0.123	mg/L	1	0.125	<0.00140	98	87 - 114	3	20
Dissolved Nickel	0.244	mg/L	1	0.250	<0.00190	98	85.6 - 110	2	20
Dissolved Lead	0.511	mg/L	1	0.500	<0.00740	102	81.1 - 111	7	20
Dissolved Antimony	0.237	mg/L	1	0.250	<0.0166	95	84.1 - 95.7	6	20
Dissolved Selenium	0.443	mg/L	1	0.500	<0.0131	89	70.2 - 111	2	20
Dissolved Tin	0.306	mg/L	1	0.300	<0.0124	102	78.8 - 116	3	20
Dissolved Thallium	0.454	mg/L	1	0.500	<0.0189	91	82.5 - 113	7	20
Dissolved Vanadium	0.255	mg/L	1	0.250	<0.00150	102	82.4 - 113	3	20
Dissolved Zinc	0.236	mg/L	1	0.250	<0.00710	94	80.3 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38964 Date Analyzed: 2007-07-11 Analyzed By: RR
Prep Batch: 33610 QC Preparation: 2007-07-06 Prepared By: TS

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.126	mg/L	1	0.125	<0.00210	101	83.8 - 115
Dissolved Arsenic		0.495	mg/L	1	0.500	<0.00430	99	88.1 - 107
Dissolved Barium		1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107
Dissolved Beryllium		0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120
Dissolved Cadmium		0.250	mg/L	1	0.250	<0.00140	100	80.9 - 112
Dissolved Cobalt		0.260	mg/L	1	0.250	<0.00220	104	84 - 117
Dissolved Chromium		0.101	mg/L	1	0.100	<0.000900	101	89.5 - 118
Dissolved Copper		0.134	mg/L	1	0.125	<0.00140	107	87 - 114
Dissolved Nickel		0.270	mg/L	1	0.250	<0.00190	108	85.6 - 110
Dissolved Lead		0.526	mg/L	1	0.500	<0.00740	105	81.1 - 111
Dissolved Antimony	[7]	0.258	mg/L	1	0.250	<0.0166	103	84.1 - 95.7
Dissolved Selenium		0.524	mg/L	1	0.500	<0.0131	105	70.2 - 111
Dissolved Tin		0.285	mg/L	1	0.300	<0.0124	95	78.8 - 116
Dissolved Thallium		0.507	mg/L	1	0.500	<0.0189	101	82.5 - 113

continued ...

[7] Recovery within method limits but outside control chart limits. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Vanadium	0.273	mg/L	1	0.250	<0.00150	109	82.4 - 113
Dissolved Zinc	0.258	mg/L	1	0.250	<0.00710	103	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver		0.127	mg/L	1	0.125	<0.00210	102	83.8 - 115	1	20
Dissolved Arsenic		0.498	mg/L	1	0.500	<0.00430	100	88.1 - 107	1	20
Dissolved Barium		1.04	mg/L	1	1.00	<0.00170	104	91.3 - 107	1	20
Dissolved Beryllium		0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120	0	20
Dissolved Cadmium		0.248	mg/L	1	0.250	<0.00140	99	80.9 - 112	1	20
Dissolved Cobalt		0.264	mg/L	1	0.250	<0.00220	106	84 - 117	2	20
Dissolved Chromium		0.101	mg/L	1	0.100	<0.000900	101	89.5 - 118	0	20
Dissolved Copper		0.132	mg/L	1	0.125	<0.00140	106	87 - 114	2	20
Dissolved Nickel		0.270	mg/L	1	0.250	<0.00190	108	85.6 - 110	0	20
Dissolved Lead		0.527	mg/L	1	0.500	<0.00740	105	81.1 - 111	0	20
Dissolved Antimony	[8]	0.260	mg/L	1	0.250	<0.0166	104	84.1 - 95.7	1	20
Dissolved Selenium		0.513	mg/L	1	0.500	<0.0131	103	70.2 - 111	2	20
Dissolved Tin		0.326	mg/L	1	0.300	<0.0124	109	78.8 - 116	13	20
Dissolved Thallium		0.517	mg/L	1	0.500	<0.0189	103	82.5 - 113	2	20
Dissolved Vanadium		0.270	mg/L	1	0.250	<0.00150	108	82.4 - 113	1	20
Dissolved Zinc		0.255	mg/L	1	0.250	<0.00710	102	80.3 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39111 Date Analyzed: 2007-07-16 Analyzed By: RR
Prep Batch: 33843 QC Preparation: 2007-07-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.120	mg/L	1	0.125	<0.00210	96	83.8 - 115
Dissolved Arsenic	0.457	mg/L	1	0.500	<0.00430	91	88.1 - 107
Dissolved Barium	0.982	mg/L	1	1.00	<0.00170	98	91.3 - 107
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	75.3 - 120
Dissolved Cadmium	0.237	mg/L	1	0.250	<0.00140	95	80.9 - 112
Dissolved Cobalt	0.244	mg/L	1	0.250	<0.00220	98	84 - 117
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.000900	96	89.5 - 118
Dissolved Copper	0.123	mg/L	1	0.125	<0.00140	98	87 - 114
Dissolved Nickel	0.246	mg/L	1	0.250	<0.00190	98	85.6 - 110
Dissolved Lead	0.466	mg/L	1	0.500	<0.00740	93	81.1 - 111
Dissolved Antimony	0.235	mg/L	1	0.250	<0.0166	94	84.1 - 95.7
Dissolved Selenium	0.465	mg/L	1	0.500	<0.0131	93	70.2 - 111
Dissolved Tin	0.307	mg/L	1	0.300	<0.0124	102	78.8 - 116
Dissolved Thallium	0.472	mg/L	1	0.500	<0.0189	94	82.5 - 113
Dissolved Vanadium	0.241	mg/L	1	0.250	<0.00150	96	82.4 - 113
Dissolved Zinc	0.230	mg/L	1	0.250	<0.00710	92	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[8] Recovery within method limits but outside control chart limits. •

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.123	mg/L	1	0.125	<0.00210	98	83.8 - 115	2	20
Dissolved Arsenic	0.495	mg/L	1	0.500	<0.00430	99	88.1 - 107	8	20
Dissolved Barium	0.981	mg/L	1	1.00	<0.00170	98	91.3 - 107	0	20
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	75.3 - 120	0	20
Dissolved Cadmium	0.235	mg/L	1	0.250	<0.00140	94	80.9 - 112	1	20
Dissolved Cobalt	0.240	mg/L	1	0.250	<0.00220	96	84 - 117	2	20
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.000900	96	89.5 - 118	0	20
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	87 - 114	1	20
Dissolved Nickel	0.244	mg/L	1	0.250	<0.00190	98	85.6 - 110	1	20
Dissolved Lead	0.491	mg/L	1	0.500	<0.00740	98	81.1 - 111	5	20
Dissolved Antimony	0.229	mg/L	1	0.250	<0.0166	92	84.1 - 95.7	3	20
Dissolved Selenium	0.443	mg/L	1	0.500	<0.0131	89	70.2 - 111	5	20
Dissolved Tin	0.288	mg/L	1	0.300	<0.0124	96	78.8 - 116	6	20
Dissolved Thallium	0.472	mg/L	1	0.500	<0.0189	94	82.5 - 113	0	20
Dissolved Vanadium	0.238	mg/L	1	0.250	<0.00150	95	82.4 - 113	1	20
Dissolved Zinc	0.230	mg/L	1	0.250	<0.00710	92	80.3 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39257 Date Analyzed: 2007-07-20 Analyzed By: RR
Prep Batch: 33968 QC Preparation: 2007-07-19 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.122	mg/L	1	0.125	<0.00210	98	83.8 - 115
Dissolved Arsenic	0.444	mg/L	1	0.500	<0.00430	89	88.1 - 107
Dissolved Barium	0.969	mg/L	1	1.00	<0.00170	97	91.3 - 107
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75.3 - 120
Dissolved Cadmium	0.225	mg/L	1	0.250	<0.00140	90	80.9 - 112
Dissolved Cobalt	0.232	mg/L	1	0.250	<0.00220	93	84 - 117
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.000900	96	89.5 - 118
Dissolved Copper	0.118	mg/L	1	0.125	<0.00140	94	87 - 114
Dissolved Nickel	0.232	mg/L	1	0.250	<0.00190	93	85.6 - 110
Dissolved Lead	0.476	mg/L	1	0.500	<0.00740	95	81.1 - 111
Dissolved Antimony	0.228	mg/L	1	0.250	<0.0166	91	84.1 - 95.7
Dissolved Selenium	0.463	mg/L	1	0.500	<0.0131	93	70.2 - 111
Dissolved Tin	0.274	mg/L	1	0.300	<0.0124	91	78.8 - 116
Dissolved Thallium	0.457	mg/L	1	0.500	<0.0189	91	82.5 - 113
Dissolved Vanadium	0.232	mg/L	1	0.250	<0.00150	93	82.4 - 113
Dissolved Zinc	0.215	mg/L	1	0.250	<0.00710	86	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.120	mg/L	1	0.125	<0.00210	96	83.8 - 115	2	20
Dissolved Arsenic	0.449	mg/L	1	0.500	<0.00430	90	88.1 - 107	1	20
Dissolved Barium	0.975	mg/L	1	1.00	<0.00170	98	91.3 - 107	1	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	75.3 - 120	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.234	mg/L	1	0.250	<0.00140	94	80.9 - 112	4	20
Dissolved Cobalt	0.232	mg/L	1	0.250	<0.00220	93	84 - 117	0	20
Dissolved Chromium	0.0940	mg/L	1	0.100	<0.000900	94	89.5 - 118	2	20
Dissolved Copper	0.117	mg/L	1	0.125	<0.00140	94	87 - 114	1	20
Dissolved Nickel	0.233	mg/L	1	0.250	<0.00190	93	85.6 - 110	0	20
Dissolved Lead	0.482	mg/L	1	0.500	<0.00740	96	81.1 - 111	1	20
Dissolved Antimony	0.234	mg/L	1	0.250	<0.0166	94	84.1 - 95.7	3	20
Dissolved Selenium	0.440	mg/L	1	0.500	<0.0131	88	70.2 - 111	5	20
Dissolved Tin	0.279	mg/L	1	0.300	<0.0124	93	78.8 - 116	2	20
Dissolved Thallium	0.462	mg/L	1	0.500	<0.0189	92	82.5 - 113	1	20
Dissolved Vanadium	0.230	mg/L	1	0.250	<0.00150	92	82.4 - 113	1	20
Dissolved Zinc	0.225	mg/L	1	0.250	<0.00710	90	80.3 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39363 Date Analyzed: 2007-07-24 Analyzed By: RR
Prep Batch: 34057 QC Preparation: 2007-07-24 Prepared By: KV

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.126	mg/L	1	0.125	<0.00210	101	83.8 - 115
Dissolved Arsenic		0.466	mg/L	1	0.500	<0.00430	93	88.1 - 107
Dissolved Barium		1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107
Dissolved Beryllium		0.0252	mg/L	1	0.0250	<0.00220	101	75.3 - 120
Dissolved Cadmium		0.242	mg/L	1	0.250	<0.00140	97	80.9 - 112
Dissolved Cobalt		0.251	mg/L	1	0.250	<0.00220	100	84 - 117
Dissolved Chromium		0.109	mg/L	1	0.100	<0.000900	109	89.5 - 118
Dissolved Copper		0.128	mg/L	1	0.125	<0.00140	102	87 - 114
Dissolved Nickel		0.251	mg/L	1	0.250	<0.00190	100	85.6 - 110
Dissolved Lead		0.508	mg/L	1	0.500	<0.00740	102	81.1 - 111
Dissolved Antimony	[9]	0.193	mg/L	1	0.250	<0.0166	77	84.1 - 95.7
Dissolved Selenium		0.391	mg/L	1	0.500	<0.0131	78	70.2 - 111
Dissolved Tin		0.295	mg/L	1	0.300	<0.0124	98	78.8 - 116
Dissolved Thallium		0.491	mg/L	1	0.500	<0.0189	98	82.5 - 113
Dissolved Vanadium		0.246	mg/L	1	0.250	<0.00150	98	82.4 - 113
Dissolved Zinc		0.231	mg/L	1	0.250	<0.00710	92	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	83.8 - 115	1	20
Dissolved Arsenic	0.467	mg/L	1	0.500	<0.00430	93	88.1 - 107	0	20
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107	0	20
Dissolved Beryllium	0.0251	mg/L	1	0.0250	<0.00220	100	75.3 - 120	0	20
Dissolved Cadmium	0.242	mg/L	1	0.250	<0.00140	97	80.9 - 112	0	20
Dissolved Cobalt	0.250	mg/L	1	0.250	<0.00220	100	84 - 117	0	20

continued ...

[9] Recovery within method limits but outside control chart limits. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium		0.109	mg/L	1	0.100	<0.000900	109	89.5 - 118	0	20
Dissolved Copper		0.127	mg/L	1	0.125	<0.00140	102	87 - 114	1	20
Dissolved Nickel		0.251	mg/L	1	0.250	<0.00190	100	85.6 - 110	0	20
Dissolved Lead		0.506	mg/L	1	0.500	<0.00740	101	81.1 - 111	0	20
Dissolved Antimony	[10]	0.194	mg/L	1	0.250	<0.0166	78	84.1 - 95.7	0	20
Dissolved Selenium		0.403	mg/L	1	0.500	<0.0131	81	70.2 - 111	3	20
Dissolved Tin		0.293	mg/L	1	0.300	<0.0124	98	78.8 - 116	1	20
Dissolved Thallium		0.485	mg/L	1	0.500	<0.0189	97	82.5 - 113	1	20
Dissolved Vanadium		0.246	mg/L	1	0.250	<0.00150	98	82.4 - 113	0	20
Dissolved Zinc		0.239	mg/L	1	0.250	<0.00710	96	80.3 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39450 Date Analyzed: 2007-07-27 Analyzed By: RR
Prep Batch: 34138 QC Preparation: 2007-07-26 Prepared By: KV

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.124	mg/L	1	0.125	<0.00210	99	83.8 - 115
Dissolved Arsenic		0.466	mg/L	1	0.500	<0.00430	93	88.1 - 107
Dissolved Barium		1.01	mg/L	1	1.00	<0.00170	101	91.3 - 107
Dissolved Beryllium		0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120
Dissolved Cadmium		0.239	mg/L	1	0.250	<0.00140	96	80.9 - 112
Dissolved Cobalt		0.250	mg/L	1	0.250	<0.00220	100	84 - 117
Dissolved Chromium		0.104	mg/L	1	0.100	<0.000900	104	89.5 - 118
Dissolved Copper		0.123	mg/L	1	0.125	<0.00140	98	87 - 114
Dissolved Nickel		0.251	mg/L	1	0.250	<0.00190	100	85.6 - 110
Dissolved Lead		0.487	mg/L	1	0.500	<0.00740	97	81.1 - 111
Dissolved Antimony	[11]	0.239	mg/L	1	0.250	<0.0166	96	84.1 - 95.7
Dissolved Selenium		0.393	mg/L	1	0.500	<0.0131	79	70.2 - 111
Dissolved Tin		0.293	mg/L	1	0.300	<0.0124	98	78.8 - 116
Dissolved Thallium		0.487	mg/L	1	0.500	<0.0189	97	82.5 - 113
Dissolved Vanadium		0.240	mg/L	1	0.250	<0.00150	96	82.4 - 113
Dissolved Zinc		0.227	mg/L	1	0.250	<0.00710	91	80.3 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.123	mg/L	1	0.125	<0.00210	98	83.8 - 115	1	20
Dissolved Arsenic	0.464	mg/L	1	0.500	<0.00430	93	88.1 - 107	0	20
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	91.3 - 107	0	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120	0	20
Dissolved Cadmium	0.239	mg/L	1	0.250	<0.00140	96	80.9 - 112	0	20
Dissolved Cobalt	0.248	mg/L	1	0.250	<0.00220	99	84 - 117	1	20
Dissolved Chromium	0.103	mg/L	1	0.100	<0.000900	103	89.5 - 118	1	20

continued ...

[10] Recovery within method limits but outside control chart limits. •
[11] Recovery within method limits but outside control chart limits. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.123	mg/L	1	0.125	<0.00140	98	87 - 114	0	20
Dissolved Nickel	0.250	mg/L	1	0.250	<0.00190	100	85.6 - 110	0	20
Dissolved Lead	0.483	mg/L	1	0.500	<0.00740	97	81.1 - 111	1	20
Dissolved Antimony	0.238	mg/L	1	0.250	<0.0166	95	84.1 - 95.7	0	20
Dissolved Selenium	0.394	mg/L	1	0.500	<0.0131	79	70.2 - 111	0	20
Dissolved Tin	0.293	mg/L	1	0.300	<0.0124	98	78.8 - 116	0	20
Dissolved Thallium	0.487	mg/L	1	0.500	<0.0189	97	82.5 - 113	0	20
Dissolved Vanadium	0.238	mg/L	1	0.250	<0.00150	95	82.4 - 113	1	20
Dissolved Zinc	0.228	mg/L	1	0.250	<0.00710	91	80.3 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 126993

QC Batch: 38045 Date Analyzed: 2007-06-11 Analyzed By: RR
Prep Batch: 32938 QC Preparation: 2007-06-11 Prepared By: TS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.128	mg/L	1	0.125	<0.00210	102	78.4 - 116
Dissolved Arsenic		0.460	mg/L	1	0.500	<0.00430	92	84.4 - 117
Dissolved Barium		1.11	mg/L	1	1.00	0.105	100	68.7 - 115
Dissolved Beryllium		0.0242	mg/L	1	0.0250	<0.00220	97	72.1 - 121
Dissolved Cadmium		0.245	mg/L	1	0.250	<0.00140	98	72.1 - 99.8
Dissolved Cobalt	[12]	0.257	mg/L	1	0.250	<0.00220	103	84.8 - 101
Dissolved Chromium		0.106	mg/L	1	0.100	0.005	101	69.3 - 122
Dissolved Copper		0.132	mg/L	1	0.125	<0.00140	106	75.7 - 119
Dissolved Nickel		0.254	mg/L	1	0.250	0.007	99	79.9 - 105
Dissolved Lead		0.497	mg/L	1	0.500	<0.00740	99	75 - 111
Dissolved Antimony		0.253	mg/L	1	0.250	<0.0166	101	74.1 - 109
Dissolved Selenium	[13]	0.507	mg/L	1	0.500	<0.0131	101	77 - 99.3
Dissolved Tin		0.305	mg/L	1	0.300	<0.0124	102	66 - 127
Dissolved Thallium		0.511	mg/L	1	0.500	<0.0189	102	71.8 - 110
Dissolved Vanadium		0.275	mg/L	1	0.250	0.004	108	89.1 - 110
Dissolved Zinc		0.263	mg/L	1	0.250	<0.00710	105	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver		0.127	mg/L	1	0.125	<0.00210	102	78.4 - 116	1	20
Dissolved Arsenic		0.472	mg/L	1	0.500	<0.00430	94	84.4 - 117	3	20
Dissolved Barium		1.11	mg/L	1	1.00	0.105	100	68.7 - 115	0	20
Dissolved Beryllium		0.0243	mg/L	1	0.0250	<0.00220	97	72.1 - 121	0	20
Dissolved Cadmium		0.244	mg/L	1	0.250	<0.00140	98	72.1 - 99.8	0	20
Dissolved Cobalt	[14]	0.255	mg/L	1	0.250	<0.00220	102	84.8 - 101	1	20
Dissolved Chromium		0.106	mg/L	1	0.100	0.005	101	69.3 - 122	0	20

continued ...

[12] Recovery within method limits but outside control chart limits. •
[13] Recovery within method limits but outside control chart limits. •
[14] Recovery within method limits but outside control chart limits. •

matrix spikes continued . . .

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper		0.134	mg/L	1	0.125	<0.00140	107	75.7 - 119	2	20
Dissolved Nickel		0.264	mg/L	1	0.250	0.007	103	79.9 - 105	4	20
Dissolved Lead		0.504	mg/L	1	0.500	<0.00740	101	75 - 111	1	20
Dissolved Antimony		0.259	mg/L	1	0.250	<0.0166	104	74.1 - 109	2	20
Dissolved Selenium	[15]	0.519	mg/L	1	0.500	<0.0131	104	77 - 99.3	2	20
Dissolved Tin		0.306	mg/L	1	0.300	<0.0124	102	66 - 127	0	20
Dissolved Thallium		0.482	mg/L	1	0.500	<0.0189	96	71.8 - 110	6	20
Dissolved Vanadium		0.274	mg/L	1	0.250	0.004	108	89.1 - 110	0	20
Dissolved Zinc		0.260	mg/L	1	0.250	<0.00710	104	79.7 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127194

QC Batch: 38183 | Date Analyzed: 2007-06-15 | Analyzed By: RR
Prep Batch: 33043 | QC Preparation: 2007-06-14 | Prepared By: KV

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver		0.126	mg/L	1	0.125	<0.00210	101	78.4 - 116
Dissolved Arsenic		0.515	mg/L	1	0.500	<0.00430	103	84.4 - 117
Dissolved Barium		1.08	mg/L	1	1.00	0.072	101	68.7 - 115
Dissolved Beryllium		0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121
Dissolved Cadmium	[16]	0.252	mg/L	1	0.250	<0.00140	101	72.1 - 99.8
Dissolved Cobalt		0.247	mg/L	1	0.250	<0.00220	99	84.8 - 101
Dissolved Chromium		0.102	mg/L	1	0.100	<0.000900	102	69.3 - 122
Dissolved Copper		0.131	mg/L	1	0.125	<0.00140	105	75.7 - 119
Dissolved Nickel		0.252	mg/L	1	0.250	<0.00190	101	79.9 - 105
Dissolved Lead		0.519	mg/L	1	0.500	<0.00740	104	75 - 111
Dissolved Antimony		0.245	mg/L	1	0.250	<0.0166	98	74.1 - 109
Dissolved Selenium		0.492	mg/L	1	0.500	<0.0131	98	77 - 99.3
Dissolved Tin		0.296	mg/L	1	0.300	<0.0124	99	66 - 127
Dissolved Thallium		0.518	mg/L	1	0.500	<0.0189	104	71.8 - 110
Dissolved Vanadium		0.254	mg/L	1	0.250	<0.00150	102	89.1 - 110
Dissolved Zinc	[17]	0.317	mg/L	1	0.250	0.029	115	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.128	mg/L	1	0.125	<0.00210	102	78.4 - 116	2	20
Dissolved Arsenic	0.508	mg/L	1	0.500	<0.00430	102	84.4 - 117	1	20
Dissolved Barium	1.05	mg/L	1	1.00	0.072	98	68.7 - 115	3	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121	0	20
Dissolved Cadmium	0.246	mg/L	1	0.250	<0.00140	98	72.1 - 99.8	2	20
Dissolved Cobalt	0.240	mg/L	1	0.250	<0.00220	96	84.8 - 101	3	20
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.000900	96	69.3 - 122	6	20

continued . . .

[15] Recovery within method limits but outside control chart limits. •
[16] Recovery within method limits but outside control chart limits. •
[17] Recovery within method limits but outside control chart limits. •

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	75.7 - 119	2	20
Dissolved Nickel	0.243	mg/L	1	0.250	<0.00190	97	79.9 - 105	4	20
Dissolved Lead	0.509	mg/L	1	0.500	<0.00740	102	75 - 111	2	20
Dissolved Antimony	0.246	mg/L	1	0.250	<0.0166	98	74.1 - 109	0	20
Dissolved Selenium	0.415	mg/L	1	0.500	<0.0131	83	77 - 99.3	17	20
Dissolved Tin	0.279	mg/L	1	0.300	<0.0124	93	66 - 127	6	20
Dissolved Thallium	0.479	mg/L	1	0.500	<0.0189	96	71.8 - 110	8	20
Dissolved Vanadium	0.256	mg/L	1	0.250	<0.00150	102	89.1 - 110	1	20
Dissolved Zinc	0.287	mg/L	1	0.250	0.029	103	79.7 - 109	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127500

QC Batch: 38320 Date Analyzed: 2007-06-19 Analyzed By: RR
Prep Batch: 33078 QC Preparation: 2007-06-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.131	mg/L	1	0.125	<0.00210	105	78.4 - 116
Dissolved Arsenic	0.539	mg/L	1	0.500	<0.00430	108	84.4 - 117
Dissolved Barium	1.12	mg/L	1	1.00	0.117	100	68.7 - 115
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121
Dissolved Cadmium	0.245	mg/L	1	0.250	<0.00140	98	72.1 - 99.8
Dissolved Cobalt	0.233	mg/L	1	0.250	<0.00220	93	84.8 - 101
Dissolved Chromium	0.102	mg/L	1	0.100	<0.000900	102	69.3 - 122
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	75.7 - 119
Dissolved Nickel	0.247	mg/L	1	0.250	<0.00190	99	79.9 - 105
Dissolved Lead	0.505	mg/L	1	0.500	<0.00740	101	75 - 111
Dissolved Antimony	0.233	mg/L	1	0.250	<0.0166	93	74.1 - 109
Dissolved Selenium	0.496	mg/L	1	0.500	<0.0131	99	77 - 99.3
Dissolved Tin	0.274	mg/L	1	0.300	<0.0124	91	66 - 127
Dissolved Thallium	0.487	mg/L	1	0.500	<0.0189	97	71.8 - 110
Dissolved Vanadium	0.274	mg/L	1	0.250	0.008	106	89.1 - 110
Dissolved Zinc	0.274	mg/L	1	0.250	0.012	105	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.132	mg/L	1	0.125	<0.00210	106	78.4 - 116	1	20
Dissolved Arsenic	0.515	mg/L	1	0.500	<0.00430	103	84.4 - 117	5	20
Dissolved Barium	1.12	mg/L	1	1.00	0.117	100	68.7 - 115	0	20
Dissolved Beryllium	0.0239	mg/L	1	0.0250	<0.00220	96	72.1 - 121	4	20
Dissolved Cadmium	0.245	mg/L	1	0.250	<0.00140	98	72.1 - 99.8	0	20
Dissolved Cobalt	0.240	mg/L	1	0.250	<0.00220	96	84.8 - 101	3	20
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	69.3 - 122	2	20
Dissolved Copper	0.130	mg/L	1	0.125	<0.00140	104	75.7 - 119	2	20
Dissolved Nickel	0.252	mg/L	1	0.250	<0.00190	101	79.9 - 105	2	20
Dissolved Lead	0.518	mg/L	1	0.500	<0.00740	104	75 - 111	2	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Antimony	0.254	mg/L	1	0.250	<0.0166	102	74.1 - 109	9	20
Dissolved Selenium	0.460	mg/L	1	0.500	<0.0131	92	77 - 99.3	8	20
Dissolved Tin	0.306	mg/L	1	0.300	<0.0124	102	66 - 127	11	20
Dissolved Thallium	0.437	mg/L	1	0.500	<0.0189	87	71.8 - 110	11	20
Dissolved Vanadium	0.277	mg/L	1	0.250	0.008	108	89.1 - 110	1	20
Dissolved Zinc	0.269	mg/L	1	0.250	0.012	103	79.7 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch: 38353 Date Analyzed: 2007-06-20 Analyzed By: RR
Prep Batch: 33177 QC Preparation: 2007-06-19 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.00210	94	78.4 - 116
Dissolved Arsenic	0.497	mg/L	1	0.500	<0.00430	99	84.4 - 117
Dissolved Barium	0.997	mg/L	1	1.00	0.063	93	68.7 - 115
Dissolved Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	72.1 - 121
Dissolved Cadmium	0.237	mg/L	1	0.250	<0.00140	95	72.1 - 99.8
Dissolved Cobalt	0.235	mg/L	1	0.250	<0.00220	94	84.8 - 101
Dissolved Chromium	0.0990	mg/L	1	0.100	<0.000900	99	69.3 - 122
Dissolved Copper	0.120	mg/L	1	0.125	<0.00140	96	75.7 - 119
Dissolved Nickel	0.238	mg/L	1	0.250	<0.00190	95	79.9 - 105
Dissolved Lead	0.505	mg/L	1	0.500	<0.00740	101	75 - 111
Dissolved Antimony	0.245	mg/L	1	0.250	<0.0166	98	74.1 - 109
Dissolved Selenium	0.491	mg/L	1	0.500	<0.0131	98	77 - 99.3
Dissolved Tin	0.290	mg/L	1	0.300	<0.0124	97	66 - 127
Dissolved Thallium	0.435	mg/L	1	0.500	<0.0189	87	71.8 - 110
Dissolved Vanadium	0.256	mg/L	1	0.250	0.004	101	89.1 - 110
Dissolved Zinc	0.258	mg/L	1	0.250	<0.00710	103	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.120	mg/L	1	0.125	<0.00210	96	78.4 - 116	2	20
Dissolved Arsenic	0.478	mg/L	1	0.500	<0.00430	96	84.4 - 117	4	20
Dissolved Barium	0.998	mg/L	1	1.00	0.063	94	68.7 - 115	0	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121	8	20
Dissolved Cadmium	0.238	mg/L	1	0.250	<0.00140	95	72.1 - 99.8	0	20
Dissolved Cobalt	0.237	mg/L	1	0.250	<0.00220	95	84.8 - 101	1	20
Dissolved Chromium	0.0990	mg/L	1	0.100	<0.000900	99	69.3 - 122	0	20
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	75.7 - 119	2	20
Dissolved Nickel	0.237	mg/L	1	0.250	<0.00190	95	79.9 - 105	0	20
Dissolved Lead	0.486	mg/L	1	0.500	<0.00740	97	75 - 111	4	20
Dissolved Antimony	0.246	mg/L	1	0.250	<0.0166	98	74.1 - 109	0	20
Dissolved Selenium	0.430	mg/L	1	0.500	<0.0131	86	77 - 99.3	13	20
Dissolved Tin	0.296	mg/L	1	0.300	<0.0124	99	66 - 127	2	20

continued ...

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Thallium	0.428	mg/L	1	0.500	<0.0189	86	71.8 - 110	2	20
Dissolved Vanadium	0.257	mg/L	1	0.250	0.004	101	89.1 - 110	0	20
Dissolved Zinc	0.266	mg/L	1	0.250	<0.00710	106	79.7 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128006

QC Batch: 38497 Date Analyzed: 2007-06-25 Analyzed By: RR
Prep Batch: 33307 QC Preparation: 2007-06-25 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.115	mg/L	1	0.125	<0.00210	92	78.4 - 116
Dissolved Arsenic	0.504	mg/L	1	0.500	<0.00430	101	84.4 - 117
Dissolved Barium	1.03	mg/L	1	1.00	0.124	91	68.7 - 115
Dissolved Beryllium	0.0210	mg/L	1	0.0250	<0.00220	84	72.1 - 121
Dissolved Cadmium	0.233	mg/L	1	0.250	<0.00140	93	72.1 - 99.8
Dissolved Cobalt	0.240	mg/L	1	0.250	<0.00220	96	84.8 - 101
Dissolved Chromium	0.0990	mg/L	1	0.100	<0.000900	99	69.3 - 122
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	75.7 - 119
Dissolved Nickel	0.262	mg/L	1	0.250	0.026	94	79.9 - 105
Dissolved Lead	0.490	mg/L	1	0.500	<0.00740	98	75 - 111
Dissolved Antimony	0.242	mg/L	1	0.250	<0.0166	97	74.1 - 109
Dissolved Selenium	0.497	mg/L	1	0.500	<0.0131	99	77 - 99.3
Dissolved Tin	0.293	mg/L	1	0.300	<0.0124	98	66 - 127
Dissolved Thallium	0.467	mg/L	1	0.500	<0.0189	93	71.8 - 110
Dissolved Vanadium	0.259	mg/L	1	0.250	0.008	100	89.1 - 110
Dissolved Zinc	0.273	mg/L	1	0.250	0.024	100	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.128	mg/L	1	0.125	<0.00210	102	78.4 - 116	11	20
Dissolved Arsenic	0.516	mg/L	1	0.500	<0.00430	103	84.4 - 117	2	20
Dissolved Barium	1.08	mg/L	1	1.00	0.124	96	68.7 - 115	5	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121	13	20
Dissolved Cadmium	0.246	mg/L	1	0.250	<0.00140	98	72.1 - 99.8	5	20
Dissolved Cobalt	0.249	mg/L	1	0.250	<0.00220	100	84.8 - 101	4	20
Dissolved Chromium	0.101	mg/L	1	0.100	<0.000900	101	69.3 - 122	2	20
Dissolved Copper	0.133	mg/L	1	0.125	<0.00140	106	75.7 - 119	9	20
Dissolved Nickel	0.279	mg/L	1	0.250	0.026	101	79.9 - 105	6	20
Dissolved Lead	0.530	mg/L	1	0.500	<0.00740	106	75 - 111	8	20
Dissolved Antimony	0.243	mg/L	1	0.250	<0.0166	97	74.1 - 109	0	20
Dissolved Selenium	0.478	mg/L	1	0.500	<0.0131	96	77 - 99.3	4	20
Dissolved Tin	0.301	mg/L	1	0.300	<0.0124	100	66 - 127	3	20
Dissolved Thallium	0.509	mg/L	1	0.500	<0.0189	102	71.8 - 110	9	20
Dissolved Vanadium	0.257	mg/L	1	0.250	0.008	100	89.1 - 110	1	20
Dissolved Zinc	0.274	mg/L	1	0.250	0.024	100	79.7 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128957

QC Batch: 38756 | Date Analyzed: 2007-07-04 | Analyzed By: RR
Prep Batch: 33498 | QC Preparation: 2007-07-02 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.124	mg/L	1	0.125	<0.00210	99	78.4 - 116
Dissolved Arsenic	0.495	mg/L	1	0.500	<0.00430	99	84.4 - 117
Dissolved Barium	1.06	mg/L	1	1.00	0.073	99	68.7 - 115
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121
Dissolved Cadmium	0.244	mg/L	1	0.250	<0.00140	98	72.1 - 99.8
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00220	98	84.8 - 101
Dissolved Chromium	0.0950	mg/L	1	0.100	<0.000900	95	69.3 - 122
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	75.7 - 119
Dissolved Nickel	0.253	mg/L	1	0.250	<0.00190	101	79.9 - 105
Dissolved Lead	0.509	mg/L	1	0.500	<0.00740	102	75 - 111
Dissolved Antimony	0.252	mg/L	1	0.250	<0.0166	101	74.1 - 109
Dissolved Selenium	0.425	mg/L	1	0.500	<0.0131	85	77 - 99.3
Dissolved Tin	0.304	mg/L	1	0.300	<0.0124	101	66 - 127
Dissolved Thallium	0.530	mg/L	1	0.500	<0.0189	106	71.8 - 110
Dissolved Vanadium	0.259	mg/L	1	0.250	<0.00150	104	89.1 - 110
Dissolved Zinc	0.299	mg/L	1	0.250	0.031	107	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	78.4 - 116	1	20
Dissolved Arsenic	0.515	mg/L	1	0.500	<0.00430	103	84.4 - 117	4	20
Dissolved Barium	1.05	mg/L	1	1.00	0.073	98	68.7 - 115	1	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121	4	20
Dissolved Cadmium	0.244	mg/L	1	0.250	<0.00140	98	72.1 - 99.8	0	20
Dissolved Cobalt	0.248	mg/L	1	0.250	<0.00220	99	84.8 - 101	1	20
Dissolved Chromium	0.0950	mg/L	1	0.100	<0.000900	95	69.3 - 122	0	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	75.7 - 119	0	20
Dissolved Nickel	0.248	mg/L	1	0.250	<0.00190	99	79.9 - 105	2	20
Dissolved Lead	0.468	mg/L	1	0.500	<0.00740	94	75 - 111	8	20
Dissolved Antimony	0.246	mg/L	1	0.250	<0.0166	98	74.1 - 109	2	20
Dissolved Selenium	0.458	mg/L	1	0.500	<0.0131	92	77 - 99.3	8	20
Dissolved Tin	0.298	mg/L	1	0.300	<0.0124	99	66 - 127	2	20
Dissolved Thallium	0.530	mg/L	1	0.500	<0.0189	106	71.8 - 110	0	20
Dissolved Vanadium	0.258	mg/L	1	0.250	<0.00150	103	89.1 - 110	0	20
Dissolved Zinc	0.260	mg/L	1	0.250	0.031	92	79.7 - 109	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128696

QC Batch: 38760 | Date Analyzed: 2007-07-04 | Analyzed By: RR
Prep Batch: 33486 | QC Preparation: 2007-07-02 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.122	mg/L	1	0.125	<0.00210	98	78.4 - 116
Dissolved Arsenic	0.463	mg/L	1	0.500	<0.00430	93	84.4 - 117
Dissolved Barium	1.02	mg/L	1	1.00	0.079	94	68.7 - 115
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	72.1 - 121
Dissolved Cadmium	0.235	mg/L	1	0.250	<0.00140	94	72.1 - 99.8
Dissolved Cobalt	0.238	mg/L	1	0.250	<0.00220	95	84.8 - 101
Dissolved Chromium	0.0930	mg/L	1	0.100	<0.000900	93	69.3 - 122
Dissolved Copper	0.125	mg/L	1	0.125	<0.00140	100	75.7 - 119
Dissolved Nickel	0.242	mg/L	1	0.250	<0.00190	97	79.9 - 105
Dissolved Lead	0.484	mg/L	1	0.500	<0.00740	97	75 - 111
Dissolved Antimony	0.250	mg/L	1	0.250	<0.0166	100	74.1 - 109
Dissolved Selenium	0.473	mg/L	1	0.500	<0.0131	95	77 - 99.3
Dissolved Tin	0.268	mg/L	1	0.300	<0.0124	89	66 - 127
Dissolved Thallium	0.522	mg/L	1	0.500	<0.0189	104	71.8 - 110
Dissolved Vanadium	0.246	mg/L	1	0.250	<0.00150	98	89.1 - 110
Dissolved Zinc	0.260	mg/L	1	0.250	0.023	95	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.121	mg/L	1	0.125	<0.00210	97	78.4 - 116	1	20
Dissolved Arsenic	0.479	mg/L	1	0.500	<0.00430	96	84.4 - 117	3	20
Dissolved Barium	1.04	mg/L	1	1.00	0.079	96	68.7 - 115	2	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121	4	20
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.00140	94	72.1 - 99.8	0	20
Dissolved Cobalt	0.243	mg/L	1	0.250	<0.00220	97	84.8 - 101	2	20
Dissolved Chromium	0.0950	mg/L	1	0.100	<0.000900	95	69.3 - 122	2	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	75.7 - 119	2	20
Dissolved Nickel	0.242	mg/L	1	0.250	<0.00190	97	79.9 - 105	0	20
Dissolved Lead	0.486	mg/L	1	0.500	<0.00740	97	75 - 111	0	20
Dissolved Antimony	0.232	mg/L	1	0.250	<0.0166	93	74.1 - 109	8	20
Dissolved Selenium	0.492	mg/L	1	0.500	<0.0131	98	77 - 99.3	4	20
Dissolved Tin	0.291	mg/L	1	0.300	<0.0124	97	66 - 127	8	20
Dissolved Thallium	0.517	mg/L	1	0.500	<0.0189	103	71.8 - 110	1	20
Dissolved Vanadium	0.253	mg/L	1	0.250	<0.00150	101	89.1 - 110	3	20
Dissolved Zinc	0.265	mg/L	1	0.250	0.023	97	79.7 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129153

QC Batch: 38964 Date Analyzed: 2007-07-11 Analyzed By: RR
Prep Batch: 33610 QC Preparation: 2007-07-06 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	78.4 - 116
Dissolved Arsenic	0.494	mg/L	1	0.500	<0.00430	99	84.4 - 117
Dissolved Barium	1.04	mg/L	1	1.00	0.02	102	68.7 - 115
Dissolved Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	72.1 - 121

continued ...

matrix spikes continued . . .

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium		0.247	mg/L	1	0.250	<0.00140	99	72.1 - 99.8
Dissolved Cobalt	[18]	0.259	mg/L	1	0.250	<0.00220	104	84.8 - 101
Dissolved Chromium		0.104	mg/L	1	0.100	<0.000900	104	69.3 - 122
Dissolved Copper		0.133	mg/L	1	0.125	<0.00140	106	75.7 - 119
Dissolved Nickel	[19]	0.265	mg/L	1	0.250	<0.00190	106	79.9 - 105
Dissolved Lead		0.523	mg/L	1	0.500	<0.00740	105	75 - 111
Dissolved Antimony		0.225	mg/L	1	0.250	<0.0166	90	74.1 - 109
Dissolved Selenium		0.450	mg/L	1	0.500	<0.0131	90	77 - 99.3
Dissolved Tin		0.302	mg/L	1	0.300	<0.0124	101	66 - 127
Dissolved Thallium		0.452	mg/L	1	0.500	<0.0189	90	71.8 - 110
Dissolved Vanadium		0.265	mg/L	1	0.250	0.007	103	89.1 - 110
Dissolved Zinc		0.269	mg/L	1	0.250	0.01	104	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver		0.125	mg/L	1	0.125	<0.00210	100	78.4 - 116	0	20
Dissolved Arsenic		0.468	mg/L	1	0.500	<0.00430	94	84.4 - 117	5	20
Dissolved Barium		1.04	mg/L	1	1.00	0.02	102	68.7 - 115	0	20
Dissolved Beryllium		0.0250	mg/L	1	0.0250	<0.00220	100	72.1 - 121	0	20
Dissolved Cadmium		0.248	mg/L	1	0.250	<0.00140	99	72.1 - 99.8	0	20
Dissolved Cobalt	[20]	0.259	mg/L	1	0.250	<0.00220	104	84.8 - 101	0	20
Dissolved Chromium		0.106	mg/L	1	0.100	<0.000900	106	69.3 - 122	2	20
Dissolved Copper		0.133	mg/L	1	0.125	<0.00140	106	75.7 - 119	0	20
Dissolved Nickel		0.260	mg/L	1	0.250	<0.00190	104	79.9 - 105	2	20
Dissolved Lead		0.526	mg/L	1	0.500	<0.00740	105	75 - 111	1	20
Dissolved Antimony		0.233	mg/L	1	0.250	<0.0166	93	74.1 - 109	4	20
Dissolved Selenium	[21]	0.500	mg/L	1	0.500	<0.0131	100	77 - 99.3	10	20
Dissolved Tin		0.286	mg/L	1	0.300	<0.0124	95	66 - 127	5	20
Dissolved Thallium		0.506	mg/L	1	0.500	<0.0189	101	71.8 - 110	11	20
Dissolved Vanadium		0.277	mg/L	1	0.250	0.007	108	89.1 - 110	4	20
Dissolved Zinc		0.272	mg/L	1	0.250	0.01	105	79.7 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129834

QC Batch: 39111 | Date Analyzed: 2007-07-16 | Analyzed By: RR
Prep Batch: 33843 | QC Preparation: 2007-07-16 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.00210	94	78.4 - 116
Dissolved Arsenic	0.504	mg/L	1	0.500	<0.00430	101	84.4 - 117
Dissolved Barium	1.02	mg/L	1	1.00	0.067	95	68.7 - 115
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121

continued . . .

[18] Recovery within method limits limits but outside control chart limits. •
[19] Recovery within method limits limits but outside control chart limits. •
[20] Recovery within method limits but outside control chart limits. •
[21] Recovery within method limits limits but outside control chart limits. •

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.233	mg/L	1	0.250	<0.00140	93	72.1 - 99.8
Dissolved Cobalt	0.242	mg/L	1	0.250	<0.00220	97	84.8 - 101
Dissolved Chromium	0.0920	mg/L	1	0.100	<0.000900	92	69.3 - 122
Dissolved Copper	0.123	mg/L	1	0.125	<0.00140	98	75.7 - 119
Dissolved Nickel	0.245	mg/L	1	0.250	<0.00190	98	79.9 - 105
Dissolved Lead	0.476	mg/L	1	0.500	<0.00740	95	75 - 111
Dissolved Antimony	0.246	mg/L	1	0.250	<0.0166	98	74.1 - 109
Dissolved Selenium [22]	0.504	mg/L	1	0.500	<0.0131	101	77 - 99.3
Dissolved Tin	0.267	mg/L	1	0.300	<0.0124	89	66 - 127
Dissolved Thallium	0.480	mg/L	1	0.500	<0.0189	96	71.8 - 110
Dissolved Vanadium	0.240	mg/L	1	0.250	<0.00150	96	89.1 - 110
Dissolved Zinc	0.256	mg/L	1	0.250	0.03	90	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.00210	94	78.4 - 116	0	20
Dissolved Arsenic	0.506	mg/L	1	0.500	<0.00430	101	84.4 - 117	0	20
Dissolved Barium	1.03	mg/L	1	1.00	0.067	96	68.7 - 115	1	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121	0	20
Dissolved Cadmium	0.232	mg/L	1	0.250	<0.00140	93	72.1 - 99.8	0	20
Dissolved Cobalt	0.234	mg/L	1	0.250	<0.00220	94	84.8 - 101	3	20
Dissolved Chromium	0.0930	mg/L	1	0.100	<0.000900	93	69.3 - 122	1	20
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	75.7 - 119	1	20
Dissolved Nickel	0.241	mg/L	1	0.250	<0.00190	96	79.9 - 105	2	20
Dissolved Lead	0.492	mg/L	1	0.500	<0.00740	98	75 - 111	3	20
Dissolved Antimony	0.236	mg/L	1	0.250	<0.0166	94	74.1 - 109	4	20
Dissolved Selenium	0.496	mg/L	1	0.500	<0.0131	99	77 - 99.3	2	20
Dissolved Tin	0.282	mg/L	1	0.300	<0.0124	94	66 - 127	6	20
Dissolved Thallium	0.449	mg/L	1	0.500	<0.0189	90	71.8 - 110	7	20
Dissolved Vanadium	0.246	mg/L	1	0.250	<0.00150	98	89.1 - 110	2	20
Dissolved Zinc	0.255	mg/L	1	0.250	0.03	90	79.7 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39257 Date Analyzed: 2007-07-20 Analyzed By: RR
Prep Batch: 33968 QC Preparation: 2007-07-19 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.122	mg/L	1	0.125	<0.00210	98	78.4 - 116
Dissolved Arsenic	0.448	mg/L	1	0.500	<0.00430	90	84.4 - 117
Dissolved Barium	1.04	mg/L	1	1.00	0.055	98	68.7 - 115
Dissolved Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	72.1 - 121
Dissolved Cadmium	0.232	mg/L	1	0.250	<0.00140	93	72.1 - 99.8
Dissolved Cobalt	0.235	mg/L	1	0.250	<0.00220	94	84.8 - 101

continued . . .

[22] Recovery within method limits but outside control chart limits. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.102	mg/L	1	0.100	<0.000900	102	69.3 - 122
Dissolved Copper	0.121	mg/L	1	0.125	<0.00140	97	75.7 - 119
Dissolved Nickel	0.236	mg/L	1	0.250	<0.00190	94	79.9 - 105
Dissolved Lead	0.484	mg/L	1	0.500	<0.00740	97	75 - 111
Dissolved Antimony	0.232	mg/L	1	0.250	<0.0166	93	74.1 - 109
Dissolved Selenium	0.421	mg/L	1	0.500	<0.0131	84	77 - 99.3
Dissolved Tin	0.281	mg/L	1	0.300	<0.0124	94	66 - 127
Dissolved Thallium	0.453	mg/L	1	0.500	<0.0189	91	71.8 - 110
Dissolved Vanadium	0.244	mg/L	1	0.250	<0.00150	98	89.1 - 110
Dissolved Zinc	0.231	mg/L	1	0.250	<0.00710	92	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.121	mg/L	1	0.125	<0.00210	97	78.4 - 116	1	20
Dissolved Arsenic	0.452	mg/L	1	0.500	<0.00430	90	84.4 - 117	1	20
Dissolved Barium	1.04	mg/L	1	1.00	0.055	98	68.7 - 115	0	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121	4	20
Dissolved Cadmium	0.231	mg/L	1	0.250	<0.00140	92	72.1 - 99.8	0	20
Dissolved Cobalt	0.237	mg/L	1	0.250	<0.00220	95	84.8 - 101	1	20
Dissolved Chromium	0.102	mg/L	1	0.100	<0.000900	102	69.3 - 122	0	20
Dissolved Copper	0.122	mg/L	1	0.125	<0.00140	98	75.7 - 119	1	20
Dissolved Nickel	0.239	mg/L	1	0.250	<0.00190	96	79.9 - 105	1	20
Dissolved Lead	0.484	mg/L	1	0.500	<0.00740	97	75 - 111	0	20
Dissolved Antimony	0.221	mg/L	1	0.250	<0.0166	88	74.1 - 109	5	20
Dissolved Selenium	0.425	mg/L	1	0.500	<0.0131	85	77 - 99.3	1	20
Dissolved Tin	0.281	mg/L	1	0.300	<0.0124	94	66 - 127	0	20
Dissolved Thallium	0.465	mg/L	1	0.500	<0.0189	93	71.8 - 110	3	20
Dissolved Vanadium	0.246	mg/L	1	0.250	<0.00150	98	89.1 - 110	1	20
Dissolved Zinc	0.231	mg/L	1	0.250	<0.00710	92	79.7 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130461

QC Batch: 39363 Date Analyzed: 2007-07-24 Analyzed By: RR
Prep Batch: 34057 QC Preparation: 2007-07-24 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	78.4 - 116
Dissolved Arsenic	0.479	mg/L	1	0.500	<0.00430	96	84.4 - 117
Dissolved Barium	1.09	mg/L	1	1.00	0.066	102	68.7 - 115
Dissolved Beryllium	0.0255	mg/L	1	0.0250	<0.00220	102	72.1 - 121
Dissolved Cadmium	0.240	mg/L	1	0.250	<0.00140	96	72.1 - 99.8
Dissolved Cobalt	0.248	mg/L	1	0.250	<0.00220	99	84.8 - 101
Dissolved Chromium	0.107	mg/L	1	0.100	<0.000900	107	69.3 - 122
Dissolved Copper	0.129	mg/L	1	0.125	<0.00140	103	75.7 - 119
Dissolved Nickel	0.248	mg/L	1	0.250	<0.00190	99	79.9 - 105

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.504	mg/L	1	0.500	<0.00740	101	75 - 111
Dissolved Antimony	0.219	mg/L	1	0.250	<0.0166	88	74.1 - 109
Dissolved Selenium	0.413	mg/L	1	0.500	<0.0131	83	77 - 99.3
Dissolved Tin	0.296	mg/L	1	0.300	<0.0124	99	66 - 127
Dissolved Thallium	0.478	mg/L	1	0.500	<0.0189	96	71.8 - 110
Dissolved Vanadium	0.253	mg/L	1	0.250	0.005	99	89.1 - 110
Dissolved Zinc	0.258	mg/L	1	0.250	0.023	94	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.123	mg/L	1	0.125	<0.00210	98	78.4 - 116	2	20
Dissolved Arsenic	0.468	mg/L	1	0.500	<0.00430	94	84.4 - 117	2	20
Dissolved Barium	1.08	mg/L	1	1.00	0.066	101	68.7 - 115	1	20
Dissolved Beryllium	0.0253	mg/L	1	0.0250	<0.00220	101	72.1 - 121	1	20
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.00140	94	72.1 - 99.8	2	20
Dissolved Cobalt	0.245	mg/L	1	0.250	<0.00220	98	84.8 - 101	1	20
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	69.3 - 122	1	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00140	102	75.7 - 119	1	20
Dissolved Nickel	0.244	mg/L	1	0.250	<0.00190	98	79.9 - 105	2	20
Dissolved Lead	0.498	mg/L	1	0.500	<0.00740	100	75 - 111	1	20
Dissolved Antimony	0.231	mg/L	1	0.250	<0.0166	92	74.1 - 109	5	20
Dissolved Selenium	0.402	mg/L	1	0.500	<0.0131	80	77 - 99.3	3	20
Dissolved Tin	0.292	mg/L	1	0.300	<0.0124	97	66 - 127	1	20
Dissolved Thallium	0.472	mg/L	1	0.500	<0.0189	94	71.8 - 110	1	20
Dissolved Vanadium	0.249	mg/L	1	0.250	0.005	98	89.1 - 110	2	20
Dissolved Zinc	0.251	mg/L	1	0.250	0.023	91	79.7 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130858

QC Batch: 39450 Date Analyzed: 2007-07-27 Analyzed By: RR
Prep Batch: 34138 QC Preparation: 2007-07-26 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	78.4 - 116
Dissolved Arsenic	0.471	mg/L	1	0.500	<0.00430	94	84.4 - 117
Dissolved Barium	1.02	mg/L	1	1.00	<0.00170	102	68.7 - 115
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121
Dissolved Cadmium	0.241	mg/L	1	0.250	<0.00140	96	72.1 - 99.8
Dissolved Cobalt	0.251	mg/L	1	0.250	<0.00220	100	84.8 - 101
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	69.3 - 122
Dissolved Copper	0.125	mg/L	1	0.125	<0.00140	100	75.7 - 119
Dissolved Nickel	0.254	mg/L	1	0.250	<0.00190	102	79.9 - 105
Dissolved Lead	0.497	mg/L	1	0.500	<0.00740	99	75 - 111
Dissolved Antimony	0.239	mg/L	1	0.250	<0.0166	96	74.1 - 109
Dissolved Selenium	0.390	mg/L	1	0.500	<0.0131	78	77 - 99.3

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Tin	0.295	mg/L	1	0.300	<0.0124	98	66 - 127
Dissolved Thallium	0.492	mg/L	1	0.500	<0.0189	98	71.8 - 110
Dissolved Vanadium	0.242	mg/L	1	0.250	<0.00150	97	89.1 - 110
Dissolved Zinc	0.260	mg/L	1	0.250	0.033	91	79.7 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.124	mg/L	1	0.125	<0.00210	99	78.4 - 116	1	20
Dissolved Arsenic	0.468	mg/L	1	0.500	<0.00430	94	84.4 - 117	1	20
Dissolved Barium	1.01	mg/L	1	1.00	<0.00170	101	68.7 - 115	1	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	72.1 - 121	4	20
Dissolved Cadmium	0.239	mg/L	1	0.250	<0.00140	96	72.1 - 99.8	1	20
Dissolved Cobalt	0.249	mg/L	1	0.250	<0.00220	100	84.8 - 101	1	20
Dissolved Chromium	0.104	mg/L	1	0.100	<0.000900	104	69.3 - 122	0	20
Dissolved Copper	0.124	mg/L	1	0.125	<0.00140	99	75.7 - 119	1	20
Dissolved Nickel	0.252	mg/L	1	0.250	<0.00190	101	79.9 - 105	1	20
Dissolved Lead	0.495	mg/L	1	0.500	<0.00740	99	75 - 111	0	20
Dissolved Antimony	0.241	mg/L	1	0.250	<0.0166	96	74.1 - 109	1	20
Dissolved Selenium	0.399	mg/L	1	0.500	<0.0131	80	77 - 99.3	2	20
Dissolved Tin	0.293	mg/L	1	0.300	<0.0124	98	66 - 127	1	20
Dissolved Thallium	0.489	mg/L	1	0.500	<0.0189	98	71.8 - 110	1	20
Dissolved Vanadium	0.240	mg/L	1	0.250	<0.00150	96	89.1 - 110	1	20
Dissolved Zinc	0.257	mg/L	1	0.250	0.033	90	79.7 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38045 Date Analyzed: 2007-06-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-06-11
Dissolved Arsenic		mg/L	1.00	0.947	95	90 - 110	2007-06-11
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-06-11
Dissolved Beryllium		mg/L	1.00	0.990	99	90 - 110	2007-06-11
Dissolved Cadmium		mg/L	1.00	1.01	101	95 - 105	2007-06-11
Dissolved Cobalt		mg/L	1.00	0.989	99	90 - 110	2007-06-11
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-06-11
Dissolved Copper		mg/L	1.00	1.00	100	90 - 110	2007-06-11
Dissolved Nickel		mg/L	1.00	0.989	99	90 - 110	2007-06-11
Dissolved Lead		mg/L	1.00	0.993	99	90 - 110	2007-06-11
Dissolved Antimony		mg/L	1.00	1.05	105	90 - 110	2007-06-11
Dissolved Selenium		mg/L	1.00	0.937	94	90 - 110	2007-06-11
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-06-11
Dissolved Thallium		mg/L	1.00	1.01	101	90 - 110	2007-06-11
Dissolved Vanadium		mg/L	1.00	1.04	104	95 - 105	2007-06-11
Dissolved Zinc		mg/L	1.00	0.976	98	90 - 110	2007-06-11

Standard (CCV-1)

QC Batch: 38045 Date Analyzed: 2007-06-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-06-11
Dissolved Arsenic		mg/L	1.00	0.952	95	90 - 110	2007-06-11
Dissolved Barium		mg/L	1.00	1.02	102	90 - 110	2007-06-11
Dissolved Beryllium		mg/L	1.00	0.990	99	90 - 110	2007-06-11
Dissolved Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-06-11
Dissolved Cobalt		mg/L	1.00	0.996	100	90 - 110	2007-06-11
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-06-11
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2007-06-11
Dissolved Nickel		mg/L	1.00	1.00	100	90 - 110	2007-06-11
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-06-11
Dissolved Antimony		mg/L	1.00	0.991	99	90 - 110	2007-06-11
Dissolved Selenium		mg/L	1.00	1.07	107	90 - 110	2007-06-11
Dissolved Tin		mg/L	1.00	1.04	104	90 - 110	2007-06-11
Dissolved Thallium		mg/L	1.00	0.982	98	90 - 110	2007-06-11
Dissolved Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-06-11
Dissolved Zinc		mg/L	1.00	0.984	98	90 - 110	2007-06-11

Standard (ICV-1)

QC Batch: 38183 Date Analyzed: 2007-06-15 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-06-15
Dissolved Arsenic		mg/L	1.00	0.981	98	90 - 110	2007-06-15
Dissolved Barium		mg/L	1.00	0.983	98	90 - 110	2007-06-15
Dissolved Beryllium		mg/L	1.00	0.968	97	90 - 110	2007-06-15
Dissolved Cadmium		mg/L	1.00	1.02	102	95 - 105	2007-06-15
Dissolved Cobalt		mg/L	1.00	0.975	98	90 - 110	2007-06-15
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-06-15
Dissolved Copper		mg/L	1.00	0.974	97	90 - 110	2007-06-15
Dissolved Nickel		mg/L	1.00	0.966	97	90 - 110	2007-06-15
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Antimony		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Selenium		mg/L	1.00	0.964	96	90 - 110	2007-06-15
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-06-15
Dissolved Thallium		mg/L	1.00	0.960	96	90 - 110	2007-06-15
Dissolved Vanadium		mg/L	1.00	0.957	96	95 - 105	2007-06-15
Dissolved Zinc		mg/L	1.00	0.960	96	90 - 110	2007-06-15

Standard (CCV-1)

QC Batch: 38183 Date Analyzed: 2007-06-15 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.129	103	90 - 110	2007-06-15
Dissolved Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Barium		mg/L	1.00	1.05	105	90 - 110	2007-06-15
Dissolved Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Cadmium		mg/L	1.00	1.07	107	90 - 110	2007-06-15
Dissolved Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Chromium		mg/L	1.00	1.06	106	90 - 110	2007-06-15
Dissolved Copper		mg/L	1.00	1.03	103	90 - 110	2007-06-15
Dissolved Nickel		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-06-15
Dissolved Antimony		mg/L	1.00	1.04	104	90 - 110	2007-06-15
Dissolved Selenium		mg/L	1.00	1.02	102	90 - 110	2007-06-15
Dissolved Tin		mg/L	1.00	1.03	103	90 - 110	2007-06-15
Dissolved Thallium		mg/L	1.00	1.05	105	90 - 110	2007-06-15
Dissolved Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-06-15
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-06-15

Standard (ICV-1)

QC Batch: 38320 Date Analyzed: 2007-06-19 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-06-19
Dissolved Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-06-19
Dissolved Barium		mg/L	1.00	1.00	100	90 - 110	2007-06-19
Dissolved Beryllium		mg/L	1.00	0.985	98	90 - 110	2007-06-19
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-06-19
Dissolved Cobalt		mg/L	1.00	0.990	99	90 - 110	2007-06-19
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Copper		mg/L	1.00	0.987	99	90 - 110	2007-06-19
Dissolved Nickel		mg/L	1.00	0.983	98	90 - 110	2007-06-19
Dissolved Lead		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Antimony		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Selenium		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Thallium		mg/L	1.00	0.997	100	90 - 110	2007-06-19
Dissolved Vanadium		mg/L	1.00	0.968	97	95 - 105	2007-06-19
Dissolved Zinc		mg/L	1.00	0.975	98	90 - 110	2007-06-19

Standard (CCV-1)

QC Batch: 38320 Date Analyzed: 2007-06-19 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.128	102	90 - 110	2007-06-19

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	1.05	105	90 - 110	2007-06-19
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2007-06-19
Dissolved Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Cadmium		mg/L	1.00	1.06	106	90 - 110	2007-06-19
Dissolved Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-06-19
Dissolved Chromium		mg/L	1.00	1.05	105	90 - 110	2007-06-19
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Nickel		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-06-19
Dissolved Antimony		mg/L	1.00	0.996	100	90 - 110	2007-06-19
Dissolved Selenium		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Dissolved Tin		mg/L	1.00	1.04	104	90 - 110	2007-06-19
Dissolved Thallium		mg/L	1.00	0.971	97	90 - 110	2007-06-19
Dissolved Vanadium		mg/L	1.00	0.996	100	90 - 110	2007-06-19
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-06-19

Standard (ICV-1)

QC Batch: 38353 Date Analyzed: 2007-06-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-06-20
Dissolved Arsenic		mg/L	1.00	0.946	95	90 - 110	2007-06-20
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-06-20
Dissolved Beryllium		mg/L	1.00	0.991	99	90 - 110	2007-06-20
Dissolved Cadmium		mg/L	1.00	1.05	105	95 - 105	2007-06-20
Dissolved Cobalt		mg/L	1.00	0.990	99	90 - 110	2007-06-20
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-06-20
Dissolved Copper		mg/L	1.00	0.990	99	90 - 110	2007-06-20
Dissolved Nickel		mg/L	1.00	0.983	98	90 - 110	2007-06-20
Dissolved Lead		mg/L	1.00	1.04	104	90 - 110	2007-06-20
Dissolved Antimony		mg/L	1.00	0.939	94	90 - 110	2007-06-20
Dissolved Selenium		mg/L	1.00	0.900	90	90 - 110	2007-06-20
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-06-20
Dissolved Thallium		mg/L	1.00	1.00	100	90 - 110	2007-06-20
Dissolved Vanadium		mg/L	1.00	1.01	101	95 - 105	2007-06-20
Dissolved Zinc		mg/L	1.00	0.980	98	90 - 110	2007-06-20

Standard (CCV-1)

QC Batch: 38353 Date Analyzed: 2007-06-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-06-20

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.962	96	90 - 110	2007-06-20
Dissolved Barium		mg/L	1.00	0.997	100	90 - 110	2007-06-20
Dissolved Beryllium		mg/L	1.00	0.995	100	90 - 110	2007-06-20
Dissolved Cadmium		mg/L	1.00	1.06	106	90 - 110	2007-06-20
Dissolved Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-06-20
Dissolved Chromium		mg/L	1.00	1.04	104	90 - 110	2007-06-20
Dissolved Copper		mg/L	1.00	0.997	100	90 - 110	2007-06-20
Dissolved Nickel		mg/L	1.00	0.995	100	90 - 110	2007-06-20
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-06-20
Dissolved Antimony		mg/L	1.00	0.995	100	90 - 110	2007-06-20
Dissolved Selenium		mg/L	1.00	1.06	106	90 - 110	2007-06-20
Dissolved Tin		mg/L	1.00	0.987	99	90 - 110	2007-06-20
Dissolved Thallium		mg/L	1.00	0.942	94	90 - 110	2007-06-20
Dissolved Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-06-20
Dissolved Zinc		mg/L	1.00	0.987	99	90 - 110	2007-06-20

Standard (ICV-1)

QC Batch: 38497 Date Analyzed: 2007-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-06-25
Dissolved Arsenic		mg/L	1.00	1.03	103	90 - 110	2007-06-25
Dissolved Barium		mg/L	1.00	0.987	99	90 - 110	2007-06-25
Dissolved Beryllium		mg/L	1.00	0.984	98	90 - 110	2007-06-25
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-06-25
Dissolved Cobalt		mg/L	1.00	0.976	98	90 - 110	2007-06-25
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-06-25
Dissolved Copper		mg/L	1.00	0.979	98	90 - 110	2007-06-25
Dissolved Nickel		mg/L	1.00	0.980	98	90 - 110	2007-06-25
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-06-25
Dissolved Antimony		mg/L	1.00	1.01	101	90 - 110	2007-06-25
Dissolved Selenium		mg/L	1.00	0.986	99	90 - 110	2007-06-25
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-06-25
Dissolved Thallium		mg/L	1.00	1.00	100	90 - 110	2007-06-25
Dissolved Vanadium		mg/L	1.00	1.01	101	95 - 105	2007-06-25
Dissolved Zinc		mg/L	1.00	0.964	96	90 - 110	2007-06-25

Standard (CCV-1)

QC Batch: 38497 Date Analyzed: 2007-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.121	97	90 - 110	2007-06-25

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.966	97	90 - 110	2007-06-25
Dissolved Barium		mg/L	1.00	0.930	93	90 - 110	2007-06-25
Dissolved Beryllium		mg/L	1.00	0.958	96	90 - 110	2007-06-25
Dissolved Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-06-25
Dissolved Cobalt		mg/L	1.00	0.974	97	90 - 110	2007-06-25
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-06-25
Dissolved Copper		mg/L	1.00	0.954	95	90 - 110	2007-06-25
Dissolved Nickel		mg/L	1.00	0.981	98	90 - 110	2007-06-25
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-06-25
Dissolved Antimony		mg/L	1.00	0.924	92	90 - 110	2007-06-25
Dissolved Selenium		mg/L	1.00	0.978	98	90 - 110	2007-06-25
Dissolved Tin		mg/L	1.00	0.975	98	90 - 110	2007-06-25
Dissolved Thallium		mg/L	1.00	0.961	96	90 - 110	2007-06-25
Dissolved Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-06-25
Dissolved Zinc		mg/L	1.00	0.961	96	90 - 110	2007-06-25

Standard (ICV-1)

QC Batch: 38756 Date Analyzed: 2007-07-04 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-07-04
Dissolved Arsenic		mg/L	1.00	1.08	108	90 - 110	2007-07-04
Dissolved Barium		mg/L	1.00	1.00	100	90 - 110	2007-07-04
Dissolved Beryllium		mg/L	1.00	0.985	98	90 - 110	2007-07-04
Dissolved Cadmium		mg/L	1.00	1.04	104	95 - 105	2007-07-04
Dissolved Cobalt		mg/L	1.00	0.983	98	90 - 110	2007-07-04
Dissolved Chromium		mg/L	1.00	1.03	103	90 - 110	2007-07-04
Dissolved Copper		mg/L	1.00	0.992	99	90 - 110	2007-07-04
Dissolved Nickel		mg/L	1.00	0.975	98	90 - 110	2007-07-04
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-07-04
Dissolved Antimony		mg/L	1.00	1.06	106	90 - 110	2007-07-04
Dissolved Selenium		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Tin		mg/L	1.00	0.990	99	90 - 110	2007-07-04
Dissolved Thallium		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Vanadium		mg/L	1.00	0.973	97	95 - 105	2007-07-04
Dissolved Zinc		mg/L	1.00	0.973	97	90 - 110	2007-07-04

Standard (CCV-1)

QC Batch: 38756 Date Analyzed: 2007-07-04 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-07-04

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Barium		mg/L	1.00	1.02	102	90 - 110	2007-07-04
Dissolved Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Cadmium		mg/L	1.00	1.07	107	90 - 110	2007-07-04
Dissolved Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Chromium		mg/L	1.00	1.05	105	90 - 110	2007-07-04
Dissolved Copper		mg/L	1.00	1.02	102	90 - 110	2007-07-04
Dissolved Nickel		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Lead		mg/L	1.00	1.04	104	90 - 110	2007-07-04
Dissolved Antimony		mg/L	1.00	1.05	105	90 - 110	2007-07-04
Dissolved Selenium		mg/L	1.00	1.06	106	90 - 110	2007-07-04
Dissolved Tin		mg/L	1.00	1.03	103	90 - 110	2007-07-04
Dissolved Thallium		mg/L	1.00	1.05	105	90 - 110	2007-07-04
Dissolved Vanadium		mg/L	1.00	1.00	100	90 - 110	2007-07-04
Dissolved Zinc		mg/L	1.00	1.00	100	90 - 110	2007-07-04

Standard (ICV-1)

QC Batch: 38760 Date Analyzed: 2007-07-04 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-07-04
Dissolved Arsenic		mg/L	1.00	1.08	108	90 - 110	2007-07-04
Dissolved Barium		mg/L	1.00	1.00	100	90 - 110	2007-07-04
Dissolved Beryllium		mg/L	1.00	0.985	98	90 - 110	2007-07-04
Dissolved Cadmium		mg/L	1.00	1.05	105	95 - 105	2007-07-04
Dissolved Cobalt		mg/L	1.00	0.983	98	90 - 110	2007-07-04
Dissolved Chromium		mg/L	1.00	1.03	103	90 - 110	2007-07-04
Dissolved Copper		mg/L	1.00	0.992	99	90 - 110	2007-07-04
Dissolved Nickel		mg/L	1.00	0.975	98	90 - 110	2007-07-04
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-07-04
Dissolved Antimony		mg/L	1.00	1.06	106	90 - 110	2007-07-04
Dissolved Selenium		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Tin		mg/L	1.00	0.990	99	90 - 110	2007-07-04
Dissolved Thallium		mg/L	1.00	1.01	101	90 - 110	2007-07-04
Dissolved Vanadium		mg/L	1.00	0.973	97	95 - 105	2007-07-04
Dissolved Zinc		mg/L	1.00	0.973	97	90 - 110	2007-07-04

Standard (CCV-1)

QC Batch: 38760 Date Analyzed: 2007-07-04 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.119	95	90 - 110	2007-07-04

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.934	93	90 - 110	2007-07-04
Dissolved Barium		mg/L	1.00	0.944	94	90 - 110	2007-07-04
Dissolved Beryllium		mg/L	1.00	0.920	92	90 - 110	2007-07-04
Dissolved Cadmium		mg/L	1.00	0.977	98	90 - 110	2007-07-04
Dissolved Cobalt		mg/L	1.00	0.923	92	90 - 110	2007-07-04
Dissolved Chromium		mg/L	1.00	0.965	96	90 - 110	2007-07-04
Dissolved Copper		mg/L	1.00	0.918	92	90 - 110	2007-07-04
Dissolved Nickel		mg/L	1.00	0.921	92	90 - 110	2007-07-04
Dissolved Lead		mg/L	1.00	0.952	95	90 - 110	2007-07-04
Dissolved Antimony		mg/L	1.00	0.973	97	90 - 110	2007-07-04
Dissolved Selenium		mg/L	1.00	0.921	92	90 - 110	2007-07-04
Dissolved Tin		mg/L	1.00	0.946	95	90 - 110	2007-07-04
Dissolved Thallium		mg/L	1.00	0.935	94	90 - 110	2007-07-04
Dissolved Vanadium		mg/L	1.00	0.957	96	90 - 110	2007-07-04
Dissolved Zinc		mg/L	1.00	0.912	91	90 - 110	2007-07-04

Standard (ICV-1)

QC Batch: 38964 Date Analyzed: 2007-07-11 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-07-11
Dissolved Arsenic		mg/L	1.00	1.04	104	90 - 110	2007-07-11
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-07-11
Dissolved Beryllium		mg/L	1.00	0.995	100	90 - 110	2007-07-11
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-07-11
Dissolved Cobalt		mg/L	1.00	0.995	100	90 - 110	2007-07-11
Dissolved Chromium		mg/L	1.00	1.04	104	90 - 110	2007-07-11
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2007-07-11
Dissolved Nickel		mg/L	1.00	0.992	99	90 - 110	2007-07-11
Dissolved Lead		mg/L	1.00	1.03	103	90 - 110	2007-07-11
Dissolved Antimony		mg/L	1.00	0.990	99	90 - 110	2007-07-11
Dissolved Selenium		mg/L	1.00	1.04	104	90 - 110	2007-07-11
Dissolved Tin		mg/L	1.00	0.999	100	90 - 110	2007-07-11
Dissolved Thallium		mg/L	1.00	1.04	104	90 - 110	2007-07-11
Dissolved Vanadium		mg/L	1.00	1.04	104	95 - 105	2007-07-11
Dissolved Zinc		mg/L	1.00	0.983	98	90 - 110	2007-07-11

Standard (CCV-1)

QC Batch: 38964 Date Analyzed: 2007-07-11 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.130	104	90 - 110	2007-07-11

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	1.06	106	90 - 110	2007-07-11
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2007-07-11
Dissolved Beryllium		mg/L	1.00	1.03	103	90 - 110	2007-07-11
Dissolved Cadmium		mg/L	1.00	1.05	105	90 - 110	2007-07-11
Dissolved Cobalt		mg/L	1.00	1.03	103	90 - 110	2007-07-11
Dissolved Chromium		mg/L	1.00	1.07	107	90 - 110	2007-07-11
Dissolved Copper		mg/L	1.00	1.04	104	90 - 110	2007-07-11
Dissolved Nickel		mg/L	1.00	1.02	102	90 - 110	2007-07-11
Dissolved Lead		mg/L	1.00	1.05	105	90 - 110	2007-07-11
Dissolved Antimony		mg/L	1.00	1.05	105	90 - 110	2007-07-11
Dissolved Selenium		mg/L	1.00	0.993	99	90 - 110	2007-07-11
Dissolved Tin		mg/L	1.00	1.05	105	90 - 110	2007-07-11
Dissolved Thallium		mg/L	1.00	1.04	104	90 - 110	2007-07-11
Dissolved Vanadium		mg/L	1.00	1.02	102	90 - 110	2007-07-11
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-07-11

Standard (ICV-1)

QC Batch: 39111 Date Analyzed: 2007-07-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-07-16
Dissolved Arsenic		mg/L	1.00	0.961	96	90 - 110	2007-07-16
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-07-16
Dissolved Beryllium		mg/L	1.00	0.973	97	90 - 110	2007-07-16
Dissolved Cadmium		mg/L	1.00	1.04	104	95 - 105	2007-07-16
Dissolved Cobalt		mg/L	1.00	0.981	98	90 - 110	2007-07-16
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-07-16
Dissolved Copper		mg/L	1.00	0.988	99	90 - 110	2007-07-16
Dissolved Nickel		mg/L	1.00	0.974	97	90 - 110	2007-07-16
Dissolved Lead		mg/L	1.00	1.00	100	90 - 110	2007-07-16
Dissolved Antimony		mg/L	1.00	1.04	104	90 - 110	2007-07-16
Dissolved Selenium		mg/L	1.00	1.06	106	90 - 110	2007-07-16
Dissolved Tin		mg/L	1.00	0.964	96	90 - 110	2007-07-16
Dissolved Thallium		mg/L	1.00	0.964	96	90 - 110	2007-07-16
Dissolved Vanadium		mg/L	1.00	0.976	98	95 - 105	2007-07-16
Dissolved Zinc		mg/L	1.00	0.968	97	90 - 110	2007-07-16

Standard (CCV-1)

QC Batch: 39111 Date Analyzed: 2007-07-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.119	95	90 - 110	2007-07-16

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	1.07	107	90 - 110	2007-07-16
Dissolved Barium		mg/L	1.00	0.959	96	90 - 110	2007-07-16
Dissolved Beryllium		mg/L	1.00	0.910	91	90 - 110	2007-07-16
Dissolved Cadmium		mg/L	1.00	0.965	96	90 - 110	2007-07-16
Dissolved Cobalt		mg/L	1.00	0.916	92	90 - 110	2007-07-16
Dissolved Chromium		mg/L	1.00	0.954	95	90 - 110	2007-07-16
Dissolved Copper		mg/L	1.00	0.943	94	90 - 110	2007-07-16
Dissolved Nickel		mg/L	1.00	0.913	91	90 - 110	2007-07-16
Dissolved Lead		mg/L	1.00	0.965	96	90 - 110	2007-07-16
Dissolved Antimony		mg/L	1.00	0.925	92	90 - 110	2007-07-16
Dissolved Selenium		mg/L	1.00	0.949	95	90 - 110	2007-07-16
Dissolved Tin		mg/L	1.00	0.926	93	90 - 110	2007-07-16
Dissolved Thallium		mg/L	1.00	0.943	94	90 - 110	2007-07-16
Dissolved Vanadium		mg/L	1.00	0.924	92	90 - 110	2007-07-16
Dissolved Zinc		mg/L	1.00	0.926	93	90 - 110	2007-07-16

Standard (ICV-1)

QC Batch: 39257 Date Analyzed: 2007-07-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.123	98	90 - 110	2007-07-20
Dissolved Arsenic		mg/L	1.00	0.948	95	90 - 110	2007-07-20
Dissolved Barium		mg/L	1.00	1.01	101	90 - 110	2007-07-20
Dissolved Beryllium		mg/L	1.00	0.955	96	90 - 110	2007-07-20
Dissolved Cadmium		mg/L	1.00	0.996	100	95 - 105	2007-07-20
Dissolved Cobalt		mg/L	1.00	0.959	96	90 - 110	2007-07-20
Dissolved Chromium		mg/L	1.00	0.981	98	90 - 110	2007-07-20
Dissolved Copper		mg/L	1.00	0.975	98	90 - 110	2007-07-20
Dissolved Nickel		mg/L	1.00	0.949	95	90 - 110	2007-07-20
Dissolved Lead		mg/L	1.00	1.00	100	90 - 110	2007-07-20
Dissolved Antimony		mg/L	1.00	0.953	95	90 - 110	2007-07-20
Dissolved Selenium		mg/L	1.00	0.945	94	90 - 110	2007-07-20
Dissolved Tin		mg/L	1.00	0.980	98	90 - 110	2007-07-20
Dissolved Thallium		mg/L	1.00	0.977	98	90 - 110	2007-07-20
Dissolved Vanadium		mg/L	1.00	0.999	100	95 - 105	2007-07-20
Dissolved Zinc		mg/L	1.00	1.01	101	90 - 110	2007-07-20

Standard (CCV-1)

QC Batch: 39257 Date Analyzed: 2007-07-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.125	100	90 - 110	2007-07-20

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.964	96	90 - 110	2007-07-20
Dissolved Barium		mg/L	1.00	1.02	102	90 - 110	2007-07-20
Dissolved Beryllium		mg/L	1.00	0.970	97	90 - 110	2007-07-20
Dissolved Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-07-20
Dissolved Cobalt		mg/L	1.00	0.975	98	90 - 110	2007-07-20
Dissolved Chromium		mg/L	1.00	0.997	100	90 - 110	2007-07-20
Dissolved Copper		mg/L	1.00	0.988	99	90 - 110	2007-07-20
Dissolved Nickel		mg/L	1.00	0.969	97	90 - 110	2007-07-20
Dissolved Lead		mg/L	1.00	1.01	101	90 - 110	2007-07-20
Dissolved Antimony		mg/L	1.00	0.965	96	90 - 110	2007-07-20
Dissolved Selenium		mg/L	1.00	0.959	96	90 - 110	2007-07-20
Dissolved Tin		mg/L	1.00	0.991	99	90 - 110	2007-07-20
Dissolved Thallium		mg/L	1.00	0.988	99	90 - 110	2007-07-20
Dissolved Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-07-20
Dissolved Zinc		mg/L	1.00	1.03	103	90 - 110	2007-07-20

Standard (ICV-1)

QC Batch: 39363 Date Analyzed: 2007-07-24 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-07-24
Dissolved Arsenic		mg/L	1.00	0.967	97	90 - 110	2007-07-24
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2007-07-24
Dissolved Beryllium		mg/L	1.00	0.980	98	90 - 110	2007-07-24
Dissolved Cadmium		mg/L	1.00	1.01	101	95 - 105	2007-07-24
Dissolved Cobalt		mg/L	1.00	0.980	98	90 - 110	2007-07-24
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-07-24
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2007-07-24
Dissolved Nickel		mg/L	1.00	0.972	97	90 - 110	2007-07-24
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-07-24
Dissolved Antimony		mg/L	1.00	0.980	98	90 - 110	2007-07-24
Dissolved Selenium		mg/L	1.00	0.964	96	90 - 110	2007-07-24
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-07-24
Dissolved Thallium		mg/L	1.00	0.999	100	90 - 110	2007-07-24
Dissolved Vanadium		mg/L	1.00	1.02	102	95 - 105	2007-07-24
Dissolved Zinc		mg/L	1.00	1.03	103	90 - 110	2007-07-24

Standard (CCV-1)

QC Batch: 39363 Date Analyzed: 2007-07-24 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.126	101	90 - 110	2007-07-24

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.977	98	90 - 110	2007-07-24
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2007-07-24
Dissolved Beryllium		mg/L	1.00	0.978	98	90 - 110	2007-07-24
Dissolved Cadmium		mg/L	1.00	1.00	100	90 - 110	2007-07-24
Dissolved Cobalt		mg/L	1.00	0.976	98	90 - 110	2007-07-24
Dissolved Chromium		mg/L	1.00	1.00	100	90 - 110	2007-07-24
Dissolved Copper		mg/L	1.00	0.998	100	90 - 110	2007-07-24
Dissolved Nickel		mg/L	1.00	0.968	97	90 - 110	2007-07-24
Dissolved Lead		mg/L	1.00	1.02	102	90 - 110	2007-07-24
Dissolved Antimony		mg/L	1.00	0.971	97	90 - 110	2007-07-24
Dissolved Selenium		mg/L	1.00	0.959	96	90 - 110	2007-07-24
Dissolved Tin		mg/L	1.00	1.00	100	90 - 110	2007-07-24
Dissolved Thallium		mg/L	1.00	0.986	99	90 - 110	2007-07-24
Dissolved Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-07-24
Dissolved Zinc		mg/L	1.00	1.02	102	90 - 110	2007-07-24

Standard (ICV-1)

QC Batch: 39450 Date Analyzed: 2007-07-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.126	101	90 - 110	2007-07-27
Dissolved Arsenic		mg/L	1.00	0.987	99	90 - 110	2007-07-27
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2007-07-27
Dissolved Beryllium		mg/L	1.00	0.987	99	90 - 110	2007-07-27
Dissolved Cadmium		mg/L	1.00	1.02	102	95 - 105	2007-07-27
Dissolved Cobalt		mg/L	1.00	0.992	99	90 - 110	2007-07-27
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-07-27
Dissolved Copper		mg/L	1.00	0.999	100	90 - 110	2007-07-27
Dissolved Nickel		mg/L	1.00	0.991	99	90 - 110	2007-07-27
Dissolved Lead		mg/L	1.00	1.05	105	90 - 110	2007-07-27
Dissolved Antimony		mg/L	1.00	0.993	99	90 - 110	2007-07-27
Dissolved Selenium		mg/L	1.00	0.986	99	90 - 110	2007-07-27
Dissolved Tin		mg/L	1.00	1.02	102	90 - 110	2007-07-27
Dissolved Thallium		mg/L	1.00	1.01	101	90 - 110	2007-07-27
Dissolved Vanadium		mg/L	1.00	1.02	102	95 - 105	2007-07-27
Dissolved Zinc		mg/L	1.00	1.00	100	90 - 110	2007-07-27

Standard (CCV-1)

QC Batch: 39450 Date Analyzed: 2007-07-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.124	99	90 - 110	2007-07-27

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.975	98	90 - 110	2007-07-27
Dissolved Barium		mg/L	1.00	1.02	102	90 - 110	2007-07-27
Dissolved Beryllium		mg/L	1.00	0.960	96	90 - 110	2007-07-27
Dissolved Cadmium		mg/L	1.00	0.995	100	90 - 110	2007-07-27
Dissolved Cobalt		mg/L	1.00	0.967	97	90 - 110	2007-07-27
Dissolved Chromium		mg/L	1.00	0.987	99	90 - 110	2007-07-27
Dissolved Copper		mg/L	1.00	0.976	98	90 - 110	2007-07-27
Dissolved Nickel		mg/L	1.00	0.962	96	90 - 110	2007-07-27
Dissolved Lead		mg/L	1.00	0.978	98	90 - 110	2007-07-27
Dissolved Antimony		mg/L	1.00	0.959	96	90 - 110	2007-07-27
Dissolved Selenium		mg/L	1.00	0.951	95	90 - 110	2007-07-27
Dissolved Tin		mg/L	1.00	0.987	99	90 - 110	2007-07-27
Dissolved Thallium		mg/L	1.00	0.981	98	90 - 110	2007-07-27
Dissolved Vanadium		mg/L	1.00	0.997	100	90 - 110	2007-07-27
Dissolved Zinc		mg/L	1.00	0.976	98	90 - 110	2007-07-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 31 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (IC)	E 300.0
Fluoride (IC)	E 300.0
SO4 (IC)	E 300.0

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815,

7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38024	Date Analyzed:	2007-06-08	Analyzed By:	ER
Prep Batch:	32926	Sample Preparation:	2007-06-08	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**34.3**	mg/L	5	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		**46.6**	mg/L	5	0.500

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38024	Date Analyzed:	2007-06-08	Analyzed By:	ER
Prep Batch:	32926	Sample Preparation:	2007-06-08	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**52.6**	mg/L	5	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		**77.4**	mg/L	5	0.500

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38024	Date Analyzed:	2007-06-08	Analyzed By:	ER
Prep Batch:	32926	Sample Preparation:	2007-06-08	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**57.9**	mg/L	5	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		**133**	mg/L	5	0.500

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38024	Date Analyzed:	2007-06-08	Analyzed By:	ER
Prep Batch:	32926	Sample Preparation:	2007-06-08	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**54.2**	mg/L	5	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		**124**	mg/L	5	0.500

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38158	Date Analyzed:	2007-06-14	Analyzed By:	ER
Prep Batch:	33037	Sample Preparation:	2007-06-13	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**86.8**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**164**		mg/L	5	0.500

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38158	Date Analyzed:	2007-06-14	Analyzed By:	ER
Prep Batch:	33037	Sample Preparation:	2007-06-13	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**63.5**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**173**		mg/L	5	0.500

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38663	Date Analyzed:	2007-06-28	Analyzed By:	ER
Prep Batch:	33466	Sample Preparation:	2007-06-28	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**13.1**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**45.2**		mg/L	5	0.500

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38664	Date Analyzed:	2007-06-28	Analyzed By:	ER
Prep Batch:	33467	Sample Preparation:	2007-06-28	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**95.8**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**174**		mg/L	5	0.500

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38664	Date Analyzed:	2007-06-28	Analyzed By:	ER
Prep Batch:	33467	Sample Preparation:	2007-06-28	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**40.0**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**64.0**		mg/L	5	0.500

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38664	Date Analyzed:	2007-06-28	Analyzed By:	ER
Prep Batch:	33467	Sample Preparation:	2007-06-28	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**12.1**		mg/L	5	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**41.5**		mg/L	5	0.500

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38278	Date Analyzed:	2007-06-15	Analyzed By:	JR
Prep Batch:	33140	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**61.4**		mg/L	5	2.00
Fluoride		**0.520**		mg/L	1	0.200
Sulfate		**111**		mg/L	5	1.00

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38278	Date Analyzed:	2007-06-15	Analyzed By:	JR
Prep Batch:	33140	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**39.6**		mg/L	5	2.00
Fluoride		**0.360**		mg/L	1	0.200
Sulfate		**69.4**		mg/L	5	1.00

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38278	Date Analyzed:	2007-06-15	Analyzed By:	JR
Prep Batch:	33140	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**49.2**	mg/L	5	2.00
Fluoride		<0.200	mg/L	1	0.200
Sulfate		**129**	mg/L	5	1.00

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38278	Date Analyzed:	2007-06-15	Analyzed By:	JR
Prep Batch:	33140	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**30.8**	mg/L	5	2.00
Fluoride		**0.400**	mg/L	1	0.200
Sulfate		**52.3**	mg/L	5	1.00

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38545	Date Analyzed:	2007-06-20	Analyzed By:	JR
Prep Batch:	33356	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**21.4**	mg/L	2	2.00
Fluoride		**0.270**	mg/L	1	0.200
Sulfate		**32.4**	mg/L	2	1.00

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38545	Date Analyzed:	2007-06-20	Analyzed By:	JR
Prep Batch:	33356	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**196**	mg/L	10	2.00
Fluoride		**0.320**	mg/L	1	0.200
Sulfate		**395**	mg/L	10	1.00

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38545	Date Analyzed:	2007-06-20	Analyzed By:	JR
Prep Batch:	33356	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**41.0**		mg/L	5	2.00
Fluoride		**0.340**		mg/L	1	0.200
Sulfate		**87.6**		mg/L	5	1.00

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38545	Date Analyzed:	2007-06-20	Analyzed By:	JR
Prep Batch:	33356	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**64.4**		mg/L	5	2.00
Fluoride		**0.390**		mg/L	1	0.200
Sulfate		**54.4**		mg/L	5	1.00

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38640	Date Analyzed:	2007-06-26	Analyzed By:	JR
Prep Batch:	33446	Sample Preparation:	2007-06-26	Prepared By:	JR
QC Batch:	38739	Date Analyzed:	2007-06-29	Analyzed By:	JR
Prep Batch:	33528	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**15.8**		mg/L	5	2.00
Fluoride		**0.410**		mg/L	1	0.200
Sulfate		**9.39**		mg/L	5	1.00

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38739	Date Analyzed:	2007-06-29	Analyzed By:	JR
Prep Batch:	33528	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**68.0**		mg/L	5	2.00
Fluoride		**0.300**		mg/L	1	0.200
Sulfate		**106**		mg/L	5	1.00

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38739	Date Analyzed:	2007-06-29	Analyzed By:	JR
Prep Batch:	33528	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**67.8**	mg/L	5	2.00
Fluoride		**0.300**	mg/L	1	0.200
Sulfate		**105**	mg/L	5	1.00

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38739	Date Analyzed:	2007-06-29	Analyzed By:	JR
Prep Batch:	33528	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**37.8**	mg/L	5	2.00
Fluoride		**0.330**	mg/L	1	0.200
Sulfate		**66.6**	mg/L	5	1.00

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38890	Date Analyzed:	2007-07-06	Analyzed By:	JR
Prep Batch:	33657	Sample Preparation:	2007-07-06	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**11.4**	mg/L	1	2.00
Fluoride		**0.410**	mg/L	1	0.200
Sulfate		**47.3**	mg/L	5	1.00

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	38890	Date Analyzed:	2007-07-06	Analyzed By:	JR
Prep Batch:	33657	Sample Preparation:	2007-07-06	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**11.4**	mg/L	1	2.00
Fluoride		**0.410**	mg/L	1	0.200
Sulfate		**46.9**	mg/L	5	1.00

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39190	Date Analyzed:	2007-07-12	Analyzed By:	JR
Prep Batch:	33917	Sample Preparation:	2007-07-12	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**14.9**	mg/L	2	2.00
Fluoride		**0.430**	mg/L	1	0.200
Sulfate		**53.0**	mg/L	5	1.00

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39196	Date Analyzed:	2007-07-13	Analyzed By:	JR
Prep Batch:	33922	Sample Preparation:	2007-07-13	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**13.2**	mg/L	2	2.00
Fluoride		**0.530**	mg/L	1	0.200
Sulfate		**32.0**	mg/L	2	1.00

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39312	Date Analyzed:	2007-07-19	Analyzed By:	JR
Prep Batch:	34030	Sample Preparation:	2007-07-19	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**11.0**	mg/L	1	2.00
Fluoride		**0.430**	mg/L	1	0.200
Sulfate		**44.5**	mg/L	5	1.00

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39312	Date Analyzed:	2007-07-19	Analyzed By:	JR
Prep Batch:	34030	Sample Preparation:	2007-07-19	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**40.3**	mg/L	5	2.00
Fluoride		**0.320**	mg/L	1	0.200
Sulfate		**52.1**	mg/L	5	1.00

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<2.00	mg/L	1	2.00
Fluoride		<0.200	mg/L	1	0.200
Sulfate		<1.00	mg/L	1	1.00

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**16.9**	mg/L	2	2.00
Fluoride		**0.390**	mg/L	1	0.200
Sulfate		**48.9**	mg/L	5	1.00

Method Blank (1) QC Batch: 38024

QC Batch:	38024	Date Analyzed:	2007-06-08	Analyzed By:	ER
Prep Batch:	32926	QC Preparation:	2007-06-08	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5
Fluoride		<0.119	mg/L	0.2
Sulfate		<0.777	mg/L	0.5

Method Blank (1) QC Batch: 38158

QC Batch:	38158	Date Analyzed:	2007-06-14	Analyzed By:	ER
Prep Batch:	33037	QC Preparation:	2007-06-13	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5
Fluoride		<0.119	mg/L	0.2
Sulfate		<0.777	mg/L	0.5

Method Blank (1) QC Batch: 38278

QC Batch:	38278	Date Analyzed:	2007-06-15	Analyzed By:	JR
Prep Batch:	33140	QC Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 38545

QC Batch:	38545	Date Analyzed:	2007-06-20	Analyzed By:	JR
Prep Batch:	33356	QC Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 38640

QC Batch:	38640	Date Analyzed:	2007-06-26	Analyzed By:	JR
Prep Batch:	33446	QC Preparation:	2007-06-26	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 38663

QC Batch:	38663	Date Analyzed:	2007-06-28	Analyzed By:	ER
Prep Batch:	33466	QC Preparation:	2007-06-28	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5
Fluoride		<0.119	mg/L	0.2
Sulfate		<0.777	mg/L	0.5

Method Blank (1) QC Batch: 38664

QC Batch:	38664	Date Analyzed:	2007-06-28	Analyzed By:	ER
Prep Batch:	33467	QC Preparation:	2007-06-28	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5
Fluoride		<0.119	mg/L	0.2
Sulfate		<0.777	mg/L	0.5

Method Blank (1) QC Batch: 38739

QC Batch:	38739	Date Analyzed:	2007-06-29	Analyzed By:	JR
Prep Batch:	33528	QC Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 38890

QC Batch:	38890	Date Analyzed:	2007-07-06	Analyzed By:	JR
Prep Batch:	33657	QC Preparation:	2007-07-06	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 39190

QC Batch:	39190	Date Analyzed:	2007-07-12	Analyzed By:	JR
Prep Batch:	33917	QC Preparation:	2007-07-12	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 39196

QC Batch:	39196	Date Analyzed:	2007-07-13	Analyzed By:	JR
Prep Batch:	33922	QC Preparation:	2007-07-13	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 39312

QC Batch:	39312	Date Analyzed:	2007-07-19	Analyzed By:	JR
Prep Batch:	34030	QC Preparation:	2007-07-19	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 39803

QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	QC Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch:	38024	Date Analyzed:	2007-06-08	Analyzed By:	ER
Prep Batch:	32926	QC Preparation:	2007-06-08	Prepared By:	ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.4	mg/L	1	12.5	<0.172	91	90 - 110
Fluoride	2.32	mg/L	1	2.50	<0.0119	93	90 - 110
Sulfate	12.2	mg/L	1	12.5	<0.777	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.6	mg/L	1	12.5	<0.172	93	90 - 110	2	20
Fluoride	2.42	mg/L	1	2.50	<0.0119	97	90 - 110	4	20
Sulfate	12.3	mg/L	1	12.5	<0.777	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38158 Date Analyzed: 2007-06-14 Analyzed By: ER
Prep Batch: 33037 QC Preparation: 2007-06-13 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.3	mg/L	1	12.5	<0.172	98	90 - 110
Fluoride	2.50	mg/L	1	2.50	<0.0119	100	90 - 110
Sulfate	12.1	mg/L	1	12.5	<0.777	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.2	mg/L	1	12.5	<0.172	98	90 - 110	1	20
Fluoride	2.54	mg/L	1	2.50	<0.0119	102	90 - 110	2	20
Sulfate	12.0	mg/L	1	12.5	<0.777	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38278 Date Analyzed: 2007-06-15 Analyzed By: JR
Prep Batch: 33140 QC Preparation: 2007-06-15 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.6	mg/L	1	12.5	<0.0350	101	90 - 110
Fluoride	2.60	mg/L	1	2.50	<0.0168	104	88.6 - 107
Sulfate	12.9	mg/L	1	12.5	<0.0238	103	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.6	mg/L	1	12.5	<0.0350	101	90 - 110	0	20
Fluoride	2.59	mg/L	1	2.50	<0.0168	104	88.6 - 107	0	20
Sulfate	12.9	mg/L	1	12.5	<0.0238	103	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38545 Date Analyzed: 2007-06-20 Analyzed By: JR
Prep Batch: 33356 QC Preparation: 2007-06-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110	0	20
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107	0	20
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38640 Date Analyzed: 2007-06-26 Analyzed By: JR
Prep Batch: 33446 QC Preparation: 2007-06-26 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.54	mg/L	1	2.50	<0.0168	102	88.6 - 107
Sulfate	12.8	mg/L	1	12.5	<0.0238	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.52	mg/L	1	2.50	<0.0168	101	88.6 - 107	1	20
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38663 Date Analyzed: 2007-06-28 Analyzed By: ER
Prep Batch: 33466 QC Preparation: 2007-06-28 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.2	mg/L	1	12.5	<0.172	90	90 - 110
Fluoride	2.46	mg/L	1	2.50	<0.0119	98	90 - 110
Sulfate	12.2	mg/L	1	12.5	<0.777	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.3	mg/L	1	12.5	<0.172	90	90 - 110	1	20
Fluoride	2.42	mg/L	1	2.50	<0.0119	97	90 - 110	2	20
Sulfate	12.1	mg/L	1	12.5	<0.777	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38664 Date Analyzed: 2007-06-28 Analyzed By: ER
Prep Batch: 33467 QC Preparation: 2007-06-28 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.3	mg/L	1	12.5	<0.172	90	90 - 110
Fluoride	2.44	mg/L	1	2.50	<0.0119	98	90 - 110
Sulfate	12.2	mg/L	1	12.5	<0.777	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.2	mg/L	1	12.5	<0.172	90	90 - 110	1	20
Fluoride	2.44	mg/L	1	2.50	<0.0119	98	90 - 110	0	20
Sulfate	12.2	mg/L	1	12.5	<0.777	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38739 Date Analyzed: 2007-06-29 Analyzed By: JR
Prep Batch: 33528 QC Preparation: 2007-06-29 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.3	mg/L	1	12.5	<0.0350	98	90 - 110
Fluoride	2.53	mg/L	1	2.50	<0.0168	101	88.6 - 107
Sulfate	12.7	mg/L	1	12.5	<0.0238	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.1	mg/L	1	12.5	<0.0350	97	90 - 110	2	20
Fluoride	2.50	mg/L	1	2.50	<0.0168	100	88.6 - 107	1	20
Sulfate	12.5	mg/L	1	12.5	<0.0238	100	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38890 Date Analyzed: 2007-07-06 Analyzed By: JR
Prep Batch: 33657 QC Preparation: 2007-07-06 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110
Fluoride	2.44	mg/L	1	2.50	<0.0168	98	88.6 - 107
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.0350	94	90 - 110	0	20
Fluoride	2.44	mg/L	1	2.50	<0.0168	98	88.6 - 107	0	20
Sulfate	12.2	mg/L	1	12.5	<0.0238	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39190 Date Analyzed: 2007-07-12 Analyzed By: JR
Prep Batch: 33917 QC Preparation: 2007-07-12 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.4	mg/L	1	12.5	<0.0350	99	90 - 110
Fluoride	2.53	mg/L	1	2.50	<0.0168	101	88.6 - 107
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.4	mg/L	1	12.5	<0.0350	99	90 - 110	0	20
Fluoride	2.54	mg/L	1	2.50	<0.0168	102	88.6 - 107	0	20
Sulfate	12.8	mg/L	1	12.5	<0.0238	102	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39196 Date Analyzed: 2007-07-13 Analyzed By: JR
Prep Batch: 33922 QC Preparation: 2007-07-13 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.2	mg/L	1	12.5	<0.0350	98	90 - 110
Fluoride	2.50	mg/L	1	2.50	<0.0168	100	88.6 - 107
Sulfate	12.6	mg/L	1	12.5	<0.0238	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.3	mg/L	1	12.5	<0.0350	98	90 - 110	1	20
Fluoride	2.51	mg/L	1	2.50	<0.0168	100	88.6 - 107	0	20
Sulfate	12.6	mg/L	1	12.5	<0.0238	101	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39312 Date Analyzed: 2007-07-19 Analyzed By: JR
Prep Batch: 34030 QC Preparation: 2007-07-19 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110	0	20
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107	0	20
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39803 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34457 QC Preparation: 2007-07-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110
Fluoride	2.41	mg/L	1	2.50	<0.0168	96	88.6 - 107
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110	0	20
Fluoride	2.42	mg/L	1	2.50	<0.0168	97	88.6 - 107	0	20
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 126999

QC Batch: 38024 Date Analyzed: 2007-06-08 Analyzed By: ER
Prep Batch: 32926 QC Preparation: 2007-06-08 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	126	mg/L	5	62.5	54.1581	115	10 - 188
Fluoride	11.4	mg/L	5	12.5	<0.595	91	73.4 - 119
Sulfate	193	mg/L	5	62.5	124.44	110	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	125	mg/L	5	62.5	54.1581	113	10 - 188	1	20
Fluoride	12.0	mg/L	5	12.5	<0.595	96	73.4 - 119	5	20
Sulfate	189	mg/L	5	62.5	124.44	103	83.1 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127221

QC Batch: 38158 Date Analyzed: 2007-06-14 Analyzed By: ER
Prep Batch: 33037 QC Preparation: 2007-06-13 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	169	mg/L	5	62.5	97.87	114	10 - 188
Fluoride	14.2	mg/L	5	12.5	1.7252	100	73.4 - 119
Sulfate	142	mg/L	5	62.5	80.1137	99	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	167	mg/L	5	62.5	97.87	111	10 - 188	1	20
Fluoride	14.2	mg/L	5	12.5	1.7252	100	73.4 - 119	0	20
Sulfate	139	mg/L	5	62.5	80.1137	94	83.1 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch: 38278 Date Analyzed: 2007-06-15 Analyzed By: JR
Prep Batch: 33140 QC Preparation: 2007-06-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	104	mg/L	5	62.5	39.6	103	90 - 110
Fluoride	13.2	mg/L	5	12.5	0.36	103	89.9 - 104
Sulfate	134	mg/L	5	62.5	69.4	103	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	104	mg/L	5	62.5	39.6	103	90 - 110	0	20
Fluoride	13.2	mg/L	5	12.5	0.36	103	89.9 - 104	0	20
Sulfate	134	mg/L	5	62.5	69.4	103	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128006

QC Batch: 38545 Date Analyzed: 2007-06-20 Analyzed By: JR
Prep Batch: 33356 QC Preparation: 2007-06-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	80.4	mg/L	5	62.5	21.4	94	90 - 110
Fluoride	12.4	mg/L	5	12.5	0.27	97	89.9 - 104

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	92.0	mg/L	5	62.5	32.4	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	80.6	mg/L	5	62.5	21.4	95	90 - 110	0	20
Fluoride	12.4	mg/L	5	12.5	0.27	97	89.9 - 104	0	20
Sulfate	92.1	mg/L	5	62.5	32.4	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128636

QC Batch: 38640 Date Analyzed: 2007-06-26 Analyzed By: JR
Prep Batch: 33446 QC Preparation: 2007-06-26 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	12.9	mg/L	5	12.5	<0.0840	103	89.9 - 104
Sulfate	156	mg/L	5	62.5	96.4	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	13.0	mg/L	5	12.5	<0.0840	104	89.9 - 104	1	20
Sulfate	156	mg/L	5	62.5	96.4	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127500

QC Batch: 38663 Date Analyzed: 2007-06-28 Analyzed By: ER
Prep Batch: 33466 QC Preparation: 2007-06-28 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	74.0	mg/L	5	62.5	16.1173	93	10 - 188
Fluoride	13.4	mg/L	5	12.5	<0.595	105	73.4 - 119
Sulfate	110	mg/L	5	62.5	45.1801	104	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	71.4	mg/L	5	62.5	16.1173	88	10 - 188	4	20
Fluoride	12.2	mg/L	5	12.5	<0.595	95	73.4 - 119	9	20
Sulfate	109	mg/L	5	62.5	45.1801	102	83.1 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127506

QC Batch: 38664 Date Analyzed: 2007-06-28 Analyzed By: ER
Prep Batch: 33467 QC Preparation: 2007-06-28 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	68.6	mg/L	5	62.5	12.0694	90	10 - 188
Fluoride	11.4	mg/L	5	12.5	<0.595	89	73.4 - 119
Sulfate	107	mg/L	5	62.5	41.4676	105	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	69.2	mg/L	5	62.5	12.0694	91	10 - 188	1	20
Fluoride	12.6	mg/L	5	12.5	<0.595	99	73.4 - 119	10	20
Sulfate	107	mg/L	5	62.5	41.4676	105	83.1 - 114	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128957

QC Batch: 38739 Date Analyzed: 2007-06-29 Analyzed By: JR
Prep Batch: 33528 QC Preparation: 2007-06-29 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	128	mg/L	5	62.5	68	96	90 - 110
Fluoride	12.5	mg/L	5	12.5	<0.0840	100	89.9 - 104
Sulfate	164	mg/L	5	62.5	106	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	128	mg/L	5	62.5	68	96	90 - 110	0	20
Fluoride	12.4	mg/L	5	12.5	<0.0840	99	89.9 - 104	1	20
Sulfate	164	mg/L	5	62.5	106	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129153

QC Batch: 38890 Date Analyzed: 2007-07-06 Analyzed By: JR
Prep Batch: 33657 QC Preparation: 2007-07-06 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	70.0	mg/L	5	62.5	11.4	94	90 - 110
Fluoride	12.5	mg/L	5	12.5	0.41	97	89.9 - 104
Sulfate	106	mg/L	5	62.5	47.3	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	70.0	mg/L	5	62.5	11.4	94	90 - 110	0	20
Fluoride	12.4	mg/L	5	12.5	0.41	96	89.9 - 104	1	20
Sulfate	106	mg/L	5	62.5	47.3	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129834

QC Batch: 39190 Date Analyzed: 2007-07-12 Analyzed By: JR
Prep Batch: 33917 QC Preparation: 2007-07-12 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	76.6	mg/L	5	62.5	14.9	99	90 - 110
Fluoride	13.0	mg/L	5	12.5	0.43	100	89.9 - 104
Sulfate	109	mg/L	5	62.5	53	90	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	76.6	mg/L	5	62.5	14.9	99	90 - 110	0	20
Fluoride	12.9	mg/L	5	12.5	0.43	100	89.9 - 104	1	20
Sulfate	109	mg/L	5	62.5	53	90	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129983

QC Batch: 39196 Date Analyzed: 2007-07-13 Analyzed By: JR
Prep Batch: 33922 QC Preparation: 2007-07-13 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	73.7	mg/L	5	62.5	13.2	97	90 - 110
Fluoride	12.9	mg/L	5	12.5	0.53	99	89.9 - 104
Sulfate	92.9	mg/L	5	62.5	32	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	73.7	mg/L	5	62.5	13.2	97	90 - 110	0	20
Fluoride	12.9	mg/L	5	12.5	0.53	99	89.9 - 104	0	20
Sulfate	92.7	mg/L	5	62.5	32	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39312 Date Analyzed: 2007-07-19 Analyzed By: JR
Prep Batch: 34030 QC Preparation: 2007-07-19 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	70.6	mg/L	5	62.5	55	95	90 - 110
Fluoride	12.6	mg/L	5	12.5	2.15	97	89.9 - 104
Sulfate	103	mg/L	5	62.5	44.5	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	70.6	mg/L	5	62.5	55	95	90 - 110	0	20
Fluoride	12.5	mg/L	5	12.5	2.15	96	89.9 - 104	1	20
Sulfate	104	mg/L	5	62.5	44.5	95	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131334

QC Batch: 39803 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34457 QC Preparation: 2007-07-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	8530	mg/L	500	6250	2680	94	90 - 110
Fluoride	1210	mg/L	500	1250	<8.40	97	89.9 - 104
Sulfate	7250	mg/L	500	6250	1560	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	8500	mg/L	500	6250	2680	93	90 - 110	0	20
Fluoride	1210	mg/L	500	1250	<8.40	97	89.9 - 104	0	20
Sulfate	7230	mg/L	500	6250	1560	91	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38024 Date Analyzed: 2007-06-08 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-06-08
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-06-08

Standard (CCV-1)

QC Batch: 38024 Date Analyzed: 2007-06-08 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-06-08
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-06-08
Sulfate		mg/L	12.5	11.9	95	90 - 110	2007-06-08

Standard (ICV-1)

QC Batch: 38158 Date Analyzed: 2007-06-14 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.3	98	90 - 110	2007-06-14
Fluoride		mg/L	2.50	2.66	106	90 - 110	2007-06-14
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-06-14

Standard (CCV-1)

QC Batch: 38158 Date Analyzed: 2007-06-14 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.3	98	90 - 110	2007-06-14
Fluoride		mg/L	2.50	2.64	106	90 - 110	2007-06-14
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-06-14

Standard (ICV-1)

QC Batch: 38278 Date Analyzed: 2007-06-15 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2007-06-15
Fluoride		mg/L	2.50	2.52	101	90 - 110	2007-06-15
Sulfate		mg/L	12.5	12.1	97	90 - 110	2007-06-15

Standard (CCV-1)

QC Batch: 38278 Date Analyzed: 2007-06-15 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2007-06-15
Fluoride		mg/L	2.50	2.61	104	90 - 110	2007-06-15
Sulfate		mg/L	12.5	12.4	99	90 - 110	2007-06-15

Standard (ICV-1)

QC Batch: 38545 Date Analyzed: 2007-06-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-06-20
Fluoride		mg/L	2.50	2.44	98	90 - 110	2007-06-20
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-06-20

Standard (CCV-1)

QC Batch: 38545 Date Analyzed: 2007-06-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-06-20
Fluoride		mg/L	2.50	2.45	98	90 - 110	2007-06-20
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-06-20

Standard (ICV-1)

QC Batch: 38640 Date Analyzed: 2007-06-26 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.47	99	90 - 110	2007-06-26
Sulfate		mg/L	12.5	11.9	95	90 - 110	2007-06-26

Standard (CCV-1)

QC Batch: 38640 Date Analyzed: 2007-06-26 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.48	99	90 - 110	2007-06-26
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-06-26

Standard (ICV-1)

QC Batch: 38663 Date Analyzed: 2007-06-28 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2007-06-28
Fluoride		mg/L	2.50	2.46	98	90 - 110	2007-06-28

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	12.1	97	90 - 110	2007-06-28

Standard (CCV-1)

QC Batch: 38663 Date Analyzed: 2007-06-28 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2007-06-28
Fluoride		mg/L	2.50	2.43	97	90 - 110	2007-06-28
Sulfate		mg/L	12.5	12.3	98	90 - 110	2007-06-28

Standard (ICV-1)

QC Batch: 38664 Date Analyzed: 2007-06-28 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2007-06-28
Fluoride		mg/L	2.50	2.43	97	90 - 110	2007-06-28
Sulfate		mg/L	12.5	12.3	98	90 - 110	2007-06-28

Standard (CCV-1)

QC Batch: 38664 Date Analyzed: 2007-06-28 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2007-06-28
Fluoride		mg/L	2.50	2.44	98	90 - 110	2007-06-28
Sulfate		mg/L	12.5	12.1	97	90 - 110	2007-06-28

Standard (ICV-1)

QC Batch: 38739 Date Analyzed: 2007-06-29 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-06-29
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-06-29
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-06-29

Standard (CCV-1)

QC Batch: 38739 Date Analyzed: 2007-06-29 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-06-29
Fluoride		mg/L	2.50	2.45	98	90 - 110	2007-06-29
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-06-29

Standard (ICV-1)

QC Batch: 38890 Date Analyzed: 2007-07-06 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-07-06
Fluoride		mg/L	2.50	2.40	96	90 - 110	2007-07-06
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-07-06

Standard (CCV-1)

QC Batch: 38890 Date Analyzed: 2007-07-06 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-07-06
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-07-06
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-07-06

Standard (ICV-1)

QC Batch: 39190 Date Analyzed: 2007-07-12 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-07-12
Fluoride		mg/L	2.50	2.48	99	90 - 110	2007-07-12
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-07-12

Standard (CCV-1)

QC Batch: 39190 Date Analyzed: 2007-07-12 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.3	98	90 - 110	2007-07-12
Fluoride		mg/L	2.50	2.53	101	90 - 110	2007-07-12
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-07-12

Standard (ICV-1)

QC Batch: 39196 Date Analyzed: 2007-07-13 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-07-13
Fluoride		mg/L	2.50	2.49	100	90 - 110	2007-07-13
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-07-13

Standard (CCV-1)

QC Batch: 39196 Date Analyzed: 2007-07-13 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2007-07-13
Fluoride		mg/L	2.50	2.50	100	90 - 110	2007-07-13
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-07-13

Standard (ICV-1)

QC Batch: 39312 Date Analyzed: 2007-07-19 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-07-19
Fluoride		mg/L	2.50	2.44	98	90 - 110	2007-07-19
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-07-19

Standard (CCV-1)

QC Batch: 39312 Date Analyzed: 2007-07-19 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-07-19
Fluoride		mg/L	2.50	2.44	98	90 - 110	2007-07-19
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-07-19

Standard (ICV-1)

QC Batch: 39803 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.5	92	90 - 110	2007-07-27
Fluoride		mg/L	2.50	2.36	94	90 - 110	2007-07-27
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-07-27

Standard (CCV-1)

QC Batch: 39803 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-07-27
Fluoride		mg/L	2.50	2.41	96	90 - 110	2007-07-27
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-07-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Free Cyanide	E 9213

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	Result	RL Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	Result	RL Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	Result	RL Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	Result	RL Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	Sample Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		**0.0170**		mg/L	1	0.0100

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		**0.0500**		mg/L	1	0.0100

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		**0.0960**		mg/L	1	0.0100

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	Sample Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	Sample Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	Sample Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0590**	mg/L	1	0.0100

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	Sample Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0960**	mg/L	1	0.0100

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	Sample Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.108**	mg/L	1	0.0100

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	Sample Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	Sample Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40314	Date Analyzed:	2007-07-23	Analyzed By:	BP
Prep Batch:	34889	Sample Preparation:	2007-07-23	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40314	Date Analyzed:	2007-07-23	Analyzed By:	BP
Prep Batch:	34889	Sample Preparation:	2007-07-23	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40314	Date Analyzed:	2007-07-23	Analyzed By:	BP
Prep Batch:	34889	Sample Preparation:	2007-07-23	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40314	Date Analyzed:	2007-07-23	Analyzed By:	BP
Prep Batch:	34889	Sample Preparation:	2007-07-23	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40316	Date Analyzed:	2007-07-30	Analyzed By:	BP
Prep Batch:	34890	Sample Preparation:	2007-07-30	Prepared By:	BP

Parameter	Flag	Result	RL	Units	Dilution	RL
Free Cyanide		<0.0100		mg/L	1	0.0100

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	40316	Date Analyzed:	2007-07-30	Analyzed By:	BP
Prep Batch:	34890	Sample Preparation:	2007-07-30	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		**0.0190**	mg/L	1	0.0100

Method Blank (1) QC Batch: 40050

QC Batch:	40050	Date Analyzed:	2007-06-13	Analyzed By:	BP
Prep Batch:	34663	QC Preparation:	2007-06-13	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 40312

QC Batch:	40312	Date Analyzed:	2007-06-24	Analyzed By:	BP
Prep Batch:	34884	QC Preparation:	2007-06-24	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 40313

QC Batch:	40313	Date Analyzed:	2007-07-06	Analyzed By:	BP
Prep Batch:	34887	QC Preparation:	2007-07-06	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 40314

QC Batch:	40314	Date Analyzed:	2007-07-23	Analyzed By:	BP
Prep Batch:	34889	QC Preparation:	2007-07-23	Prepared By:	BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 40316

QC Batch: 40316 | Date Analyzed: 2007-07-30 | Analyzed By: BP
Prep Batch: 34890 | QC Preparation: 2007-07-30 | Prepared By: BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 40050 | Date Analyzed: 2007-06-13 | Analyzed By: BP
Prep Batch: 34663 | QC Preparation: 2007-06-13 | Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0460	mg/L	1	0.0500	<0.00500	92	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0510	mg/L	1	0.0500	<0.00500	102	80 - 120	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40312 | Date Analyzed: 2007-06-24 | Analyzed By: BP
Prep Batch: 34884 | QC Preparation: 2007-06-24 | Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0400	mg/L	1	0.0500	<0.00500	80	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0470	mg/L	1	0.0500	<0.00500	94	80 - 120	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40313 | Date Analyzed: 2007-07-06 | Analyzed By: BP
Prep Batch: 34887 | QC Preparation: 2007-07-06 | Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0400	mg/L	1	0.0500	<0.00500	80	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	[1]	0.0360	mg/L	1	0.0500	<0.00500	72	80 - 120	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40314 Date Analyzed: 2007-07-23 Analyzed By: BP
Prep Batch: 34889 QC Preparation: 2007-07-23 Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0420	mg/L	1	0.0500	<0.00500	84	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	[2]	0.0360	mg/L	1	0.0500	<0.00500	72	80 - 120	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40316 Date Analyzed: 2007-07-30 Analyzed By: BP
Prep Batch: 34890 QC Preparation: 2007-07-30 Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0520	mg/L	1	0.0500	<0.00500	104	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0460	mg/L	1	0.0500	<0.00500	92	80 - 120	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127506

QC Batch: 40050 Date Analyzed: 2007-06-13 Analyzed By: BP
Prep Batch: 34663 QC Preparation: 2007-06-13 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0580	mg/L	1	0.0500	0.017	82	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[2] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0620	mg/L	1	0.0500	0.017	90	80 - 120	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128012

QC Batch: 40312 Date Analyzed: 2007-06-24 Analyzed By: BP
Prep Batch: 34884 QC Preparation: 2007-06-24 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0500	mg/L	1	0.0500	<0.00500	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0450	mg/L	1	0.0500	<0.00500	90	80 - 120	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129155

QC Batch: 40313 Date Analyzed: 2007-07-06 Analyzed By: BP
Prep Batch: 34887 QC Preparation: 2007-07-06 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0500	mg/L	1	0.0500	<0.00500	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0420	mg/L	1	0.0500	<0.00500	84	80 - 120	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130461

QC Batch: 40314 Date Analyzed: 2007-07-23 Analyzed By: BP
Prep Batch: 34889 QC Preparation: 2007-07-23 Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0440	mg/L	1	0.0500	<0.00500	88	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0420	mg/L	1	0.0500	<0.00500	84	80 - 120	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130860

QC Batch: 40316 Date Analyzed: 2007-07-30 Analyzed By: BP
Prep Batch: 34890 QC Preparation: 2007-07-30 Prepared By: BP

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	[3]	0.0440	mg/L	1	0.0500	0.019	50	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	[4]	0.0480	mg/L	1	0.0500	0.019	58	80 - 120	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40050 Date Analyzed: 2007-06-13 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.103	103	90 - 110	2007-06-13

Standard (CCV-1)

QC Batch: 40050 Date Analyzed: 2007-06-13 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.100	100	90 - 110	2007-06-13

Standard (ICV-1)

QC Batch: 40312 Date Analyzed: 2007-06-24 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.0980	98	90 - 110	2007-06-24

Standard (CCV-1)

QC Batch: 40312 Date Analyzed: 2007-06-24 Analyzed By: BP

[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.105	105	90 - 110	2007-06-24

Standard (ICV-1)

QC Batch: 40313 Date Analyzed: 2007-07-06 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.104	104	90 - 110	2007-07-06

Standard (CCV-1)

QC Batch: 40313 Date Analyzed: 2007-07-06 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.0960	96	90 - 110	2007-07-06

Standard (ICV-1)

QC Batch: 40314 Date Analyzed: 2007-07-23 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.100	100	90 - 110	2007-07-23

Standard (CCV-1)

QC Batch: 40314 Date Analyzed: 2007-07-23 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.0960	96	90 - 110	2007-07-23

Standard (ICV-1)

QC Batch: 40316 Date Analyzed: 2007-07-30 Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.110	110	90 - 110	2007-07-30

Standard (CCV-1)

QC Batch: 40316 Date Analyzed: 2007-07-30 Analyzed By: BP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.110	110	90 - 110	2007-07-30

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Nitrate and Nitrite as N	E 353.3

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**3.84**		mg/L	25	0.100

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**6.10**		mg/L	25	0.100

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**7.76**		mg/L	25	0.100

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**5.53**		mg/L	25	0.100

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**8.06**	mg/L	25	0.100

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**10.3**	mg/L	50	0.100

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.23**	mg/L	10	0.100

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**10.7**	mg/L	50	0.100

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	Sample Preparation:	2007-06-19	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.56**	mg/L	25	0.100

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.98**	mg/L	10	0.100

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**9.00**	mg/L	50	0.100

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**5.29**	mg/L	25	0.100

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**6.53**	mg/L	25	0.100

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**5.09**	mg/L	25	0.100

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.36**	mg/L	10	0.100

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**9.92**	mg/L	50	0.100

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**4.43**	mg/L	25	0.100

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**7.26**	mg/L	25	0.100

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.24**	mg/L	10	0.100

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**8.28**	mg/L	50	0.100

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**9.66**	mg/L	50	0.100

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	Sample Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**6.24**	mg/L	25	0.100

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39006	Date Analyzed:	2007-07-11	Analyzed By:	ER
Prep Batch:	33763	Sample Preparation:	2007-07-11	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.10**	mg/L	5	0.100

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39006	Date Analyzed:	2007-07-11	Analyzed By:	ER
Prep Batch:	33763	Sample Preparation:	2007-07-11	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**0.956**	mg/L	5	0.100

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**2.03**	mg/L	10	0.100

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**0.650**	mg/L	2	0.100

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.40**	mg/L	5	0.100

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	Sample Preparation:	2007-07-24	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**3.60**	mg/L	25	0.100

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39612	Date Analyzed:	2007-07-31	Analyzed By:	ER
Prep Batch:	34252	Sample Preparation:	2007-07-31	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<0.100	mg/L	1	0.100

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	39612	Date Analyzed:	2007-07-31	Analyzed By:	ER
Prep Batch:	34252	Sample Preparation:	2007-07-31	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**1.86**	mg/L	10	0.100

Method Blank (1) QC Batch: 38403

QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	QC Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 38799

QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	QC Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 38800

QC Batch:	38800	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33579	QC Preparation:	2007-07-03	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 39006

QC Batch:	39006	Date Analyzed:	2007-07-11	Analyzed By:	ER
Prep Batch:	33763	QC Preparation:	2007-07-11	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 39384

QC Batch:	39384	Date Analyzed:	2007-07-24	Analyzed By:	ER
Prep Batch:	34094	QC Preparation:	2007-07-24	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 39612

QC Batch:	39612	Date Analyzed:	2007-07-31	Analyzed By:	ER
Prep Batch:	34252	QC Preparation:	2007-07-31	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Laboratory Control Spike (LCS-1)

QC Batch:	38403	Date Analyzed:	2007-06-19	Analyzed By:	JS
Prep Batch:	33239	QC Preparation:	2007-06-19	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.139	mg/L	1	0.160	<0.0223	87	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.149	mg/L	1	0.160	<0.0223	93	77 - 122	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	38799	Date Analyzed:	2007-07-03	Analyzed By:	JS
Prep Batch:	33578	QC Preparation:	2007-07-03	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.172	mg/L	1	0.160	<0.0223	108	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.168	mg/L	1	0.160	<0.0223	105	77 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38800 | Date Analyzed: 2007-07-03 | Analyzed By: JS
Prep Batch: 33579 | QC Preparation: 2007-07-03 | Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.171	mg/L	1	0.160	<0.0223	107	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.171	mg/L	1	0.160	<0.0223	107	77 - 122	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39006 | Date Analyzed: 2007-07-11 | Analyzed By: ER
Prep Batch: 33763 | QC Preparation: 2007-07-11 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.164	mg/L	1	0.160	<0.0223	102	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.160	mg/L	1	0.160	<0.0223	100	77 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39384 | Date Analyzed: 2007-07-24 | Analyzed By: ER
Prep Batch: 34094 | QC Preparation: 2007-07-24 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.173	mg/L	1	0.160	<0.0223	108	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.168	mg/L	1	0.160	<0.0223	105	77 - 122	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39612 | Date Analyzed: 2007-07-31 | Analyzed By: ER
Prep Batch: 34252 | QC Preparation: 2007-07-31 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.169	mg/L	1	0.160	<0.0223	106	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.175	mg/L	1	0.160	<0.0223	109	77 - 122	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127273

QC Batch: 38403 Date Analyzed: 2007-06-19 Analyzed By: JS
Prep Batch: 33239 QC Preparation: 2007-06-19 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[1]	7.04	mg/L	100	16.0	13.2	-38	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[2]	5.71	mg/L	100	16.0	13.2	-45	10 - 208	21	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch: 38799 Date Analyzed: 2007-07-03 Analyzed By: JS
Prep Batch: 33578 QC Preparation: 2007-07-03 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[3]	5.39	mg/L	25	4.00	5.29	2	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	5.98	mg/L	25	4.00	5.29	17	10 - 208	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128857

QC Batch: 38800 Date Analyzed: 2007-07-03 Analyzed By: JS
Prep Batch: 33579 QC Preparation: 2007-07-03 Prepared By: JS

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[4]	8.15	mg/L	50	8.00	7.49	8	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[5]	7.95	mg/L	50	8.00	7.49	6	10 - 208	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129155

QC Batch: 39006 Date Analyzed: 2007-07-11 Analyzed By: ER
Prep Batch: 33763 QC Preparation: 2007-07-11 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	1.15	mg/L	5	0.800	0.956	24	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	1.15	mg/L	5	0.800	0.956	24	10 - 208	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39384 Date Analyzed: 2007-07-24 Analyzed By: ER
Prep Batch: 34094 QC Preparation: 2007-07-24 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	1.56	mg/L	5	0.800	1.4	20	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	1.52	mg/L	5	0.800	1.4	15	10 - 208	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130860

QC Batch: 39612 Date Analyzed: 2007-07-31 Analyzed By: ER
Prep Batch: 34252 QC Preparation: 2007-07-31 Prepared By: ER

[4] Matrix spike recovery out of control limits due to spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[5] Matrix spike recovery out of control limits due to spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[6]	1.95	mg/L	10	1.60	1.86	6	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[7]	1.83	mg/L	10	1.60	1.86	0	10 - 208	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38403 Date Analyzed: 2007-06-19 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.138	86	85 - 115	2007-06-19

Standard (CCV-1)

QC Batch: 38403 Date Analyzed: 2007-06-19 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.149	93	85 - 115	2007-06-19

Standard (ICV-1)

QC Batch: 38799 Date Analyzed: 2007-07-03 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.172	108	85 - 115	2007-07-03

Standard (CCV-1)

QC Batch: 38799 Date Analyzed: 2007-07-03 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.167	104	85 - 115	2007-07-03

Standard (ICV-1)

QC Batch: 38800 Date Analyzed: 2007-07-03 Analyzed By: JS

[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.167	104	85 - 115	2007-07-03

Standard (CCV-1)

QC Batch: 38800 Date Analyzed: 2007-07-03 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.171	107	85 - 115	2007-07-03

Standard (ICV-1)

QC Batch: 39006 Date Analyzed: 2007-07-11 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.175	109	85 - 115	2007-07-11

Standard (CCV-1)

QC Batch: 39006 Date Analyzed: 2007-07-11 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.166	104	85 - 115	2007-07-11

Standard (ICV-1)

QC Batch: 39384 Date Analyzed: 2007-07-24 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.168	105	85 - 115	2007-07-24

Standard (CCV-1)

QC Batch: 39384 Date Analyzed: 2007-07-24 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.157	98	85 - 115	2007-07-24

Standard (ICV-1)

QC Batch: 39612 Date Analyzed: 2007-07-31 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.173	108	85 - 115	2007-07-31

Standard (CCV-1)

QC Batch: 39612 Date Analyzed: 2007-07-31 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.161	101	85 - 115	2007-07-31

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
pH	SM 4500-H+

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38054	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32949	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.65**	s.u.	1	0.00

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38054	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32949	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.54**	s.u.	1	0.00

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38054	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32949	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.57**	s.u.	1	0.00

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38054	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32949	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.58**	s.u.	1	0.00

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38135 [a]	Date Analyzed:	2007-06-13	Analyzed By:	JS
Prep Batch:	33016	Sample Preparation:	2007-06-13	Prepared By:	JS

[a] samples were ran in the lab

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.78**		s.u.	1	0.00

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38135 [a]	Date Analyzed:	2007-06-13	Analyzed By:	JS
Prep Batch:	33016	Sample Preparation:	2007-06-13	Prepared By:	JS

[a]samples were ran in the lab

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.71**		s.u.	1	0.00

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38213	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33083	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.83**		s.u.	1	0.00

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38213	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33083	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.52**		s.u.	1	0.00

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38213	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33083	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.76**		s.u.	1	0.00

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38213	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33083	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.86**		s.u.	1	0.00

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38336	Date Analyzed:	2007-06-15	Analyzed By:	DR
Prep Batch:	33188	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.67**		s.u.	1	0.00

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38336	Date Analyzed:	2007-06-15	Analyzed By:	DR
Prep Batch:	33188	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.73**		s.u.	1	0.00

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38337	Date Analyzed:	2007-06-15	Analyzed By:	DR
Prep Batch:	33189	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.48**		s.u.	1	0.00

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38337	Date Analyzed:	2007-06-15	Analyzed By:	DR
Prep Batch:	33189	Sample Preparation:	2007-06-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.83**		s.u.	1	0.00

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38395	Date Analyzed:	2007-06-20	Analyzed By:	JG
Prep Batch:	33231	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.68**		s.u.	1	0.00

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38395	Date Analyzed:	2007-06-20	Analyzed By:	JG
Prep Batch:	33231	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.36**		s.u.	1	0.00

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38395	Date Analyzed:	2007-06-20	Analyzed By:	JG
Prep Batch:	33231	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.76**		s.u.	1	0.00

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38395	Date Analyzed:	2007-06-20	Analyzed By:	JG
Prep Batch:	33231	Sample Preparation:	2007-06-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.69**		s.u.	1	0.00

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38613	Date Analyzed:	2007-06-27	Analyzed By:	JG
Prep Batch:	33417	Sample Preparation:	2007-06-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.78**		s.u.	1	0.00

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38727	Date Analyzed:	2007-06-29	Analyzed By:	JG
Prep Batch:	33519	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.73**		s.u.	1	0.00

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38727	Date Analyzed:	2007-06-29	Analyzed By:	JG
Prep Batch:	33519	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.70**		s.u.	1	0.00

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38727	Date Analyzed:	2007-06-29	Analyzed By:	JG
Prep Batch:	33519	Sample Preparation:	2007-06-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.73**		s.u.	1	0.00

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38837	Date Analyzed:	2007-07-03	Analyzed By:	JR
Prep Batch:	33613	Sample Preparation:	2007-07-03	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.82**		s.u.	1	0.00

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	38837	Date Analyzed:	2007-07-03	Analyzed By:	JR
Prep Batch:	33613	Sample Preparation:	2007-07-03	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.81**		s.u.	1	0.00

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39317	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	34038	Sample Preparation:	2007-07-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.14**		s.u.	1	0.00

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39318	Date Analyzed:	2007-07-13	Analyzed By:	JG
Prep Batch:	34039	Sample Preparation:	2007-07-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**8.33**		s.u.	1	0.00

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39319	Date Analyzed:	2007-07-18	Analyzed By:	JG
Prep Batch:	34040	Sample Preparation:	2007-07-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.83**		s.u.	1	0.00

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39320	Date Analyzed:	2007-07-20	Analyzed By:	JG
Prep Batch:	34041	Sample Preparation:	2007-07-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39525	Date Analyzed:	2007-07-25	Analyzed By:	MD
Prep Batch:	34215	Sample Preparation:	2007-07-25	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**5.30**		s.u.	1	0.00

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39525	Date Analyzed:	2007-07-25	Analyzed By:	MD
Prep Batch:	34215	Sample Preparation:	2007-07-25	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.59**		s.u.	1	0.00

Duplicates (1)

QC Batch:	38054	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32949	QC Preparation:	2007-06-08	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.59	7.58	s.u.	1	0	20

Duplicates (1)

QC Batch:	38135	Date Analyzed:	2007-06-13	Analyzed By:	JS
Prep Batch:	33016	QC Preparation:	2007-06-13	Prepared By:	JS

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.82	7.78	s.u.	1	0	0.8

Duplicates (1)

QC Batch:	38213	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33083	QC Preparation:	2007-06-14	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.76	7.76	s.u.	1	0	20

Duplicates (1)

QC Batch:	38336	Date Analyzed:	2007-06-15	Analyzed By:	DR
Prep Batch:	33188	QC Preparation:	2007-06-15	Prepared By:	DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.77	7.73	s.u.	1	0	20

Duplicates (1)

QC Batch: 38337 Date Analyzed: 2007-06-15 Analyzed By: DR
Prep Batch: 33189 QC Preparation: 2007-06-15 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.48	7.48	s.u.	1	0	20

Duplicates (1)

QC Batch: 38395 Date Analyzed: 2007-06-20 Analyzed By: JG
Prep Batch: 33231 QC Preparation: 2007-06-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.11	7.12	s.u.	1	0	20

Duplicates (1)

QC Batch: 38613 Date Analyzed: 2007-06-27 Analyzed By: JG
Prep Batch: 33417 QC Preparation: 2007-06-27 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	6.94	6.96	s.u.	1	0	20

Duplicates (1)

QC Batch: 38727 Date Analyzed: 2007-06-29 Analyzed By: JG
Prep Batch: 33519 QC Preparation: 2007-06-29 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.73	7.73	s.u.	1	0	20

Duplicates (1)

QC Batch: 38837 Date Analyzed: 2007-07-03 Analyzed By: JR
Prep Batch: 33613 QC Preparation: 2007-07-03 Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.81	7.82	s.u.	1	0	20

Duplicates (1)

QC Batch: 39317 Date Analyzed: 2007-07-12 Analyzed By: JG
Prep Batch: 34038 QC Preparation: 2007-07-12 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.16	7.14	s.u.	1	0	20

Duplicates (1)

QC Batch: 39318 Date Analyzed: 2007-07-13 Analyzed By: JG
Prep Batch: 34039 QC Preparation: 2007-07-13 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	8.35	8.33	s.u.	1	0	20

Duplicates (1)

QC Batch: 39319 Date Analyzed: 2007-07-18 Analyzed By: JG
Prep Batch: 34040 QC Preparation: 2007-07-18 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	6.46	6.46	s.u.	1	0	20

Duplicates (1)

QC Batch: 39320 Date Analyzed: 2007-07-20 Analyzed By: JG
Prep Batch: 34041 QC Preparation: 2007-07-20 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.79	7.75	s.u.	1	0	20

Duplicates (1)

QC Batch: 39525 Date Analyzed: 2007-07-25 Analyzed By: MD
Prep Batch: 34215 QC Preparation: 2007-07-25 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.60	7.59	s.u.	1	0	20

Standard (ICV-1)

QC Batch: 38054 Date Analyzed: 2007-06-08 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-06-08

Standard (CCV-1)

QC Batch: 38054 Date Analyzed: 2007-06-08 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-06-08

Standard (ICV-1)

QC Batch: 38135 Date Analyzed: 2007-06-13 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.12	102	98 - 102	2007-06-13

Standard (CCV-1)

QC Batch: 38135 Date Analyzed: 2007-06-13 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98 - 102	2007-06-13

Standard (ICV-1)

QC Batch: 38213 Date Analyzed: 2007-06-14 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-06-14

Standard (CCV-1)

QC Batch: 38213 Date Analyzed: 2007-06-14 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-06-14

Standard (ICV-1)

QC Batch: 38336 Date Analyzed: 2007-06-15 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-06-15

Standard (CCV-1)

QC Batch: 38336 Date Analyzed: 2007-06-15 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-06-15

Standard (ICV-1)

QC Batch: 38337 Date Analyzed: 2007-06-15 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-06-15

Standard (CCV-1)

QC Batch: 38337 Date Analyzed: 2007-06-15 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-06-15

Standard (ICV-1)

QC Batch: 38395 Date Analyzed: 2007-06-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.94	99	98.8 - 101	2007-06-20

Standard (CCV-1)

QC Batch: 38395 Date Analyzed: 2007-06-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-06-20

Standard (ICV-1)

QC Batch: 38613 Date Analyzed: 2007-06-27 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98.8 - 101	2007-06-27

Standard (CCV-1)

QC Batch: 38613 Date Analyzed: 2007-06-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98.8 - 101	2007-06-27

Standard (ICV-1)

QC Batch: 38727 Date Analyzed: 2007-06-29 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.94	99	98.8 - 101	2007-06-29

Standard (CCV-1)

QC Batch: 38727 Date Analyzed: 2007-06-29 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-06-29

Standard (ICV-1)

QC Batch: 38837 Date Analyzed: 2007-07-03 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-07-03

Standard (CCV-1)

QC Batch: 38837 Date Analyzed: 2007-07-03 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-07-03

Standard (ICV-1)

QC Batch: 39317 Date Analyzed: 2007-07-12 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-07-12

Standard (CCV-1)

QC Batch: 39317 Date Analyzed: 2007-07-12 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98.8 - 101	2007-07-12

Standard (ICV-1)

QC Batch: 39318 Date Analyzed: 2007-07-13 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-07-13

Standard (CCV-1)

QC Batch: 39318 Date Analyzed: 2007-07-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-07-13

Standard (ICV-1)

QC Batch: 39319 Date Analyzed: 2007-07-18 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-07-18

Standard (CCV-1)

QC Batch: 39319 Date Analyzed: 2007-07-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-07-18

Standard (ICV-1)

QC Batch: 39320 Date Analyzed: 2007-07-20 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-07-20

Standard (CCV-1)

QC Batch: 39320 Date Analyzed: 2007-07-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-07-20

Standard (ICV-1)

QC Batch: 39525 Date Analyzed: 2007-07-25 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-07-25

Standard (CCV-1)

QC Batch: 39525 Date Analyzed: 2007-07-25 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.00	100	98.8 - 101	2007-07-25

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Conductivity	SM 2510B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38058	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32953	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**408**		uMHOS/cm	1	0.00

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38058	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32953	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**556**		uMHOS/cm	1	0.00

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38058	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32953	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**697**		uMHOS/cm	1	0.00

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38058	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32953	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**694**		uMHOS/cm	1	0.00

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**796**	uMHOS/cm	1	0.00

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**809**	uMHOS/cm	1	0.00

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**322**	uMHOS/cm	1	0.00

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**891**	uMHOS/cm	1	0.00

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**443**	uMHOS/cm	1	0.00

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**310**		uMHOS/cm	1	0.00

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38328	Date Analyzed:	2007-06-19	Analyzed By:	DR
Prep Batch:	33183	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**679**		uMHOS/cm	1	0.00

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38328	Date Analyzed:	2007-06-19	Analyzed By:	DR
Prep Batch:	33183	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**479**		uMHOS/cm	1	0.00

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38328	Date Analyzed:	2007-06-19	Analyzed By:	DR
Prep Batch:	33183	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**749**		uMHOS/cm	1	0.00

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38328	Date Analyzed:	2007-06-19	Analyzed By:	DR
Prep Batch:	33183	Sample Preparation:	2007-06-19	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**392**		uMHOS/cm	1	0.00

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38436	Date Analyzed:	2007-06-22	Analyzed By:	DR
Prep Batch:	33262	Sample Preparation:	2007-06-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**383**		uMHOS/cm	1	0.00

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38436	Date Analyzed:	2007-06-22	Analyzed By:	DR
Prep Batch:	33262	Sample Preparation:	2007-06-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**147**		uMHOS/cm	1	0.00

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38436	Date Analyzed:	2007-06-22	Analyzed By:	DR
Prep Batch:	33262	Sample Preparation:	2007-06-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**521**		uMHOS/cm	1	0.00

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38436	Date Analyzed:	2007-06-22	Analyzed By:	DR
Prep Batch:	33262	Sample Preparation:	2007-06-22	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**543**		uMHOS/cm	1	0.00

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38725	Date Analyzed:	2007-07-02	Analyzed By:	JR
Prep Batch:	33518	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**325**		uMHOS/cm	1	0.00

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38725	Date Analyzed:	2007-07-02	Analyzed By:	JR
Prep Batch:	33518	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**672**		uMHOS/cm	1	0.00

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38725	Date Analyzed:	2007-07-02	Analyzed By:	JR
Prep Batch:	33518	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**674**		uMHOS/cm	1	0.00

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	38725	Date Analyzed:	2007-07-02	Analyzed By:	JR
Prep Batch:	33518	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**466**		uMHOS/cm	1	0.00

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39146	Date Analyzed:	2007-07-17	Analyzed By:	JR
Prep Batch:	33880	Sample Preparation:	2007-07-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**316**		uMHOS/cm	1	0.00

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39146	Date Analyzed:	2007-07-17	Analyzed By:	JR
Prep Batch:	33880	Sample Preparation:	2007-07-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**315**		uMHOS/cm	1	0.00

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39146	Date Analyzed:	2007-07-17	Analyzed By:	JR
Prep Batch:	33880	Sample Preparation:	2007-07-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**336**		uMHOS/cm	1	0.00

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39146	Date Analyzed:	2007-07-17	Analyzed By:	JR
Prep Batch:	33880	Sample Preparation:	2007-07-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**216**		uMHOS/cm	1	0.00

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39271	Date Analyzed:	2007-07-20	Analyzed By:	JR
Prep Batch:	33991	Sample Preparation:	2007-07-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**316**		uMHOS/cm	1	0.00

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39271	Date Analyzed:	2007-07-20	Analyzed By:	JR
Prep Batch:	33991	Sample Preparation:	2007-07-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**462**		uMHOS/cm	1	0.00

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39756	Date Analyzed:	2007-08-06	Analyzed By:	MD
Prep Batch:	34418	Sample Preparation:	2007-08-06	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**3.83**		uMHOS/cm	1	0.00

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39756	Date Analyzed:	2007-08-06	Analyzed By:	MD
Prep Batch:	34418	Sample Preparation:	2007-08-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**360**	uMHOS/cm	1	0.00

Method Blank (1) QC Batch: 38058

QC Batch:	38058	Date Analyzed:	2007-06-08	Analyzed By:	DR
Prep Batch:	32953	QC Preparation:	2007-06-08	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 38214

QC Batch:	38214	Date Analyzed:	2007-06-14	Analyzed By:	DR
Prep Batch:	33084	QC Preparation:	2007-06-14	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 38328

QC Batch:	38328	Date Analyzed:	2007-06-19	Analyzed By:	DR
Prep Batch:	33183	QC Preparation:	2007-06-19	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 38436

QC Batch:	38436	Date Analyzed:	2007-06-22	Analyzed By:	DR
Prep Batch:	33262	QC Preparation:	2007-06-22	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 38725

QC Batch: 38725 Date Analyzed: 2007-07-02 Analyzed By: JR
Prep Batch: 33518 QC Preparation: 2007-07-02 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 39146

QC Batch: 39146 Date Analyzed: 2007-07-17 Analyzed By: JR
Prep Batch: 33880 QC Preparation: 2007-07-17 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 39271

QC Batch: 39271 Date Analyzed: 2007-07-20 Analyzed By: JR
Prep Batch: 33991 QC Preparation: 2007-07-20 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 39756

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD
Prep Batch: 34418 QC Preparation: 2007-08-06 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Duplicates (1)

QC Batch: 38058 Date Analyzed: 2007-06-08 Analyzed By: DR
Prep Batch: 32953 QC Preparation: 2007-06-08 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	698	697	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 38214 Date Analyzed: 2007-06-14 Analyzed By: DR
Prep Batch: 33084 QC Preparation: 2007-06-14 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	444	443	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 38328 Date Analyzed: 2007-06-19 Analyzed By: DR
Prep Batch: 33183 QC Preparation: 2007-06-19 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	748	749	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 38436 Date Analyzed: 2007-06-22 Analyzed By: DR
Prep Batch: 33262 QC Preparation: 2007-06-22 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	384	383	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 38725 Date Analyzed: 2007-07-02 Analyzed By: JR
Prep Batch: 33518 QC Preparation: 2007-07-02 Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	673	672	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 39146 Date Analyzed: 2007-07-17 Analyzed By: JR
Prep Batch: 33880 QC Preparation: 2007-07-17 Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	337	336	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD
Prep Batch: 34418 QC Preparation: 2007-08-06 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	7730	7720	uMHOS/cm	1		6.7

Standard (ICV-1)

QC Batch: 38058 Date Analyzed: 2007-06-08 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-06-08

Standard (CCV-1)

QC Batch: 38058 Date Analyzed: 2007-06-08 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-06-08

Standard (ICV-1)

QC Batch: 38214 Date Analyzed: 2007-06-14 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-06-14

Standard (CCV-1)

QC Batch: 38214 Date Analyzed: 2007-06-14 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-06-14

Standard (ICV-1)

QC Batch: 38328 Date Analyzed: 2007-06-19 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-06-19

Standard (CCV-1)

QC Batch: 38328 Date Analyzed: 2007-06-19 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-06-19

Standard (ICV-1)

QC Batch: 38436 Date Analyzed: 2007-06-22 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-06-22

Standard (CCV-1)

QC Batch: 38436 Date Analyzed: 2007-06-22 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-06-22

Standard (ICV-1)

QC Batch: 38725 Date Analyzed: 2007-07-02 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-07-02

Standard (CCV-1)

QC Batch: 38725 Date Analyzed: 2007-07-02 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-07-02

Standard (ICV-1)

QC Batch: 39146 Date Analyzed: 2007-07-17 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-07-17

Standard (CCV-1)

QC Batch: 39146 Date Analyzed: 2007-07-17 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-07-17

Standard (ICV-1)

QC Batch: 39271 Date Analyzed: 2007-07-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-07-20

Standard (CCV-1)

QC Batch: 39271 Date Analyzed: 2007-07-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-07-20

Standard (ICV-1)

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-06

Standard (CCV-1)

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-06

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TDS	SM 2540C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38103	Date Analyzed:	2007-06-08	Analyzed By:	JG
Prep Batch:	32990	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**286**		mg/L	1	5.00

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38103	Date Analyzed:	2007-06-08	Analyzed By:	JG
Prep Batch:	32990	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**388**		mg/L	1	5.00

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38103	Date Analyzed:	2007-06-08	Analyzed By:	JG
Prep Batch:	32990	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**472**		mg/L	1	5.00

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38103	Date Analyzed:	2007-06-08	Analyzed By:	JG
Prep Batch:	32990	Sample Preparation:	2007-06-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**474**		mg/L	1	5.00

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38325	Date Analyzed:	2007-06-19	Analyzed By:	ER
Prep Batch:	33182	Sample Preparation:	2007-06-13	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**553.0**	mg/L	1	10.00

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38325	Date Analyzed:	2007-06-19	Analyzed By:	ER
Prep Batch:	33182	Sample Preparation:	2007-06-13	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**559.0**	mg/L	1	10.00

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38331	Date Analyzed:	2007-06-14	Analyzed By:	JG
Prep Batch:	33184	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**234**	mg/L	1	5.00

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38331	Date Analyzed:	2007-06-14	Analyzed By:	JG
Prep Batch:	33184	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**568**	mg/L	1	5.00

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38331	Date Analyzed:	2007-06-14	Analyzed By:	JG
Prep Batch:	33184	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**278**	mg/L	1	5.00

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38331	Date Analyzed:	2007-06-14	Analyzed By:	JG
Prep Batch:	33184	Sample Preparation:	2007-06-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**206**		mg/L	1	5.00

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38732	Date Analyzed:	2007-06-18	Analyzed By:	JG
Prep Batch:	33523	Sample Preparation:	2007-06-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**446**		mg/L	1	5.00

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38732	Date Analyzed:	2007-06-18	Analyzed By:	JG
Prep Batch:	33523	Sample Preparation:	2007-06-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**326**		mg/L	1	5.00

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38732	Date Analyzed:	2007-06-18	Analyzed By:	JG
Prep Batch:	33523	Sample Preparation:	2007-06-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**520**		mg/L	1	5.00

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38732	Date Analyzed:	2007-06-18	Analyzed By:	JG
Prep Batch:	33523	Sample Preparation:	2007-06-18	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**260**		mg/L	1	5.00

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38733	Date Analyzed:	2007-06-25	Analyzed By:	JG
Prep Batch:	33524	Sample Preparation:	2007-06-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**286**	mg/L	1	5.00

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38733	Date Analyzed:	2007-06-25	Analyzed By:	JG
Prep Batch:	33524	Sample Preparation:	2007-06-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**1110**	mg/L	1	5.00

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38733	Date Analyzed:	2007-06-25	Analyzed By:	JG
Prep Batch:	33524	Sample Preparation:	2007-06-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**346**	mg/L	1	5.00

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38733	Date Analyzed:	2007-06-25	Analyzed By:	JG
Prep Batch:	33524	Sample Preparation:	2007-06-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**406**	mg/L	1	5.00

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38836	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33612	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**222**	mg/L	1	5.00

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38836	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33612	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**448**		mg/L	1	5.00

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38836	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33612	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**444**		mg/L	1	5.00

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	38836	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33612	Sample Preparation:	2007-07-02	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**308**		mg/L	1	5.00

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39211	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33938	Sample Preparation:	2007-07-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**214**		mg/L	1	5.00

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39211	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33938	Sample Preparation:	2007-07-09	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**220**		mg/L	1	5.00

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39212	Date Analyzed:	2007-07-16	Analyzed By:	JG
Prep Batch:	33937	Sample Preparation:	2007-07-16	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**240**	mg/L	1	5.00

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39212	Date Analyzed:	2007-07-16	Analyzed By:	JG
Prep Batch:	33937	Sample Preparation:	2007-07-16	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**158**	mg/L	1	5.00

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39748	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34410	Sample Preparation:	2007-07-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**224**	mg/L	1	5.00

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39748	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34410	Sample Preparation:	2007-07-23	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**318**	mg/L	1	5.00

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39749	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34411	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**8.00**	mg/L	1	5.00

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39749	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34411	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**242**	mg/L	1	5.00

Method Blank (1) QC Batch: 38103

QC Batch:	38103	Date Analyzed:	2007-06-08	Analyzed By:	JG
Prep Batch:	32990	QC Preparation:	2007-06-08	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 38325

QC Batch:	38325	Date Analyzed:	2007-06-19	Analyzed By:	ER
Prep Batch:	33182	QC Preparation:	2007-06-13	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 38331

QC Batch:	38331	Date Analyzed:	2007-06-14	Analyzed By:	JG
Prep Batch:	33184	QC Preparation:	2007-06-14	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 38732

QC Batch:	38732	Date Analyzed:	2007-06-18	Analyzed By:	JG
Prep Batch:	33523	QC Preparation:	2007-06-18	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 38733

QC Batch:	38733	Date Analyzed:	2007-06-25	Analyzed By:	JG
Prep Batch:	33524	QC Preparation:	2007-06-25	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 38836

QC Batch:	38836	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33612	QC Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 39211

QC Batch:	39211	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33938	QC Preparation:	2007-07-09	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 39212

QC Batch:	39212	Date Analyzed:	2007-07-16	Analyzed By:	JG
Prep Batch:	33937	QC Preparation:	2007-07-16	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 39748

QC Batch:	39748	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34410	QC Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 39749

QC Batch: 39749 | Date Analyzed: 2007-07-27 | Analyzed By: JG
Prep Batch: 34411 | QC Preparation: 2007-07-27 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Duplicates (1)

QC Batch: 38103 | Date Analyzed: 2007-06-08 | Analyzed By: JG
Prep Batch: 32990 | QC Preparation: 2007-06-08 | Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	478	474	mg/L	1	1	20

Duplicates (1)

QC Batch: 38325 | Date Analyzed: 2007-06-19 | Analyzed By: ER
Prep Batch: 33182 | QC Preparation: 2007-06-13 | Prepared By: ER

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	718.0	754.0	mg/L	2	5	17.2

Duplicates (1)

QC Batch: 38331 | Date Analyzed: 2007-06-14 | Analyzed By: JG
Prep Batch: 33184 | QC Preparation: 2007-06-14 | Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	200	206	mg/L	1	3	20

Duplicates (1)

QC Batch: 38732 | Date Analyzed: 2007-06-18 | Analyzed By: JG
Prep Batch: 33523 | QC Preparation: 2007-06-18 | Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	512	520	mg/L	1	2	20

Duplicates (1)

QC Batch: 38733 Date Analyzed: 2007-06-25 Analyzed By: JG
Prep Batch: 33524 QC Preparation: 2007-06-25 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	288	286	mg/L	1	1	20

Duplicates (1)

QC Batch: 38836 Date Analyzed: 2007-07-02 Analyzed By: JG
Prep Batch: 33612 QC Preparation: 2007-07-02 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	320	308	mg/L	1	4	20

Duplicates (1)

QC Batch: 39211 Date Analyzed: 2007-07-09 Analyzed By: JG
Prep Batch: 33938 QC Preparation: 2007-07-09 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	222	220	mg/L	1	1	20

Duplicates (1)

QC Batch: 39212 Date Analyzed: 2007-07-16 Analyzed By: JG
Prep Batch: 33937 QC Preparation: 2007-07-16 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	162	158	mg/L	1	2	20

Duplicates (1)

QC Batch: 39748 Date Analyzed: 2007-07-23 Analyzed By: JG
Prep Batch: 34410 QC Preparation: 2007-07-23 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	302	318	mg/L	1	5	20

Duplicates (1)

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG
Prep Batch: 34411 QC Preparation: 2007-07-27 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	246	242	mg/L	1	2	20

Standard (ICV-1)

QC Batch: 38103 Date Analyzed: 2007-06-08 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-06-08

Standard (CCV-1)

QC Batch: 38103 Date Analyzed: 2007-06-08 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-06-08

Standard (ICV-1)

QC Batch: 38325 Date Analyzed: 2007-06-19 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	978.0	98	90 - 110	2007-06-19

Standard (CCV-1)

QC Batch: 38325 Date Analyzed: 2007-06-19 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	991.0	99	90 - 110	2007-06-19

Standard (ICV-1)

QC Batch: 38331 Date Analyzed: 2007-06-14 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-06-14

Standard (CCV-1)

QC Batch: 38331 Date Analyzed: 2007-06-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-06-14

Standard (ICV-1)

QC Batch: 38732 Date Analyzed: 2007-06-18 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	992	99	94.4 - 106	2007-06-18

Standard (CCV-1)

QC Batch: 38732 Date Analyzed: 2007-06-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	997	100	94.4 - 106	2007-06-18

Standard (ICV-1)

QC Batch: 38733 Date Analyzed: 2007-06-25 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-06-25

Standard (CCV-1)

QC Batch: 38733 Date Analyzed: 2007-06-25 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-06-25

Standard (ICV-1)

QC Batch: 38836 Date Analyzed: 2007-07-02 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-07-02

Standard (CCV-1)

QC Batch: 38836 Date Analyzed: 2007-07-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-07-02

Standard (ICV-1)

QC Batch: 39211 Date Analyzed: 2007-07-09 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1030	103	94.4 - 106	2007-07-09

Standard (CCV-1)

QC Batch: 39211 Date Analyzed: 2007-07-09 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-07-09

Standard (ICV-1)

QC Batch: 39212 Date Analyzed: 2007-07-16 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	998	100	94.4 - 106	2007-07-16

Standard (CCV-1)

QC Batch: 39212 Date Analyzed: 2007-07-16 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-07-16

Standard (ICV-1)

QC Batch: 39748 Date Analyzed: 2007-07-23 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-07-23

Standard (CCV-1)

QC Batch: 39748 Date Analyzed: 2007-07-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	968	97	94.4 - 106	2007-07-23

Standard (ICV-1)

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-07-27

Standard (CCV-1)

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-07-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 21 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Hg, Total	S 7470A

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38121	Date Analyzed:	2007-06-13	Analyzed By:	TP
Prep Batch:	33004	Sample Preparation:	2007-06-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38121	Date Analyzed:	2007-06-13	Analyzed By:	TP
Prep Batch:	33004	Sample Preparation:	2007-06-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38121	Date Analyzed:	2007-06-13	Analyzed By:	TP
Prep Batch:	33004	Sample Preparation:	2007-06-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38121	Date Analyzed:	2007-06-13	Analyzed By:	TP
Prep Batch:	33004	Sample Preparation:	2007-06-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38288	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	Sample Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38287	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	Sample Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38288	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	Sample Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38288	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	Sample Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38288	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	Sample Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38288	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	Sample Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	Sample Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38731	Date Analyzed:	2007-07-03	Analyzed By:	TP
Prep Batch:	33521	Sample Preparation:	2007-07-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38731	Date Analyzed:	2007-07-03	Analyzed By:	TP
Prep Batch:	33521	Sample Preparation:	2007-07-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38731	Date Analyzed:	2007-07-03	Analyzed By:	TP
Prep Batch:	33521	Sample Preparation:	2007-07-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38731	Date Analyzed:	2007-07-03	Analyzed By:	TP
Prep Batch:	33521	Sample Preparation:	2007-07-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38940	Date Analyzed:	2007-07-11	Analyzed By:	TP
Prep Batch:	33701	Sample Preparation:	2007-07-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	38940	Date Analyzed:	2007-07-11	Analyzed By:	TP
Prep Batch:	33701	Sample Preparation:	2007-07-11	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	39245	Date Analyzed:	2007-07-19	Analyzed By:	TP
Prep Batch:	33955	Sample Preparation:	2007-07-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	39245	Date Analyzed:	2007-07-19	Analyzed By:	TP
Prep Batch:	33955	Sample Preparation:	2007-07-19	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	39356	Date Analyzed:	2007-07-24	Analyzed By:	TP
Prep Batch:	34033	Sample Preparation:	2007-07-23	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	39356	Date Analyzed:	2007-07-24	Analyzed By:	TP
Prep Batch:	34033	Sample Preparation:	2007-07-23	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	39504	Date Analyzed:	2007-07-30	Analyzed By:	TP
Prep Batch:	34193	Sample Preparation:	2007-07-30	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	39504	Date Analyzed:	2007-07-30	Analyzed By:	TP
Prep Batch:	34193	Sample Preparation:	2007-07-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Method Blank (1) QC Batch: 38121

QC Batch:	38121	Date Analyzed:	2007-06-13	Analyzed By:	TP
Prep Batch:	33004	QC Preparation:	2007-06-13	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 38287

QC Batch:	38287	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	QC Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 38288

QC Batch:	38288	Date Analyzed:	2007-06-18	Analyzed By:	TP
Prep Batch:	33148	QC Preparation:	2007-06-18	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 38509

QC Batch:	38509	Date Analyzed:	2007-06-25	Analyzed By:	TP
Prep Batch:	33314	QC Preparation:	2007-06-25	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 38731

QC Batch:	38731	Date Analyzed:	2007-07-03	Analyzed By:	TP
Prep Batch:	33521	QC Preparation:	2007-07-02	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 38940

QC Batch:	38940	Date Analyzed:	2007-07-11	Analyzed By:	TP
Prep Batch:	33701	QC Preparation:	2007-07-11	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 39245

QC Batch:	39245	Date Analyzed:	2007-07-19	Analyzed By:	TP
Prep Batch:	33955	QC Preparation:	2007-07-19	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 39356

QC Batch:	39356	Date Analyzed:	2007-07-24	Analyzed By:	TP
Prep Batch:	34033	QC Preparation:	2007-07-23	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 39504

QC Batch:	39504	Date Analyzed:	2007-07-30	Analyzed By:	TP
Prep Batch:	34193	QC Preparation:	2007-07-30	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Laboratory Control Spike (LCS-1)

QC Batch: 38121 Date Analyzed: 2007-06-13 Analyzed By: TP
Prep Batch: 33004 QC Preparation: 2007-06-13 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38287 Date Analyzed: 2007-06-18 Analyzed By: TP
Prep Batch: 33148 QC Preparation: 2007-06-18 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000920	mg/L	1	0.00100	<0.0000336	92	85.8 - 107.3	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38288 Date Analyzed: 2007-06-18 Analyzed By: TP
Prep Batch: 33148 QC Preparation: 2007-06-18 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000920	mg/L	1	0.00100	<0.0000336	92	85.8 - 107.3	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38509 Date Analyzed: 2007-06-25 Analyzed By: TP
Prep Batch: 33314 QC Preparation: 2007-06-25 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38731 Date Analyzed: 2007-07-03 Analyzed By: TP
Prep Batch: 33521 QC Preparation: 2007-07-02 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000990	mg/L	1	0.00100	<0.0000336	99	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	85.8 - 107.3	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38940 Date Analyzed: 2007-07-11 Analyzed By: TP
Prep Batch: 33701 QC Preparation: 2007-07-11 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000336	104	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39245 Date Analyzed: 2007-07-19 Analyzed By: TP
Prep Batch: 33955 QC Preparation: 2007-07-19 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00100	mg/L	1	0.00100	<0.0000336	100	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000336	95	85.8 - 107.3	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39356 Date Analyzed: 2007-07-24 Analyzed By: TP
Prep Batch: 34033 QC Preparation: 2007-07-23 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00107	mg/L	1	0.00100	<0.0000336	107	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	85.8 - 107.3	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39504 Date Analyzed: 2007-07-30 Analyzed By: TP
Prep Batch: 34193 QC Preparation: 2007-07-30 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 126993

QC Batch: 38121 Date Analyzed: 2007-06-13 Analyzed By: TP
Prep Batch: 33004 QC Preparation: 2007-06-13 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00107	mg/L	1	0.00100	<0.0000336	107	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	77.5 - 108.9	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127194

QC Batch: 38287 Date Analyzed: 2007-06-18 Analyzed By: TP
Prep Batch: 33148 QC Preparation: 2007-06-18 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	77.5 - 108.9	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127196

QC Batch: 38288 Date Analyzed: 2007-06-18 Analyzed By: TP
Prep Batch: 33148 QC Preparation: 2007-06-18 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch: 38509 Date Analyzed: 2007-06-25 Analyzed By: TP
Prep Batch: 33314 QC Preparation: 2007-06-25 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128696

QC Batch: 38731 Date Analyzed: 2007-07-03 Analyzed By: TP
Prep Batch: 33521 QC Preparation: 2007-07-02 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	77.5 - 108.9	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129423

QC Batch: 38940 Date Analyzed: 2007-07-11 Analyzed By: TP
Prep Batch: 33701 QC Preparation: 2007-07-11 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury [1]	0.00128	mg/L	1	0.00100	0.00018	110	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury [2]	0.00127	mg/L	1	0.00100	0.00018	109	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129834

QC Batch: 39245 Date Analyzed: 2007-07-19 Analyzed By: TP
Prep Batch: 33955 QC Preparation: 2007-07-19 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000970	mg/L	1	0.00100	<0.0000336	97	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39356 Date Analyzed: 2007-07-24 Analyzed By: TP
Prep Batch: 34033 QC Preparation: 2007-07-23 Prepared By: TP

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000336	105	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	77.5 - 108.9	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130858

QC Batch: 39504 Date Analyzed: 2007-07-30 Analyzed By: TP
Prep Batch: 34193 QC Preparation: 2007-07-30 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00102	mg/L	1	0.00100	<0.0000336	102	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38121 Date Analyzed: 2007-06-13 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00108	108	80 - 120	2007-06-13

Standard (CCV-1)

QC Batch: 38121 Date Analyzed: 2007-06-13 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-06-13

Standard (ICV-1)

QC Batch: 38287 Date Analyzed: 2007-06-18 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-06-18

Standard (CCV-1)

QC Batch: 38287 Date Analyzed: 2007-06-18 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-06-18

Standard (ICV-1)

QC Batch: 38288 Date Analyzed: 2007-06-18 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-06-18

Standard (CCV-1)

QC Batch: 38288 Date Analyzed: 2007-06-18 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00103	103	80 - 120	2007-06-18

Standard (ICV-1)

QC Batch: 38509 Date Analyzed: 2007-06-25 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000990	99	80 - 120	2007-06-25

Standard (CCV-1)

QC Batch: 38509 Date Analyzed: 2007-06-25 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-06-25

Standard (ICV-1)

QC Batch: 38731 Date Analyzed: 2007-07-03 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-07-03

Standard (CCV-1)

QC Batch: 38731 Date Analyzed: 2007-07-03 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000960	96	80 - 120	2007-07-03

Standard (ICV-1)

QC Batch: 38940 Date Analyzed: 2007-07-11 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00103	103	80 - 120	2007-07-11

Standard (CCV-1)

QC Batch: 38940 Date Analyzed: 2007-07-11 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00109	109	80 - 120	2007-07-11

Standard (ICV-1)

QC Batch: 39245 Date Analyzed: 2007-07-19 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-07-19

Standard (CCV-1)

QC Batch: 39245 Date Analyzed: 2007-07-19 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-07-19

Standard (ICV-1)

QC Batch: 39356 Date Analyzed: 2007-07-24 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00105	105	80 - 120	2007-07-24

Standard (CCV-1)

QC Batch: 39356 Date Analyzed: 2007-07-24 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00106	106	80 - 120	2007-07-24

Standard (ICV-1)

QC Batch: 39504 Date Analyzed: 2007-07-30 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-07-30

Standard (CCV-1)

QC Batch: 39504 Date Analyzed: 2007-07-30 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2007-07-30

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Total Cyanide	SM 4500-CN C,E

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.204**	mg/L	1	0.0100

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.289**	mg/L	2	0.0100

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.230**	mg/L	1	0.0100

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.459**	mg/L	2	0.0100

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.449**	mg/L	2	0.0100

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0244**	mg/L	1	0.0100

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.144**	mg/L	2	0.0100

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0241**	mg/L	1	0.0100

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	Sample Preparation:	2007-06-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.0241**	mg/L	1	0.0100

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38371	Date Analyzed:	2007-06-20	Analyzed By:	JS
Prep Batch:	33216	Sample Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.0880**	mg/L	1	0.0100

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38371	Date Analyzed:	2007-06-20	Analyzed By:	JS
Prep Batch:	33216	Sample Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.0951**	mg/L	1	0.0100

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38371	Date Analyzed:	2007-06-20	Analyzed By:	JS
Prep Batch:	33216	Sample Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.319**	mg/L	2	0.0100

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38371	Date Analyzed:	2007-06-20	Analyzed By:	JS
Prep Batch:	33216	Sample Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.0896**	mg/L	1	0.0100

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38645	Date Analyzed:	2007-06-28	Analyzed By:	JS
Prep Batch:	33452	Sample Preparation:	2007-06-27	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38645	Date Analyzed:	2007-06-28	Analyzed By:	JS
Prep Batch:	33452	Sample Preparation:	2007-06-27	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38645	Date Analyzed:	2007-06-28	Analyzed By:	JS
Prep Batch:	33452	Sample Preparation:	2007-06-27	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.124**	mg/L	1	0.0100

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38645	Date Analyzed:	2007-06-28	Analyzed By:	JS
Prep Batch:	33452	Sample Preparation:	2007-06-27	Prepared By:	ER

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.0876**	mg/L	1	0.0100

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38850	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33624	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38850	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33624	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.109**	mg/L	1	0.0100

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38850	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33624	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.176**	mg/L	1	0.0100

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38850	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33624	Sample Preparation:	2007-07-06	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		**0.186**	mg/L	1	0.0100

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38965 [a]	Date Analyzed:	2007-07-10	Analyzed By:	JS
Prep Batch:	33723	Sample Preparation:	2007-07-10	Prepared By:	SM

[a]ms/msd ran with QC:38960 rpd 3.5

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	38965 [a]	Date Analyzed:	2007-07-10	Analyzed By:	JS
Prep Batch:	33723	Sample Preparation:	2007-07-10	Prepared By:	SM

[a]ms/msd ran with QC:38960 rpd 3.5

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	39362	Date Analyzed:	2007-07-20	Analyzed By:	JS
Prep Batch:	34036	Sample Preparation:	2007-07-20	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	39362	Date Analyzed:	2007-07-20	Analyzed By:	JS
Prep Batch:	34036	Sample Preparation:	2007-07-20	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	39362	Date Analyzed:	2007-07-20	Analyzed By:	JS
Prep Batch:	34036	Sample Preparation:	2007-07-20	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0135**	mg/L	1	0.0100

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	39519	Date Analyzed:	2007-07-27	Analyzed By:	MM
Prep Batch:	34211	Sample Preparation:	2007-07-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0124**	mg/L	1	0.0100

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	39519	Date Analyzed:	2007-07-27	Analyzed By:	MM
Prep Batch:	34211	Sample Preparation:	2007-07-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	39519	Date Analyzed:	2007-07-27	Analyzed By:	MM
Prep Batch:	34211	Sample Preparation:	2007-07-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		**0.0126**	mg/L	1	0.0100

Method Blank (1) QC Batch: 38300

QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	QC Preparation:	2007-06-16	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38371

QC Batch:	38371	Date Analyzed:	2007-06-20	Analyzed By:	JS
Prep Batch:	33216	QC Preparation:	2007-06-19	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38645

QC Batch:	38645	Date Analyzed:	2007-06-28	Analyzed By:	JS
Prep Batch:	33452	QC Preparation:	2007-06-27	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38850

QC Batch:	38850	Date Analyzed:	2007-07-06	Analyzed By:	MM
Prep Batch:	33624	QC Preparation:	2007-07-06	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 38965

QC Batch:	38965	Date Analyzed:	2007-07-10	Analyzed By:	JS
Prep Batch:	33723	QC Preparation:	2007-07-10	Prepared By:	JL

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 39362

QC Batch:	39362	Date Analyzed:	2007-07-20	Analyzed By:	JS
Prep Batch:	34036	QC Preparation:	2007-07-23	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 39519

QC Batch:	39519	Date Analyzed:	2007-07-27	Analyzed By:	MM
Prep Batch:	34211	QC Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	38300	Date Analyzed:	2007-06-16	Analyzed By:	WB
Prep Batch:	33158	QC Preparation:	2007-06-16	Prepared By:	WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.115	mg/L	1	0.120	<0.000829	96	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.116	mg/L	1	0.120	<0.000829	97	65.5 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38371 Date Analyzed: 2007-06-20 Analyzed By: JS
Prep Batch: 33216 QC Preparation: 2007-06-19 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.122	mg/L	1	0.120	<0.000829	102	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.123	mg/L	1	0.120	<0.000829	102	65.5 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38645 Date Analyzed: 2007-06-28 Analyzed By: JS
Prep Batch: 33452 QC Preparation: 2007-06-27 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0793	mg/L	1	0.120	<0.000829	66	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0793	mg/L	1	0.120	<0.000829	66	65.5 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38850 Date Analyzed: 2007-07-06 Analyzed By: MM
Prep Batch: 33624 QC Preparation: 2007-07-06 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0850	mg/L	1	0.120	<0.000829	71	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.101	mg/L	1	0.120	<0.000829	84	65.5 - 111	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38965 Date Analyzed: 2007-07-10 Analyzed By: JS
Prep Batch: 33723 QC Preparation: 2007-07-10 Prepared By: JL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.104	mg/L	1	0.120	<0.000829	87	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.104	mg/L	1	0.120	<0.000829	87	65.5 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39362 Date Analyzed: 2007-07-20 Analyzed By: JS
Prep Batch: 34036 QC Preparation: 2007-07-23 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.111	mg/L	1	0.120	<0.000829	92	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.123	mg/L	1	0.120	<0.000829	102	65.5 - 111	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39519 Date Analyzed: 2007-07-27 Analyzed By: MM
Prep Batch: 34211 QC Preparation: 2007-07-30 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.116	mg/L	1	0.120	<0.000829	97	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.133	mg/L	1	0.120	<0.000829	111	65.5 - 111	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127194

QC Batch: 38300 Date Analyzed: 2007-06-16 Analyzed By: WB
Prep Batch: 33158 QC Preparation: 2007-06-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.167	mg/L	1	0.120	0.0244	119	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.154	mg/L	1	0.120	0.0244	108	46.6 - 132	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch: 38371 Date Analyzed: 2007-06-20 Analyzed By: JS
Prep Batch: 33216 QC Preparation: 2007-06-19 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide [1]	0.260	mg/L	1	0.120	0.0951	137	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide [2]	0.290	mg/L	1	0.120	0.0951	162	46.6 - 132	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128006

QC Batch: 38645 Date Analyzed: 2007-06-28 Analyzed By: JS
Prep Batch: 33452 QC Preparation: 2007-06-27 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0875	mg/L	1	0.120	<0.000829	73	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0974	mg/L	1	0.120	<0.000829	81	46.6 - 132	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128961

QC Batch: 38850 Date Analyzed: 2007-07-06 Analyzed By: MM
Prep Batch: 33624 QC Preparation: 2007-07-06 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide [3]	0.0820	mg/L	1	0.120	0.188	-88	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide [4]	0.138	mg/L	1	0.120	0.188	-40	46.6 - 132	51	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39362 Date Analyzed: 2007-07-20 Analyzed By: JS
Prep Batch: 34036 QC Preparation: 2007-07-23 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.0803	mg/L	1	0.120	0.0135	56	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0729	mg/L	1	0.120	0.0135	50	46.6 - 132	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130860

QC Batch: 39519 Date Analyzed: 2007-07-27 Analyzed By: MM
Prep Batch: 34211 QC Preparation: 2007-07-30 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.117	mg/L	1	0.120	<0.000829	98	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.115	mg/L	1	0.120	<0.000829	96	46.6 - 132	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38300 Date Analyzed: 2007-06-16 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.118	98	85 - 115	2007-06-16

Standard (CCV-1)

QC Batch: 38300 Date Analyzed: 2007-06-16 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.118	98	85 - 115	2007-06-16

Standard (ICV-1)

QC Batch: 38371 Date Analyzed: 2007-06-20 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.118	98	85 - 115	2007-06-20

Standard (CCV-1)

QC Batch: 38371 Date Analyzed: 2007-06-20 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.131	109	85 - 115	2007-06-20

Standard (ICV-1)

QC Batch: 38645 Date Analyzed: 2007-06-28 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.110	92	85 - 115	2007-06-28

Standard (CCV-1)

QC Batch: 38645 Date Analyzed: 2007-06-28 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-06-28

Standard (ICV-1)

QC Batch: 38850 Date Analyzed: 2007-07-06 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-07-06

Standard (CCV-1)

QC Batch: 38850 Date Analyzed: 2007-07-06 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.108	90	85 - 115	2007-07-06

Standard (ICV-1)

QC Batch: 38965 Date Analyzed: 2007-07-10 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.109	91	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 38965 Date Analyzed: 2007-07-10 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.105	88	85 - 115	2007-07-10

Standard (ICV-1)

QC Batch: 39362 Date Analyzed: 2007-07-20 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.121	101	85 - 115	2007-07-20

Standard (CCV-1)

QC Batch: 39362 Date Analyzed: 2007-07-20 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.116	97	85 - 115	2007-07-20

Standard (ICV-1)

QC Batch: 39519 Date Analyzed: 2007-07-27 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-07-27

Standard (CCV-1)

QC Batch: 39519 Date Analyzed: 2007-07-27 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-07-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 27, 2007

Work Order: 7060829

Project Name: STP Percolation Ditches
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
126993	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-07
126994	MNPL-MPL-TB-07-853	water	2007-06-06	13:50	2007-06-07
126995	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-07
126996	MNPL-MPL-TB-07-854	water	2007-06-07	10:15	2007-06-07
126997	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-07
126998	MNPL-MPL-TB-07-855	water	2007-06-07	13:31	2007-06-07
126999	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-07
127000	MNPL-MPL-TB-07-856	water	2007-06-07	13:31	2007-06-07
127192	MNPL-MPL-MPL-028-0607	water	2007-06-11	14:35	2007-06-11
127193	MNPL-MPL-TB-07-879	water	2007-06-11	14:35	2007-06-11
127194	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-11
127195	MNPL-MPL-TB-07-857	water	2007-06-11	10:21	2007-06-11
127500	MNPL-MPL-MPL-006-0607	water	2007-06-12	15:30	2007-06-13
127501	MNPL-MPL-TB-07-860	water	2007-06-12	15:30	2007-06-13
127502	MNPL-MPL-MPL-007-0607	water	2007-06-13	15:20	2007-06-13
127503	MNPL-MPL-TB-07-861	water	2007-06-13	15:20	2007-06-13
127504	MNPL-MPL-MPL-017-0607	water	2007-06-13	13:45	2007-06-13
127505	MNPL-MPL-TB-07-866	water	2007-06-13	13:45	2007-06-13
127506	MNPL-MPL-MPL-018-0607	water	2007-06-12	13:51	2007-06-13
127507	MNPL-MPL-TB-07-867	water	2007-06-12	13:51	2007-06-13
127796	MNPL-MPL-MPL-030-0607	water	2007-06-14	10:00	2007-06-14
127797	MNPL-MPL-TB-07-881	water	2007-06-14	10:00	2007-06-14
127798	MNPL-MPL-MPL-016-0607	water	2007-06-14	14:02	2007-06-14
127799	MNPL-MPL-TB-07-864	water	2007-06-14	14:02	2007-06-14
127800	MNPL-MPL-MPL-029-0607	water	2007-06-15	09:55	2007-06-15
127801	MNPL-MPL-TB-07-880	water	2007-06-15	09:55	2007-06-15
127802	MNPL-MPL-MPL-013-0607	water	2007-06-15	13:15	2007-06-15
127803	MNPL-MPL-TB-07-863	water	2007-06-15	13:15	2007-06-15
128006	MNPL-MPL-T-040-0607	water	2007-06-19	13:38	2007-06-19
128007	MNPL-MPL-TB-07-882	water	2007-06-19	13:38	2007-06-19
128008	MNPL-MPL-MPL-026-0607	water	2007-06-19	10:05	2007-06-19
128009	MNPL-MPL-TB-07-878	water	2007-06-19	10:05	2007-06-19

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128010	MNPL-MPL-MPL-010-0607	water	2007-06-18	10:45	2007-06-19
128011	MNPL-MPL-TB-07-862	water	2007-06-18	10:45	2007-06-19
128012	MNPL-MPL-MPL-005-0607	water	2007-06-18	15:02	2007-06-18
128013	MNPL-MPL-TB-07-859	water	2007-06-18	15:02	2007-06-18
128696	MNPL-MPL-MPL-019-0607	water	2007-06-25	10:24	2007-06-26
128697	MNPL-MPL-TB-07-868	water	2007-06-25	10:24	2007-06-26
128957	MNPL-MPL-MPL-020-0607	water	2007-06-27	10:30	2007-06-28
128958	MNPL-MPL-TB-07-869	water	2007-06-27	10:30	2007-06-28
128959	MNPL-MPL-MPL-120-0607	water	2007-06-27	10:30	2007-06-28
128960	MNPL-MPL-TB-07-870	water	2007-06-27	10:30	2007-06-28
128961	MNPL-MPL-MPL-024-0607	water	2007-06-29	10:35	2007-06-29
128962	MNPL-MPL-TB-07-876	water	2007-06-29	10:35	2007-06-29
129153	MNPL-MPL-MPL-023-0707	water	2007-07-03	14:20	2007-07-03
129154	MNPL-MPL-TB-07-874	water	2007-07-03	14:20	2007-07-03
129155	MNPL-MPL-MPL-123-0707	water	2007-07-03	14:20	2007-07-03
129156	MNPL-MPL-TB-07-875	water	2007-07-03	14:20	2007-07-03
129834	SGTP-6678-SMW-001-0707	water	2007-07-10	16:02	2007-07-11
129835	SGTP-6678-TB-07-883	water	2007-07-10	16:02	2007-07-11
129983	MNPL-MPL-MPL-022-0707	water	2007-07-13	14:30	2007-07-13
129984	MNPL-MPL-TB-07-873	water	2007-07-13	14:30	2007-07-13
130344	MNPL-MPL-MPL-021-0707	water	2007-07-17	14:40	2007-07-18
130345	MNPL-MPL-TB-07-871	water	2007-07-17	14:40	2007-07-18
130461	MNPL-MPL-MPL-025-0707	water	2007-07-19	10:04	2007-07-19
130462	MNPL-MPL-TB-07-877	water	2007-07-19	10:04	2007-07-19
130858	MNPL-MPL-RB-001-0707	water	2007-07-24	11:00	2007-07-24
130859	MNPL-MPL-TB-07-885	water	2007-07-24	11:00	2007-07-24
130860	SGTP-6678-SMW-004-0707	water	2007-07-23	14:32	2007-07-24
130861	SGTP-6678-TB-07-884	water	2007-07-23	14:32	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 243 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project STP Percolation Ditches, STP Percolation Ditches and STP Percolation Ditches were received by TraceAnalysis, Inc. on 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-07, 2007-06-11, 2007-06-11, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-13, 2007-06-14, 2007-06-14, 2007-06-15, 2007-06-15, 2007-06-19, 2007-06-19, 2007-06-19, 2007-06-18, 2007-06-26, 2007-06-28, 2007-06-28, 2007-06-29, 2007-07-03, 2007-07-03, 2007-07-11, 2007-07-13, 2007-07-18, 2007-07-19, 2007-07-24 and 2007-07-24 and assigned to work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 respecively. Samples for work order 7060829 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060830 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060831 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7060832 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061307 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061308 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061501 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061502 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061503 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061504 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061814 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061815 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061816 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7061817 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062107 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062108 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062109 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062110 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7062803 were received damaged without headspace and at a temperature of 4.0 deg.C.Samples for work order 7070219 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070220 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070221 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7070604 were received intact at a temperature of 4.0 deg C.Samples for work order 7070605 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7071308 were received intact at a temperature of 4.0 deg C.Samples for work order 7071505 were received intact at a temperature of 4.0 deg C.Samples for work order 7071903 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7072009 were received intact at a temperature of 4.0 deg C.Samples for work order 7072509 were received intact at a temperature of 4.0 deg C.Samples for work order 7072510 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7060829, 7060830, 7060831, 7060832, 7061307, 7061308, 7061501, 7061502, 7061503, 7061504, 7061814, 7061815, 7061816, 7061817, 7062107, 7062108, 7062109, 7062110, 7062803, 7070219, 7070220, 7070221, 7070604, 7070605, 7071308, 7071505, 7071903, 7072009, 7072509 and 7072510 since the sample was chosen at random. Therefore, the validity of the

analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126993 - MNPL-MPL-MPL-001-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 126993 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.6	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.0	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.4	µg/L	1	50.0	99	84.6 - 114

Sample: 126994 - MNPL-MPL-TB-07-853

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0

continued . . .

sample 126994 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 126994 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.0	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		47.9	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.2	µg/L	1	50.0	98	84.6 - 114

Sample: 126995 - MNPL-MPL-MPL-002-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00

continued ...

sample 126995 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.2	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		47.9	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.6	µg/L	1	50.0	99	84.6 - 114

Sample: 126996 - MNPL-MPL-TB-07-854

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 126996 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		48.1	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.8	µg/L	1	50.0	100	84.6 - 114

Sample: 126997 - MNPL-MPL-MPL-003-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00

continued . . .

sample 126997 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 126997 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.7	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		47.6	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.8	µg/L	1	50.0	100	84.6 - 114

Sample: 126998 - MNPL-MPL-TB-07-855

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 126998 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 126998 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		48.5	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.9	µg/L	1	50.0	100	84.6 - 114

Sample: 126999 - MNPL-MPL-MPL-103-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 126999 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		48.3	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.5	µg/L	1	50.0	101	84.6 - 114

Sample: 127000 - MNPL-MPL-TB-07-856

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	Sample Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 127000 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.5	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		49.2	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		51.2	µg/L	1	50.0	102	84.6 - 114

Sample: 127192 - MNPL-MPL-MPL-028-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38189	Date Analyzed:	2007-06-13	Analyzed By:	JG
Prep Batch:	33060	Sample Preparation:	2007-06-13	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 127192 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 127192 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		42.7	µg/L	1	50.0	85	82.4 - 115
Toluene-d8		45.2	µg/L	1	50.0	90	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.4	µg/L	1	50.0	89	84.6 - 114

Sample: 127193 - MNPL-MPL-TB-07-879

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38189	Date Analyzed:	2007-06-13	Analyzed By:	JG
Prep Batch:	33060	Sample Preparation:	2007-06-13	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00

continued . . .

sample 127193 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.3	µg/L	1	50.0	87	82.4 - 115
Toluene-d8		45.7	µg/L	1	50.0	91	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.4	µg/L	1	50.0	89	84.6 - 114

Sample: 127194 - MNPL-MPL-MPL-004-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38189	Date Analyzed:	2007-06-13	Analyzed By:	JG
Prep Batch:	33060	Sample Preparation:	2007-06-13	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 127194 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.2	µg/L	1	50.0	86	82.4 - 115
Toluene-d8		45.9	µg/L	1	50.0	92	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.3	µg/L	1	50.0	89	84.6 - 114

Sample: 127195 - MNPL-MPL-TB-07-857

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 127195 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 127195 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.8	µg/L	1	50.0	96	82.4 - 115
Toluene-d8		48.2	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.7	µg/L	1	50.0	93	84.6 - 114

Sample: 127500 - MNPL-MPL-MPL-006-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 127500 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 127500 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.5	µg/L	1	50.0	97	82.4 - 115
Toluene-d8		48.8	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.9	µg/L	1	50.0	94	84.6 - 114

Sample: 127501 - MNPL-MPL-TB-07-860

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 127501 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.1	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		49.4	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.7	µg/L	1	50.0	95	84.6 - 114

Sample: 127502 - MNPL-MPL-MPL-007-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 127502 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.5	µg/L	1	50.0	97	82.4 - 115
Toluene-d8		48.8	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.4	µg/L	1	50.0	95	84.6 - 114

Sample: 127503 - MNPL-MPL-TB-07-861

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**13.1**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 127503 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**2.50**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00

continued . . .

sample 127503 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.6	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.7	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.0	µg/L	1	50.0	96	84.6 - 114

Sample: 127504 - MNPL-MPL-MPL-017-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 127504 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.2	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.5	µg/L	1	50.0	97	84.6 - 114

Sample: 127505 - MNPL-MPL-TB-07-866

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**10.4**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 127505 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.0	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.3	µg/L	1	50.0	97	84.6 - 114

Sample: 127506 - MNPL-MPL-MPL-018-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 127506 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00

continued . . .

sample 127506 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.0	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.8	µg/L	1	50.0	98	84.6 - 114

Sample: 127507 - MNPL-MPL-TB-07-867

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38244	Date Analyzed:	2007-06-16	Analyzed By:	KB
Prep Batch:	33107	Sample Preparation:	2007-06-16	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 127507 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 127507 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.3	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 127796 - MNPL-MPL-MPL-030-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38308	Date Analyzed:	2007-06-18	Analyzed By:	KB
Prep Batch:	33167	Sample Preparation:	2007-06-18	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 127796 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.5	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.8	µg/L	1	50.0	98	84.6 - 114

Sample: 127797 - MNPL-MPL-TB-07-881

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38308	Date Analyzed:	2007-06-18	Analyzed By:	KB
Prep Batch:	33167	Sample Preparation:	2007-06-18	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 127797 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.5	µg/L	1	50.0	97	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Sample: 127798 - MNPL-MPL-MPL-016-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38308	Date Analyzed:	2007-06-18	Analyzed By:	KB
Prep Batch:	33167	Sample Preparation:	2007-06-18	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 127798 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00

continued . . .

sample 127798 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.1	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		51.2	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.5	µg/L	1	50.0	99	84.6 - 114

Sample: 127799 - MNPL-MPL-TB-07-864

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38348	Date Analyzed:	2007-06-19	Analyzed By:	KB
Prep Batch:	33198	Sample Preparation:	2007-06-19	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**25.4**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 127799 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.7	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.4	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.5	µg/L	1	50.0	95	84.6 - 114

Sample: 127800 - MNPL-MPL-MPL-029-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38348	Date Analyzed:	2007-06-19	Analyzed By:	KB
Prep Batch:	33198	Sample Preparation:	2007-06-19	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 127800 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.3	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		49.5	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.9	µg/L	1	50.0	96	84.6 - 114

Sample: 127801 - MNPL-MPL-TB-07-880

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38348	Date Analyzed:	2007-06-19	Analyzed By:	KB
Prep Batch:	33198	Sample Preparation:	2007-06-19	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 127801 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**27.8**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 127801 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.4	µg/L	1	50.0	109	82.4 - 115
Toluene-d8		51.1	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.3	µg/L	1	50.0	101	84.6 - 114

Sample: 127802 - MNPL-MPL-MPL-013-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38348	Date Analyzed:	2007-06-19	Analyzed By:	KB
Prep Batch:	33198	Sample Preparation:	2007-06-19	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 127802 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 127802 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.3	µg/L	1	50.0	109	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 127803 - MNPL-MPL-TB-07-863

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38348	Date Analyzed:	2007-06-19	Analyzed By:	KB
Prep Batch:	33198	Sample Preparation:	2007-06-19	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**16.4**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 127803 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.9	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		49.2	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.2	µg/L	1	50.0	96	84.6 - 114

Sample: 128006 - MNPL-MPL-T-040-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 128006 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.1	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		51.7	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	84.6 - 114

Sample: 128007 - MNPL-MPL-TB-07-882

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 128007 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 128007 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.6	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		51.6	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.5	µg/L	1	50.0	97	84.6 - 114

Sample: 128008 - MNPL-MPL-MPL-026-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 128008 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		56.5	µg/L	1	50.0	113	82.4 - 115
Toluene-d8		52.2	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.7	µg/L	1	50.0	99	84.6 - 114

Sample: 128009 - MNPL-MPL-TB-07-878

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**17.0**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 128009 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.9	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		51.3	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.1	µg/L	1	50.0	96	84.6 - 114

Sample: 128010 - MNPL-MPL-MPL-010-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 128010 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued . . .

sample 128010 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		55.5	µg/L	1	50.0	111	82.4 - 115
Toluene-d8		52.3	µg/L	1	50.0	105	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 128011 - MNPL-MPL-TB-07-862

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 128011 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 128011 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		55.4	µg/L	1	50.0	111	82.4 - 115
Toluene-d8		51.4	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.6	µg/L	1	50.0	97	84.6 - 114

Sample: 128012 - MNPL-MPL-MPL-005-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 128012 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		57.2	µg/L	1	50.0	114	82.4 - 115
Toluene-d8		52.2	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.4	µg/L	1	50.0	99	84.6 - 114

Sample: 128013 - MNPL-MPL-TB-07-859

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38437	Date Analyzed:	2007-06-21	Analyzed By:	KB
Prep Batch:	33264	Sample Preparation:	2007-06-21	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**23.8**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 128013 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		56.7	µg/L	1	50.0	113	82.4 - 115
Toluene-d8		51.9	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	84.6 - 114

Sample: 128696 - MNPL-MPL-MPL-019-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38659	Date Analyzed:	2007-06-28	Analyzed By:	JG
Prep Batch:	33464	Sample Preparation:	2007-06-28	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 128696 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 128696 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		56.4	µg/L	1	50.0	113	82.4 - 115
Toluene-d8		53.0	µg/L	1	50.0	106	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.0	µg/L	1	50.0	90	84.6 - 114

Sample: 128697 - MNPL-MPL-TB-07-868

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38659	Date Analyzed:	2007-06-28	Analyzed By:	JG
Prep Batch:	33464	Sample Preparation:	2007-06-28	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**2.93**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 128697 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		56.8	µg/L	1	50.0	114	82.4 - 115
Toluene-d8		53.0	µg/L	1	50.0	106	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.8	µg/L	1	50.0	90	84.6 - 114

Sample: 128957 - MNPL-MPL-MPL-020-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	Sample Preparation:	2007-07-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 128957 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.9	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		51.5	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 128958 - MNPL-MPL-TB-07-869

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	Sample Preparation:	2007-07-03	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued ...

sample 128958 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 128958 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.9	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		51.5	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.9	µg/L	1	50.0	94	84.6 - 114

Sample: 128959 - MNPL-MPL-MPL-120-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	Sample Preparation:	2007-07-03	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 128959 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 128959 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.7	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		51.4	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.9	µg/L	1	50.0	92	84.6 - 114

Sample: 128960 - MNPL-MPL-TB-07-870

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	Sample Preparation:	2007-07-03	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone	*B*	**23.0**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 128960 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.6	µg/L	1	50.0	109	82.4 - 115
Toluene-d8		52.0	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.6	µg/L	1	50.0	93	84.6 - 114

Sample: 128961 - MNPL-MPL-MPL-024-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	Sample Preparation:	2007-07-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 128961 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.2	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		52.0	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.2	µg/L	1	50.0	92	84.6 - 114

Sample: 128962 - MNPL-MPL-TB-07-876

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	Sample Preparation:	2007-07-03	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 128962 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 128962 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.2	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		51.4	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.9	µg/L	1	50.0	92	84.6 - 114

Sample: 129153 - MNPL-MPL-MPL-023-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	Sample Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 129153 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.3	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.5	µg/L	1	50.0	93	84.6 - 114

Sample: 129154 - MNPL-MPL-TB-07-874

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	Sample Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**19.2**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 129154 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.3	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.5	µg/L	1	50.0	93	84.6 - 114

Sample: 129155 - MNPL-MPL-MPL-123-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	Sample Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 129155 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00

continued . . .

sample 129155 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 129156 - MNPL-MPL-TB-07-875

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	Sample Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0

continued . . .

sample 129156 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 129156 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.3	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.4	µg/L	1	50.0	93	84.6 - 114

Sample: 129834 - SGTP-6678-SMW-001-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39093	Date Analyzed:	2007-07-14	Analyzed By:	JG
Prep Batch:	33839	Sample Preparation:	2007-07-14	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 129834 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.0	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		51.4	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.0	µg/L	1	50.0	94	84.6 - 114

Sample: 129835 - SGTP-6678-TB-07-883

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39093	Date Analyzed:	2007-07-14	Analyzed By:	JG
Prep Batch:	33839	Sample Preparation:	2007-07-14	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 129835 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.3	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		51.3	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.2	µg/L	1	50.0	92	84.6 - 114

Sample: 129983 - MNPL-MPL-MPL-022-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39186	Date Analyzed:	2007-07-17	Analyzed By:	JG
Prep Batch:	33913	Sample Preparation:	2007-07-17	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 129983 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 129983 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.7	µg/L	1	50.0	97	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.7	µg/L	1	50.0	93	84.6 - 114

Sample: 129984 - MNPL-MPL-TB-07-873

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39186	Date Analyzed:	2007-07-17	Analyzed By:	JG
Prep Batch:	33913	Sample Preparation:	2007-07-17	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 129984 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.3	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.3	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Sample: 130344 - MNPL-MPL-MPL-021-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39268	Date Analyzed:	2007-07-19	Analyzed By:	JG
Prep Batch:	33990	Sample Preparation:	2007-07-19	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 130344 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.7	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		46.5	µg/L	1	50.0	93	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Sample: 130345 - MNPL-MPL-TB-07-871

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39268	Date Analyzed:	2007-07-19	Analyzed By:	JG
Prep Batch:	33990	Sample Preparation:	2007-07-19	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

sample 130345 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		**17.1**		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		**38.7**		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 130345 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		46.5	µg/L	1	50.0	93	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.9	µg/L	1	50.0	92	84.6 - 114

Sample: 130461 - MNPL-MPL-MPL-025-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	Sample Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 130461 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 130461 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.9	µg/L	1	50.0	88	82.4 - 115
Toluene-d8		49.7	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.4	µg/L	1	50.0	99	84.6 - 114

Sample: 130462 - MNPL-MPL-TB-07-877

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	Sample Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 130462 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.4	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		49.3	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.8	µg/L	1	50.0	100	84.6 - 114

Sample: 130858 - MNPL-MPL-RB-001-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39424	Date Analyzed:	2007-07-25	Analyzed By:	JG
Prep Batch:	34131	Sample Preparation:	2007-07-25	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 130858 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.7	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.6	µg/L	1	50.0	97	84.6 - 114

Sample: 130859 - MNPL-MPL-TB-07-885

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39424	Date Analyzed:	2007-07-25	Analyzed By:	JG
Prep Batch:	34131	Sample Preparation:	2007-07-25	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 130859 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 130859 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.0	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		50.7	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.6	µg/L	1	50.0	99	84.6 - 114

Sample: 130860 - SGTP-6678-SMW-004-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39424	Date Analyzed:	2007-07-25	Analyzed By:	JG
Prep Batch:	34131	Sample Preparation:	2007-07-25	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 130860 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.4	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		50.4	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	84.6 - 114

Sample: 130861 - SGTP-6678-TB-07-884

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39424	Date Analyzed:	2007-07-25	Analyzed By:	JG
Prep Batch:	34131	Sample Preparation:	2007-07-25	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**18.2**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 130861 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.5	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		50.3	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.1	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 38089

QC Batch:	38089	Date Analyzed:	2007-06-11	Analyzed By:	JG
Prep Batch:	32977	QC Preparation:	2007-06-11	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.55	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1

continued . . .

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		0.990	µg/L	5
1,2,4-Trichlorobenzene		0.530	µg/L	5
Naphthalene		0.780	µg/L	5
Hexachlorobutadiene		1.05	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.0	µg/L	1	50.0	96	82.4 - 115
Toluene-d8		47.2	µg/L	1	50.0	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 38189

QC Batch: 38189 | Date Analyzed: 2007-06-13 | Analyzed By: JG
Prep Batch: 33060 | QC Preparation: 2007-06-13 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		<0.375	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		0.460	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		0.970	µg/L	5
1,2,4-Trichlorobenzene		0.370	µg/L	5
Naphthalene		0.530	µg/L	5
Hexachlorobutadiene		0.920	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.1	µg/L	1	50.0	88	82.4 - 115
Toluene-d8		47.4	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.7	µg/L	1	50.0	91	84.6 - 114

Method Blank (1) QC Batch: 38244

QC Batch: 38244 Date Analyzed: 2007-06-16 Analyzed By: KB
Prep Batch: 33107 QC Preparation: 2007-06-16 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		0.520	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		0.530	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		0.380	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		0.800	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		0.500	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		0.520	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		0.610	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		4.38	µg/L	5
1,2,4-Trichlorobenzene		1.22	µg/L	5
Naphthalene		1.77	µg/L	5
Hexachlorobutadiene		1.24	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		46.9	µg/L	1	50.0	94	82.4 - 115
Toluene-d8		48.3	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Method Blank (1) QC Batch: 38308

QC Batch: 38308 Date Analyzed: 2007-06-18 Analyzed By: KB
Prep Batch: 33167 QC Preparation: 2007-06-18 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		<0.375	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.7	µg/L	1	50.0	97	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 38348

QC Batch: 38348 Date Analyzed: 2007-06-19 Analyzed By: KB
Prep Batch: 33198 QC Preparation: 2007-06-19 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		2.55	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		0.370	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.6	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.0	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.7	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 38437

QC Batch: 38437 Date Analyzed: 2007-06-21 Analyzed By: KB
Prep Batch: 33264 QC Preparation: 2007-06-21 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.90	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		0.370	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.1	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.9	µg/L	1	50.0	96	84.6 - 114

Method Blank (1) QC Batch: 38659

QC Batch: 38659 Date Analyzed: 2007-06-28 Analyzed By: JG
Prep Batch: 33464 QC Preparation: 2007-06-28 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane	[1]	<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1

continued ...

[1] Vinyl Acetate <5.00 µg/L. Estimated concentration reported as TIC. •

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		0.960	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		0.980	µg/L	5
1,2,4-Trichlorobenzene		0.310	µg/L	5
Naphthalene		0.310	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[2]	57.9	µg/L	1	50.0	116	82.4 - 115
Toluene-d8		54.1	µg/L	1	50.0	108	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.4	µg/L	1	50.0	93	84.6 - 114

Method Blank (1) QC Batch: 38775

QC Batch: 38775 | Date Analyzed: 2007-07-03 | Analyzed By: JG
Prep Batch: 33555 | QC Preparation: 2007-07-03 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		7.81	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.64	µg/L	5

continued . . .

[2] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5

continued . . .

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Naphthalene		1.00	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.4	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.5	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 38872

QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	QC Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		0.640	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		0.450	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.7	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		51.5	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.6	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 39093

QC Batch:	39093	Date Analyzed:	2007-07-14	Analyzed By:	JG
Prep Batch:	33839	QC Preparation:	2007-07-14	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		2.37	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		0.880	µg/L	5
1,2,4-Trichlorobenzene		0.360	µg/L	5
Naphthalene		0.420	µg/L	5
Hexachlorobutadiene		0.770	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.7	µg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 39186

QC Batch: 39186 | Date Analyzed: 2007-07-17 | Analyzed By: JG
Prep Batch: 33913 | QC Preparation: 2007-07-17 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.56	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Naphthalene		0.420	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.6	µg/L	1	50.0	95	82.4 - 115
Toluene-d8		49.8	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.9	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 39268

QC Batch:	39268	Date Analyzed:	2007-07-19	Analyzed By:	JG
Prep Batch:	33990	QC Preparation:	2007-07-19	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		2.35	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		1.15	µg/L	5
Hexachlorobutadiene		1.15	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.9	µg/L	1	50.0	88	82.4 - 115
Toluene-d8		46.8	µg/L	1	50.0	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.8	µg/L	1	50.0	92	84.6 - 114

Method Blank (1) QC Batch: 39393

QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	QC Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.25	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		2.48	µg/L	5
1,2,4-Trichlorobenzene		0.850	µg/L	5
Naphthalene		1.19	µg/L	5
Hexachlorobutadiene		1.92	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.2	µg/L	1	50.0	88	82.4 - 115
Toluene-d8		49.8	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.2	µg/L	1	50.0	100	84.6 - 114

Method Blank (1) QC Batch: 39424

QC Batch: 39424 | Date Analyzed: 2007-07-25 | Analyzed By: JG
Prep Batch: 34131 | QC Preparation: 2007-07-25 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.42	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		1.05	µg/L	5
1,2,4-Trichlorobenzene		0.450	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Naphthalene		0.480	µg/L	5
Hexachlorobutadiene		1.32	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.9	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		51.3	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.2	µg/L	1	50.0	98	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38089 Date Analyzed: 2007-06-11 Analyzed By: JG
Prep Batch: 32977 QC Preparation: 2007-06-11 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	53.0	µg/L	1	50.0	<0.351	106	85.7 - 113
Dichlorodifluoromethane	51.5	µg/L	1	50.0	<0.306	103	60.3 - 134
Chloromethane (methyl chloride)	49.3	µg/L	1	50.0	<0.240	99	72 - 120
Vinyl Chloride	54.5	µg/L	1	50.0	<0.224	109	64.4 - 132
Bromomethane (methyl bromide)	46.2	µg/L	1	50.0	<0.325	92	65.9 - 133
Chloroethane	49.8	µg/L	1	50.0	<0.303	100	65.3 - 132
Trichlorofluoromethane	50.6	µg/L	1	50.0	<0.255	101	52.7 - 159
Acetone	59.6	µg/L	1	50.0	<1.86	119	10 - 185
Iodomethane (methyl iodide)	54.8	µg/L	1	50.0	<0.397	110	80.9 - 112
Carbon Disulfide	49.5	µg/L	1	50.0	<0.354	99	73.7 - 120
Acrylonitrile	58.1	µg/L	1	50.0	<0.306	116	75.8 - 121
2-Butanone (MEK)	56.6	µg/L	1	50.0	<0.670	113	43.7 - 117
4-Methyl-2-pentanone (MIBK)	58.2	µg/L	1	50.0	<0.463	116	69.3 - 120
2-Hexanone	62.3	µg/L	1	50.0	<0.303	125	35.6 - 138
trans 1,4-Dichloro-2-butene	52.9	µg/L	1	50.0	<0.407	106	40 - 128
1,1-Dichloroethene	53.6	µg/L	1	50.0	<0.326	107	83.4 - 114
Methylene chloride	45.9	µg/L	1	50.0	<0.375	92	62.6 - 119
MTBE	52.4	µg/L	1	50.0	<0.352	105	70 - 132
trans-1,2-Dichloroethene	51.4	µg/L	1	50.0	<0.322	103	83.3 - 114
1,1-Dichloroethane	51.3	µg/L	1	50.0	<0.324	103	87.8 - 113
cis-1,2-Dichloroethene	51.6	µg/L	1	50.0	<0.331	103	83.8 - 115
2,2-Dichloropropane	53.4	µg/L	1	50.0	<0.440	107	37.9 - 136
1,2-Dichloroethane (EDC)	49.6	µg/L	1	50.0	<0.327	99	82.6 - 122
Chloroform	49.0	µg/L	1	50.0	<0.345	98	84.8 - 116
1,1,1-Trichloroethane	51.8	µg/L	1	50.0	<0.303	104	72.9 - 123
1,1-Dichloropropene	53.0	µg/L	1	50.0	<0.356	106	85.9 - 119
Benzene	50.4	µg/L	1	50.0	<0.356	101	83.5 - 115
Carbon Tetrachloride	54.1	µg/L	1	50.0	<0.342	108	62.7 - 144
1,2-Dichloropropane	52.1	µg/L	1	50.0	<0.366	104	88.8 - 114
Trichloroethene (TCE)	55.6	µg/L	1	50.0	<0.434	111	91.3 - 111
Dibromomethane (methylene bromide)	52.0	µg/L	1	50.0	<0.406	104	84.2 - 118
Bromodichloromethane	51.7	µg/L	1	50.0	<0.325	103	79.5 - 127

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Chloroethyl vinyl ether	50.5	µg/L	1	50.0	<0.366	101	75.1 - 128
cis-1,3-Dichloropropene	53.9	µg/L	1	50.0	<0.387	108	83.2 - 119
trans-1,3-Dichloropropene	54.4	µg/L	1	50.0	<0.367	109	77.4 - 126
Toluene	51.7	µg/L	1	50.0	<0.366	103	82 - 110
1,1,2-Trichloroethane	48.4	µg/L	1	50.0	<0.397	97	77 - 123
1,3-Dichloropropane	47.4	µg/L	1	50.0	<0.355	95	81.1 - 124
Dibromochloromethane	53.1	µg/L	1	50.0	<0.315	106	79 - 129
1,2-Dibromoethane (EDB)	52.4	µg/L	1	50.0	<0.340	105	78.6 - 126
Tetrachloroethene (PCE)	50.8	µg/L	1	50.0	<0.355	102	36.7 - 173
Chlorobenzene	50.5	µg/L	1	50.0	<0.363	101	87.9 - 109
1,1,1,2-Tetrachloroethane	51.6	µg/L	1	50.0	<0.338	103	80.5 - 125
Ethylbenzene	49.4	µg/L	1	50.0	<0.350	99	82.4 - 116
m,p-Xylene	100	µg/L	1	100	<0.752	100	80 - 119
Bromoform	58.6	µg/L	1	50.0	<0.275	117	75.8 - 132
Styrene	52.7	µg/L	1	50.0	<0.395	105	84.2 - 117
o-Xylene	50.0	µg/L	1	50.0	<0.375	100	82.1 - 119
1,1,2,2-Tetrachloroethane	50.8	µg/L	1	50.0	<0.283	102	69.7 - 124
2-Chlorotoluene	48.7	µg/L	1	50.0	<0.445	97	76.5 - 123
1,2,3-Trichloropropane	48.8	µg/L	1	50.0	<0.430	98	66.3 - 130
Isopropylbenzene	49.5	µg/L	1	50.0	<0.521	99	78.3 - 123
Bromobenzene	47.4	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	47.8	µg/L	1	50.0	<0.483	96	72.6 - 122
1,3,5-Trimethylbenzene	49.5	µg/L	1	50.0	<0.487	99	69.6 - 127
tert-Butylbenzene	50.2	µg/L	1	50.0	<0.496	100	64 - 129
1,2,4-Trimethylbenzene	49.0	µg/L	1	50.0	<0.532	98	71 - 123
1,4-Dichlorobenzene (para)	50.4	µg/L	1	50.0	<0.413	101	74 - 118
sec-Butylbenzene	48.9	µg/L	1	50.0	<0.449	98	59.8 - 129
1,3-Dichlorobenzene (meta)	51.1	µg/L	1	50.0	<0.451	102	80.2 - 119
p-Isopropyltoluene	51.2	µg/L	1	50.0	<0.450	102	54.8 - 135
4-Chlorotoluene	49.2	µg/L	1	50.0	<0.489	98	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.2	µg/L	1	50.0	<0.438	104	80 - 120
n-Butylbenzene	50.4	µg/L	1	50.0	<0.461	101	51.1 - 136
1,2-Dibromo-3-chloropropane	47.0	µg/L	1	50.0	<0.532	94	38.2 - 151
1,2,3-Trichlorobenzene	55.9	µg/L	1	50.0	<0.288	112	25.4 - 158
1,2,4-Trichlorobenzene	55.1	µg/L	1	50.0	<0.273	110	38.2 - 140
Naphthalene	54.0	µg/L	1	50.0	<0.299	108	33.3 - 152
Hexachlorobutadiene	55.9	µg/L	1	50.0	<0.483	112	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	53.1	µg/L	1	50.0	<0.351	106	85.7 - 113	0	20
Dichlorodifluoromethane	51.5	µg/L	1	50.0	<0.306	103	60.3 - 134	0	20
Chloromethane (methyl chloride)	49.5	µg/L	1	50.0	<0.240	99	72 - 120	0	20
Vinyl Chloride	53.9	µg/L	1	50.0	<0.224	108	64.4 - 132	1	20
Bromomethane (methyl bromide)	46.2	µg/L	1	50.0	<0.325	92	65.9 - 133	0	20
Chloroethane	50.4	µg/L	1	50.0	<0.303	101	65.3 - 132	1	20
Trichlorofluoromethane	50.5	µg/L	1	50.0	<0.255	101	52.7 - 159	0	20
Acetone	55.6	µg/L	1	50.0	<1.86	111	10 - 185	7	20
Iodomethane (methyl iodide)	54.5	µg/L	1	50.0	<0.397	109	80.9 - 112	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Carbon Disulfide	49.5	µg/L	1	50.0	<0.354	99	73.7 - 120	0	20
Acrylonitrile	58.7	µg/L	1	50.0	<0.306	117	75.8 - 121	1	20
2-Butanone (MEK)	55.8	µg/L	1	50.0	<0.670	112	43.7 - 117	1	20
4-Methyl-2-pentanone (MIBK)	57.5	µg/L	1	50.0	<0.463	115	69.3 - 120	1	20
2-Hexanone	60.6	µg/L	1	50.0	<0.303	121	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	52.0	µg/L	1	50.0	<0.407	104	40 - 128	2	20
1,1-Dichloroethene	53.2	µg/L	1	50.0	<0.326	106	83.4 - 114	1	20
Methylene chloride	45.6	µg/L	1	50.0	<0.375	91	62.6 - 119	1	20
MTBE	52.5	µg/L	1	50.0	<0.352	105	70 - 132	0	20
trans-1,2-Dichloroethene	51.4	µg/L	1	50.0	<0.322	103	83.3 - 114	0	20
1,1-Dichloroethane	51.6	µg/L	1	50.0	<0.324	103	87.8 - 113	1	20
cis-1,2-Dichloroethene	51.8	µg/L	1	50.0	<0.331	104	83.8 - 115	0	20
2,2-Dichloropropane	52.6	µg/L	1	50.0	<0.440	105	37.9 - 136	2	20
1,2-Dichloroethane (EDC)	49.1	µg/L	1	50.0	<0.327	98	82.6 - 122	1	20
Chloroform	49.4	µg/L	1	50.0	<0.345	99	84.8 - 116	1	20
1,1,1-Trichloroethane	52.1	µg/L	1	50.0	<0.303	104	72.9 - 123	1	20
1,1-Dichloropropene	53.4	µg/L	1	50.0	<0.356	107	85.9 - 119	1	20
Benzene	50.8	µg/L	1	50.0	<0.356	102	83.5 - 115	1	20
Carbon Tetrachloride	55.0	µg/L	1	50.0	<0.342	110	62.7 - 144	2	20
1,2-Dichloropropane	52.0	µg/L	1	50.0	<0.366	104	88.8 - 114	0	20
Trichloroethene (TCE) [3]	56.1	µg/L	1	50.0	<0.434	112	91.3 - 111	1	20
Dibromomethane (methylene bromide)	52.6	µg/L	1	50.0	<0.406	105	84.2 - 118	1	20
Bromodichloromethane	52.9	µg/L	1	50.0	<0.325	106	79.5 - 127	2	20
2-Chloroethyl vinyl ether	50.4	µg/L	1	50.0	<0.366	101	75.1 - 128	0	20
cis-1,3-Dichloropropene	54.5	µg/L	1	50.0	<0.387	109	83.2 - 119	1	20
trans-1,3-Dichloropropene	54.8	µg/L	1	50.0	<0.367	110	77.4 - 126	1	20
Toluene	52.2	µg/L	1	50.0	<0.366	104	82 - 110	1	20
1,1,2-Trichloroethane	48.4	µg/L	1	50.0	<0.397	97	77 - 123	0	20
1,3-Dichloropropane	48.2	µg/L	1	50.0	<0.355	96	81.1 - 124	2	20
Dibromochloromethane	53.7	µg/L	1	50.0	<0.315	107	79 - 129	1	20
1,2-Dibromoethane (EDB)	52.6	µg/L	1	50.0	<0.340	105	78.6 - 126	0	20
Tetrachloroethene (PCE)	51.8	µg/L	1	50.0	<0.355	104	36.7 - 173	2	20
Chlorobenzene	51.2	µg/L	1	50.0	<0.363	102	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	52.3	µg/L	1	50.0	<0.338	105	80.5 - 125	1	20
Ethylbenzene	50.1	µg/L	1	50.0	<0.350	100	82.4 - 116	1	20
m,p-Xylene	100	µg/L	1	100	<0.752	100	80 - 119	0	20
Bromoform	59.6	µg/L	1	50.0	<0.275	119	75.8 - 132	2	20
Styrene	52.9	µg/L	1	50.0	<0.395	106	84.2 - 117	0	20
o-Xylene	50.3	µg/L	1	50.0	<0.375	101	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	51.1	µg/L	1	50.0	<0.283	102	69.7 - 124	1	20
2-Chlorotoluene	49.1	µg/L	1	50.0	<0.445	98	76.5 - 123	1	20
1,2,3-Trichloropropane	49.0	µg/L	1	50.0	<0.430	98	66.3 - 130	0	20
Isopropylbenzene	50.2	µg/L	1	50.0	<0.521	100	78.3 - 123	1	20
Bromobenzene	47.9	µg/L	1	50.0	<0.494	96	79.9 - 122	1	20
n-Propylbenzene	48.4	µg/L	1	50.0	<0.483	97	72.6 - 122	1	20
1,3,5-Trimethylbenzene	49.7	µg/L	1	50.0	<0.487	99	69.6 - 127	0	20
tert-Butylbenzene	50.6	µg/L	1	50.0	<0.496	101	64 - 129	1	20
1,2,4-Trimethylbenzene	49.3	µg/L	1	50.0	<0.532	99	71 - 123	1	20
1,4-Dichlorobenzene (para)	50.9	µg/L	1	50.0	<0.413	102	74 - 118	1	20

continued ...

[3] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
sec-Butylbenzene	49.5	µg/L	1	50.0	<0.449	99	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	51.7	µg/L	1	50.0	<0.451	103	80.2 - 119	1	20
p-Isopropyltoluene	51.8	µg/L	1	50.0	<0.450	104	54.8 - 135	1	20
4-Chlorotoluene	50.0	µg/L	1	50.0	<0.489	100	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	52.5	µg/L	1	50.0	<0.438	105	80 - 120	1	20
n-Butylbenzene	50.9	µg/L	1	50.0	<0.461	102	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	47.8	µg/L	1	50.0	<0.532	96	38.2 - 151	2	20
1,2,3-Trichlorobenzene	54.7	µg/L	1	50.0	<0.288	109	25.4 - 158	2	20
1,2,4-Trichlorobenzene	54.8	µg/L	1	50.0	<0.273	110	38.2 - 140	0	20
Naphthalene	53.7	µg/L	1	50.0	<0.299	107	33.3 - 152	1	20
Hexachlorobutadiene	56.0	µg/L	1	50.0	<0.483	112	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.2	49.0	µg/L	1	50.0	98	98	82.4 - 115
Toluene-d8	46.0	46.0	µg/L	1	50.0	92	92	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.9	48.7	µg/L	1	50.0	98	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38189 Date Analyzed: 2007-06-13 Analyzed By: JG
Prep Batch: 33060 QC Preparation: 2007-06-13 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.9	µg/L	1	50.0	<0.351	100	85.7 - 113
Dichlorodifluoromethane	39.6	µg/L	1	50.0	<0.306	79	60.3 - 134
Chloromethane (methyl chloride)	42.6	µg/L	1	50.0	<0.240	85	72 - 120
Vinyl Chloride	45.8	µg/L	1	50.0	<0.224	92	64.4 - 132
Bromomethane (methyl bromide)	40.4	µg/L	1	50.0	<0.325	81	65.9 - 133
Chloroethane	46.1	µg/L	1	50.0	<0.303	92	65.3 - 132
Trichlorofluoromethane	44.5	µg/L	1	50.0	<0.255	89	52.7 - 159
Acetone	59.4	µg/L	1	50.0	<1.86	119	10 - 185
Iodomethane (methyl iodide)	51.7	µg/L	1	50.0	<0.397	103	80.9 - 112
Carbon Disulfide	45.3	µg/L	1	50.0	<0.354	91	73.7 - 120
Acrylonitrile	52.0	µg/L	1	50.0	<0.306	104	75.8 - 121
2-Butanone (MEK)	39.4	µg/L	1	50.0	<0.670	79	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.5	µg/L	1	50.0	<0.463	105	69.3 - 120
2-Hexanone	45.7	µg/L	1	50.0	<0.303	91	35.6 - 138
trans 1,4-Dichloro-2-butene	38.1	µg/L	1	50.0	<0.407	76	40 - 128
1,1-Dichloroethene	49.8	µg/L	1	50.0	<0.326	100	83.4 - 114
Methylene chloride	42.3	µg/L	1	50.0	<0.375	85	62.6 - 119
MTBE	48.4	µg/L	1	50.0	<0.352	97	70 - 132
trans-1,2-Dichloroethene	47.6	µg/L	1	50.0	<0.322	95	83.3 - 114
1,1-Dichloroethane	47.6	µg/L	1	50.0	<0.324	95	87.8 - 113
cis-1,2-Dichloroethene	48.4	µg/L	1	50.0	<0.331	97	83.8 - 115
2,2-Dichloropropane	28.1	µg/L	1	50.0	<0.440	56	37.9 - 136
1,2-Dichloroethane (EDC)	44.8	µg/L	1	50.0	<0.327	90	82.6 - 122

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroform	45.9	µg/L	1	50.0	<0.345	92	84.8 - 116
1,1,1-Trichloroethane	47.6	µg/L	1	50.0	<0.303	95	72.9 - 123
1,1-Dichloropropene	49.3	µg/L	1	50.0	<0.356	99	85.9 - 119
Benzene	48.8	µg/L	1	50.0	<0.356	98	83.5 - 115
Carbon Tetrachloride	50.5	µg/L	1	50.0	<0.342	101	62.7 - 144
1,2-Dichloropropane	50.1	µg/L	1	50.0	<0.366	100	88.8 - 114
Trichloroethene (TCE)	53.5	µg/L	1	50.0	<0.434	107	91.3 - 111
Dibromomethane (methylene bromide)	50.4	µg/L	1	50.0	<0.406	101	84.2 - 118
Bromodichloromethane	49.9	µg/L	1	50.0	<0.325	100	79.5 - 127
2-Chloroethyl vinyl ether	48.6	µg/L	1	50.0	<0.366	97	75.1 - 128
cis-1,3-Dichloropropene	47.4	µg/L	1	50.0	<0.387	95	83.2 - 119
trans-1,3-Dichloropropene	46.8	µg/L	1	50.0	<0.367	94	77.4 - 126
Toluene	49.9	µg/L	1	50.0	<0.366	100	82 - 110
1,1,2-Trichloroethane	48.6	µg/L	1	50.0	<0.397	97	77 - 123
1,3-Dichloropropane	47.8	µg/L	1	50.0	<0.355	96	81.1 - 124
Dibromochloromethane	52.8	µg/L	1	50.0	<0.315	106	79 - 129
1,2-Dibromoethane (EDB)	52.5	µg/L	1	50.0	<0.340	105	78.6 - 126
Tetrachloroethene (PCE)	49.9	µg/L	1	50.0	<0.355	100	36.7 - 173
Chlorobenzene	50.5	µg/L	1	50.0	<0.363	101	87.9 - 109
1,1,1,2-Tetrachloroethane	51.9	µg/L	1	50.0	<0.338	104	80.5 - 125
Ethylbenzene	48.2	µg/L	1	50.0	<0.350	96	82.4 - 116
m,p-Xylene	96.1	µg/L	1	100	<0.752	96	80 - 119
Bromoform	57.6	µg/L	1	50.0	<0.275	115	75.8 - 132
Styrene	52.2	µg/L	1	50.0	<0.395	104	84.2 - 117
o-Xylene	48.9	µg/L	1	50.0	<0.375	98	82.1 - 119
1,1,2,2-Tetrachloroethane	49.9	µg/L	1	50.0	<0.283	100	69.7 - 124
2-Chlorotoluene	47.8	µg/L	1	50.0	<0.445	96	76.5 - 123
1,2,3-Trichloropropane	46.3	µg/L	1	50.0	<0.430	93	66.3 - 130
Isopropylbenzene	47.8	µg/L	1	50.0	<0.521	96	78.3 - 123
Bromobenzene	47.5	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	44.3	µg/L	1	50.0	<0.483	89	72.6 - 122
1,3,5-Trimethylbenzene	46.4	µg/L	1	50.0	<0.487	93	69.6 - 127
tert-Butylbenzene	46.6	µg/L	1	50.0	<0.496	93	64 - 129
1,2,4-Trimethylbenzene	46.3	µg/L	1	50.0	<0.532	93	71 - 123
1,4-Dichlorobenzene (para)	49.5	µg/L	1	50.0	<0.413	99	74 - 118
sec-Butylbenzene	44.4	µg/L	1	50.0	<0.449	89	59.8 - 129
1,3-Dichlorobenzene (meta)	49.8	µg/L	1	50.0	<0.451	100	80.2 - 119
p-Isopropyltoluene	46.0	µg/L	1	50.0	<0.450	92	54.8 - 135
4-Chlorotoluene	48.3	µg/L	1	50.0	<0.489	97	78.9 - 124
1,2-Dichlorobenzene (ortho)	51.1	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene	43.6	µg/L	1	50.0	<0.461	87	51.1 - 136
1,2-Dibromo-3-chloropropane	43.8	µg/L	1	50.0	<0.532	88	38.2 - 151
1,2,3-Trichlorobenzene	37.2	µg/L	1	50.0	<0.288	74	25.4 - 158
1,2,4-Trichlorobenzene	42.8	µg/L	1	50.0	<0.273	86	38.2 - 140
Naphthalene	40.7	µg/L	1	50.0	<0.299	81	33.3 - 152
Hexachlorobutadiene	49.5	µg/L	1	50.0	<0.483	99	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.2	µg/L	1	50.0	<0.351	98	85.7 - 113	1	20
Dichlorodifluoromethane	40.0	µg/L	1	50.0	<0.306	80	60.3 - 134	1	20
Chloromethane (methyl chloride)	42.4	µg/L	1	50.0	<0.240	85	72 - 120	0	20
Vinyl Chloride	47.0	µg/L	1	50.0	<0.224	94	64.4 - 132	3	20
Bromomethane (methyl bromide)	40.6	µg/L	1	50.0	<0.325	81	65.9 - 133	0	20
Chloroethane	45.9	µg/L	1	50.0	<0.303	92	65.3 - 132	0	20
Trichlorofluoromethane	44.3	µg/L	1	50.0	<0.255	89	52.7 - 159	0	20
Acetone	42.4	µg/L	1	50.0	<1.86	85	10 - 185	33	20
Iodomethane (methyl iodide)	50.1	µg/L	1	50.0	<0.397	100	80.9 - 112	3	20
Carbon Disulfide	43.8	µg/L	1	50.0	<0.354	88	73.7 - 120	3	20
Acrylonitrile	51.7	µg/L	1	50.0	<0.306	103	75.8 - 121	1	20
2-Butanone (MEK)	39.1	µg/L	1	50.0	<0.670	78	43.7 - 117	1	20
4-Methyl-2-pentanone (MIBK)	51.0	µg/L	1	50.0	<0.463	102	69.3 - 120	3	20
2-Hexanone	44.9	µg/L	1	50.0	<0.303	90	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	36.8	µg/L	1	50.0	<0.407	74	40 - 128	4	20
1,1-Dichloroethene	48.3	µg/L	1	50.0	<0.326	97	83.4 - 114	3	20
Methylene chloride	40.8	µg/L	1	50.0	<0.375	82	62.6 - 119	4	20
MTBE	47.4	µg/L	1	50.0	<0.352	95	70 - 132	2	20
trans-1,2-Dichloroethene	46.9	µg/L	1	50.0	<0.322	94	83.3 - 114	2	20
1,1-Dichloroethane	46.9	µg/L	1	50.0	<0.324	94	87.8 - 113	2	20
cis-1,2-Dichloroethene	47.5	µg/L	1	50.0	<0.331	95	83.8 - 115	2	20
2,2-Dichloropropane	27.0	µg/L	1	50.0	<0.440	54	37.9 - 136	4	20
1,2-Dichloroethane (EDC)	43.7	µg/L	1	50.0	<0.327	87	82.6 - 122	2	20
Chloroform	44.8	µg/L	1	50.0	<0.345	90	84.8 - 116	2	20
1,1,1-Trichloroethane	47.0	µg/L	1	50.0	<0.303	94	72.9 - 123	1	20
1,1-Dichloropropene	48.3	µg/L	1	50.0	<0.356	97	85.9 - 119	2	20
Benzene	47.6	µg/L	1	50.0	<0.356	95	83.5 - 115	2	20
Carbon Tetrachloride	50.0	µg/L	1	50.0	<0.342	100	62.7 - 144	1	20
1,2-Dichloropropane	49.0	µg/L	1	50.0	<0.366	98	88.8 - 114	2	20
Trichloroethene (TCE)	52.2	µg/L	1	50.0	<0.434	104	91.3 - 111	2	20
Dibromomethane (methylene bromide)	48.8	µg/L	1	50.0	<0.406	98	84.2 - 118	3	20
Bromodichloromethane	48.8	µg/L	1	50.0	<0.325	98	79.5 - 127	2	20
2-Chloroethyl vinyl ether	47.6	µg/L	1	50.0	<0.366	95	75.1 - 128	2	20
cis-1,3-Dichloropropene	45.9	µg/L	1	50.0	<0.387	92	83.2 - 119	3	20
trans-1,3-Dichloropropene	45.8	µg/L	1	50.0	<0.367	92	77.4 - 126	2	20
Toluene	48.8	µg/L	1	50.0	<0.366	98	82 - 110	2	20
1,1,2-Trichloroethane	47.4	µg/L	1	50.0	<0.397	95	77 - 123	2	20
1,3-Dichloropropane	47.0	µg/L	1	50.0	<0.355	94	81.1 - 124	2	20
Dibromochloromethane	53.0	µg/L	1	50.0	<0.315	106	79 - 129	0	20
1,2-Dibromoethane (EDB)	51.9	µg/L	1	50.0	<0.340	104	78.6 - 126	1	20
Tetrachloroethene (PCE)	48.3	µg/L	1	50.0	<0.355	97	36.7 - 173	3	20
Chlorobenzene	49.5	µg/L	1	50.0	<0.363	99	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	51.4	µg/L	1	50.0	<0.338	103	80.5 - 125	1	20
Ethylbenzene	47.2	µg/L	1	50.0	<0.350	94	82.4 - 116	2	20
m,p-Xylene	94.5	µg/L	1	100	<0.752	94	80 - 119	2	20
Bromoform	58.0	µg/L	1	50.0	<0.275	116	75.8 - 132	1	20
Styrene	51.3	µg/L	1	50.0	<0.395	103	84.2 - 117	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
o-Xylene	48.0	µg/L	1	50.0	<0.375	96	82.1 - 119	2	20
1,1,2,2-Tetrachloroethane	49.2	µg/L	1	50.0	<0.283	98	69.7 - 124	1	20
2-Chlorotoluene	47.1	µg/L	1	50.0	<0.445	94	76.5 - 123	2	20
1,2,3-Trichloropropane	46.3	µg/L	1	50.0	<0.430	93	66.3 - 130	0	20
Isopropylbenzene	47.5	µg/L	1	50.0	<0.521	95	78.3 - 123	1	20
Bromobenzene	47.1	µg/L	1	50.0	<0.494	94	79.9 - 122	1	20
n-Propylbenzene	43.9	µg/L	1	50.0	<0.483	88	72.6 - 122	1	20
1,3,5-Trimethylbenzene	45.5	µg/L	1	50.0	<0.487	91	69.6 - 127	2	20
tert-Butylbenzene	46.1	µg/L	1	50.0	<0.496	92	64 - 129	1	20
1,2,4-Trimethylbenzene	46.0	µg/L	1	50.0	<0.532	92	71 - 123	1	20
1,4-Dichlorobenzene (para)	48.2	µg/L	1	50.0	<0.413	96	74 - 118	3	20
sec-Butylbenzene	44.1	µg/L	1	50.0	<0.449	88	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	48.9	µg/L	1	50.0	<0.451	98	80.2 - 119	2	20
p-Isopropyltoluene	45.2	µg/L	1	50.0	<0.450	90	54.8 - 135	2	20
4-Chlorotoluene	47.7	µg/L	1	50.0	<0.489	95	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	50.7	µg/L	1	50.0	<0.438	101	80 - 120	1	20
n-Butylbenzene	43.0	µg/L	1	50.0	<0.461	86	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	44.6	µg/L	1	50.0	<0.532	89	38.2 - 151	2	20
1,2,3-Trichlorobenzene	49.5	µg/L	1	50.0	<0.288	99	25.4 - 158	28	20
1,2,4-Trichlorobenzene	47.4	µg/L	1	50.0	<0.273	95	38.2 - 140	10	20
Naphthalene	52.0	µg/L	1	50.0	<0.299	104	33.3 - 152	24	20
Hexachlorobutadiene	52.2	µg/L	1	50.0	<0.483	104	49.1 - 134	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	43.8	44.4	µg/L	1	50.0	88	89	82.4 - 115
Toluene-d8 [4]	44.6	45.2	µg/L	1	50.0	89	90	89.7 - 108
4-Bromofluorobenzene (4-BFB)	44.8	44.9	µg/L	1	50.0	90	90	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38244 | Date Analyzed: 2007-06-16 | Analyzed By: KB
Prep Batch: 33107 | QC Preparation: 2007-06-16 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.4	µg/L	1	50.0	<0.351	103	85.7 - 113
Dichlorodifluoromethane	42.2	µg/L	1	50.0	<0.306	84	60.3 - 134
Chloromethane (methyl chloride)	42.9	µg/L	1	50.0	<0.240	86	72 - 120
Vinyl Chloride	46.7	µg/L	1	50.0	<0.224	93	64.4 - 132
Bromomethane (methyl bromide)	44.0	µg/L	1	50.0	<0.325	88	65.9 - 133
Chloroethane	45.9	µg/L	1	50.0	<0.303	92	65.3 - 132
Trichlorofluoromethane	49.0	µg/L	1	50.0	<0.255	98	52.7 - 159
Acetone	40.7	µg/L	1	50.0	<1.86	81	10 - 185
Iodomethane (methyl iodide)	51.3	µg/L	1	50.0	<0.397	103	80.9 - 112
Carbon Disulfide	46.4	µg/L	1	50.0	<0.354	93	73.7 - 120

continued ...

[4] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acrylonitrile	50.5	µg/L	1	50.0	<0.306	101	75.8 - 121
2-Butanone (MEK)	48.7	µg/L	1	50.0	<0.670	97	43.7 - 117
4-Methyl-2-pentanone (MIBK)	49.0	µg/L	1	50.0	<0.463	98	69.3 - 120
2-Hexanone	44.5	µg/L	1	50.0	<0.303	89	35.6 - 138
trans 1,4-Dichloro-2-butene	47.9	µg/L	1	50.0	<0.407	96	40 - 128
1,1-Dichloroethene	51.2	µg/L	1	50.0	<0.326	102	83.4 - 114
Methylene chloride	50.3	µg/L	1	50.0	<0.375	101	62.6 - 119
MTBE	48.2	µg/L	1	50.0	<0.352	96	70 - 132
trans-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.322	103	83.3 - 114
1,1-Dichloroethane	48.2	µg/L	1	50.0	<0.324	96	87.8 - 113
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.331	106	83.8 - 115
2,2-Dichloropropane	50.4	µg/L	1	50.0	<0.440	101	37.9 - 136
1,2-Dichloroethane (EDC)	44.3	µg/L	1	50.0	<0.327	89	82.6 - 122
Chloroform	47.3	µg/L	1	50.0	<0.345	95	84.8 - 116
1,1,1-Trichloroethane	45.9	µg/L	1	50.0	<0.303	92	72.9 - 123
1,1-Dichloropropene	48.2	µg/L	1	50.0	<0.356	96	85.9 - 119
Benzene	51.8	µg/L	1	50.0	<0.356	104	83.5 - 115
Carbon Tetrachloride	45.4	µg/L	1	50.0	<0.342	91	62.7 - 144
1,2-Dichloropropane	50.4	µg/L	1	50.0	<0.366	101	88.8 - 114
Trichloroethene (TCE)	50.7	µg/L	1	50.0	<0.434	101	91.3 - 111
Dibromomethane (methylene bromide)	48.9	µg/L	1	50.0	<0.406	98	84.2 - 118
Bromodichloromethane	47.3	µg/L	1	50.0	<0.325	95	79.5 - 127
2-Chloroethyl vinyl ether	51.2	µg/L	1	50.0	<0.366	102	75.1 - 128
cis-1,3-Dichloropropene	51.4	µg/L	1	50.0	<0.387	103	83.2 - 119
trans-1,3-Dichloropropene	50.1	µg/L	1	50.0	<0.367	100	77.4 - 126
Toluene	48.0	µg/L	1	50.0	<0.366	96	82 - 110
1,1,2-Trichloroethane	49.7	µg/L	1	50.0	<0.397	99	77 - 123
1,3-Dichloropropane	48.4	µg/L	1	50.0	<0.355	97	81.1 - 124
Dibromochloromethane	47.9	µg/L	1	50.0	<0.315	96	79 - 129
1,2-Dibromoethane (EDB)	50.1	µg/L	1	50.0	<0.340	100	78.6 - 126
Tetrachloroethene (PCE)	49.7	µg/L	1	50.0	<0.355	99	36.7 - 173
Chlorobenzene	50.1	µg/L	1	50.0	<0.363	100	87.9 - 109
1,1,1,2-Tetrachloroethane	48.3	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	48.8	µg/L	1	50.0	<0.350	98	82.4 - 116
m,p-Xylene	95.7	µg/L	1	100	<0.752	96	80 - 119
Bromoform	48.8	µg/L	1	50.0	<0.275	98	75.8 - 132
Styrene	51.6	µg/L	1	50.0	<0.395	103	84.2 - 117
o-Xylene	48.2	µg/L	1	50.0	<0.375	96	82.1 - 119
1,1,2,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.283	100	69.7 - 124
2-Chlorotoluene	49.5	µg/L	1	50.0	<0.445	99	76.5 - 123
1,2,3-Trichloropropane	49.6	µg/L	1	50.0	<0.430	99	66.3 - 130
Isopropylbenzene	50.5	µg/L	1	50.0	<0.521	101	78.3 - 123
Bromobenzene	50.5	µg/L	1	50.0	<0.494	101	79.9 - 122
n-Propylbenzene	50.8	µg/L	1	50.0	<0.483	102	72.6 - 122
1,3,5-Trimethylbenzene	50.5	µg/L	1	50.0	<0.487	101	69.6 - 127
tert-Butylbenzene	51.2	µg/L	1	50.0	<0.496	102	64 - 129
1,2,4-Trimethylbenzene	51.3	µg/L	1	50.0	<0.532	103	71 - 123
1,4-Dichlorobenzene (para)	50.2	µg/L	1	50.0	<0.413	100	74 - 118
sec-Butylbenzene	52.8	µg/L	1	50.0	<0.449	106	59.8 - 129
1,3-Dichlorobenzene (meta)	52.1	µg/L	1	50.0	<0.451	104	80.2 - 119

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
p-Isopropyltoluene	52.6	µg/L	1	50.0	<0.450	105	54.8 - 135
4-Chlorotoluene	49.8	µg/L	1	50.0	<0.489	100	78.9 - 124
1,2-Dichlorobenzene (ortho)	51.6	µg/L	1	50.0	<0.438	103	80 - 120
n-Butylbenzene	53.5	µg/L	1	50.0	<0.461	107	51.1 - 136
1,2-Dibromo-3-chloropropane	47.7	µg/L	1	50.0	<0.532	95	38.2 - 151
1,2,3-Trichlorobenzene [5]	80.8	µg/L	1	50.0	<0.288	162	25.4 - 158
1,2,4-Trichlorobenzene	59.2	µg/L	1	50.0	<0.273	118	38.2 - 140
Naphthalene	73.4	µg/L	1	50.0	<0.299	147	33.3 - 152
Hexachlorobutadiene	61.1	µg/L	1	50.0	<0.483	122	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.9	µg/L	1	50.0	<0.351	104	85.7 - 113	1	20
Dichlorodifluoromethane	43.7	µg/L	1	50.0	<0.306	87	60.3 - 134	4	20
Chloromethane (methyl chloride)	44.8	µg/L	1	50.0	<0.240	90	72 - 120	4	20
Vinyl Chloride	48.4	µg/L	1	50.0	<0.224	97	64.4 - 132	4	20
Bromomethane (methyl bromide)	45.8	µg/L	1	50.0	<0.325	92	65.9 - 133	4	20
Chloroethane	47.8	µg/L	1	50.0	<0.303	96	65.3 - 132	4	20
Trichlorofluoromethane	51.9	µg/L	1	50.0	<0.255	104	52.7 - 159	6	20
Acetone	39.7	µg/L	1	50.0	<1.86	79	10 - 185	2	20
Iodomethane (methyl iodide)	52.1	µg/L	1	50.0	<0.397	104	80.9 - 112	2	20
Carbon Disulfide	46.8	µg/L	1	50.0	<0.354	94	73.7 - 120	1	20
Acrylonitrile	52.2	µg/L	1	50.0	<0.306	104	75.8 - 121	3	20
2-Butanone (MEK)	47.6	µg/L	1	50.0	<0.670	95	43.7 - 117	2	20
4-Methyl-2-pentanone (MIBK)	50.6	µg/L	1	50.0	<0.463	101	69.3 - 120	3	20
2-Hexanone	47.6	µg/L	1	50.0	<0.303	95	35.6 - 138	7	20
trans 1,4-Dichloro-2-butene	49.2	µg/L	1	50.0	<0.407	98	40 - 128	3	20
1,1-Dichloroethene	51.8	µg/L	1	50.0	<0.326	104	83.4 - 114	1	20
Methylene chloride	51.1	µg/L	1	50.0	<0.375	102	62.6 - 119	2	20
MTBE	48.8	µg/L	1	50.0	<0.352	98	70 - 132	1	20
trans-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.322	103	83.3 - 114	0	20
1,1-Dichloroethane	48.9	µg/L	1	50.0	<0.324	98	87.8 - 113	1	20
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.331	106	83.8 - 115	0	20
2,2-Dichloropropane	50.4	µg/L	1	50.0	<0.440	101	37.9 - 136	0	20
1,2-Dichloroethane (EDC)	44.7	µg/L	1	50.0	<0.327	89	82.6 - 122	1	20
Chloroform	47.5	µg/L	1	50.0	<0.345	95	84.8 - 116	0	20
1,1,1-Trichloroethane	46.7	µg/L	1	50.0	<0.303	93	72.9 - 123	2	20
1,1-Dichloropropene	48.3	µg/L	1	50.0	<0.356	97	85.9 - 119	0	20
Benzene	51.5	µg/L	1	50.0	<0.356	103	83.5 - 115	1	20
Carbon Tetrachloride	46.6	µg/L	1	50.0	<0.342	93	62.7 - 144	3	20
1,2-Dichloropropane	50.5	µg/L	1	50.0	<0.366	101	88.8 - 114	0	20
Trichloroethene (TCE)	51.1	µg/L	1	50.0	<0.434	102	91.3 - 111	1	20
Dibromomethane (methylene bromide)	49.7	µg/L	1	50.0	<0.406	99	84.2 - 118	2	20
Bromodichloromethane	48.2	µg/L	1	50.0	<0.325	96	79.5 - 127	2	20
2-Chloroethyl vinyl ether	51.3	µg/L	1	50.0	<0.366	103	75.1 - 128	0	20
cis-1,3-Dichloropropene	52.2	µg/L	1	50.0	<0.387	104	83.2 - 119	2	20
trans-1,3-Dichloropropene	51.2	µg/L	1	50.0	<0.367	102	77.4 - 126	2	20
Toluene	48.5	µg/L	1	50.0	<0.366	97	82 - 110	1	20

continued ...

[5] LCS analyte out. Majority of components within limits and shows the process is in control. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1,2-Trichloroethane		50.6	µg/L	1	50.0	<0.397	101	77 - 123	2	20
1,3-Dichloropropane		48.9	µg/L	1	50.0	<0.355	98	81.1 - 124	1	20
Dibromochloromethane		48.8	µg/L	1	50.0	<0.315	98	79 - 129	2	20
1,2-Dibromoethane (EDB)		50.4	µg/L	1	50.0	<0.340	101	78.6 - 126	1	20
Tetrachloroethene (PCE)		49.6	µg/L	1	50.0	<0.355	99	36.7 - 173	0	20
Chlorobenzene		50.7	µg/L	1	50.0	<0.363	101	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane		48.7	µg/L	1	50.0	<0.338	97	80.5 - 125	1	20
Ethylbenzene		48.9	µg/L	1	50.0	<0.350	98	82.4 - 116	0	20
m,p-Xylene		95.7	µg/L	1	100	<0.752	96	80 - 119	0	20
Bromoform		50.7	µg/L	1	50.0	<0.275	101	75.8 - 132	4	20
Styrene		51.3	µg/L	1	50.0	<0.395	103	84.2 - 117	1	20
o-Xylene		48.2	µg/L	1	50.0	<0.375	96	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane		50.3	µg/L	1	50.0	<0.283	101	69.7 - 124	1	20
2-Chlorotoluene		49.8	µg/L	1	50.0	<0.445	100	76.5 - 123	1	20
1,2,3-Trichloropropane		50.0	µg/L	1	50.0	<0.430	100	66.3 - 130	1	20
Isopropylbenzene		50.9	µg/L	1	50.0	<0.521	102	78.3 - 123	1	20
Bromobenzene		50.6	µg/L	1	50.0	<0.494	101	79.9 - 122	0	20
n-Propylbenzene		50.4	µg/L	1	50.0	<0.483	101	72.6 - 122	1	20
1,3,5-Trimethylbenzene		50.7	µg/L	1	50.0	<0.487	101	69.6 - 127	0	20
tert-Butylbenzene		52.0	µg/L	1	50.0	<0.496	104	64 - 129	2	20
1,2,4-Trimethylbenzene		51.4	µg/L	1	50.0	<0.532	103	71 - 123	0	20
1,4-Dichlorobenzene (para)		50.3	µg/L	1	50.0	<0.413	101	74 - 118	0	20
sec-Butylbenzene		52.9	µg/L	1	50.0	<0.449	106	59.8 - 129	0	20
1,3-Dichlorobenzene (meta)		52.6	µg/L	1	50.0	<0.451	105	80.2 - 119	1	20
p-Isopropyltoluene		52.9	µg/L	1	50.0	<0.450	106	54.8 - 135	1	20
4-Chlorotoluene		50.3	µg/L	1	50.0	<0.489	101	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)		52.0	µg/L	1	50.0	<0.438	104	80 - 120	1	20
n-Butylbenzene		53.6	µg/L	1	50.0	<0.461	107	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane		48.1	µg/L	1	50.0	<0.532	96	38.2 - 151	1	20
1,2,3-Trichlorobenzene	[6]	85.6	µg/L	1	50.0	<0.288	171	25.4 - 158	6	20
1,2,4-Trichlorobenzene		60.5	µg/L	1	50.0	<0.273	121	38.2 - 140	2	20
Naphthalene	[7]	76.3	µg/L	1	50.0	<0.299	153	33.3 - 152	4	20
Hexachlorobutadiene		60.8	µg/L	1	50.0	<0.483	122	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	46.9	46.5	µg/L	1	50.0	94	93	82.4 - 115
Toluene-d8	48.4	47.2	µg/L	1	50.0	97	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.0	46.4	µg/L	1	50.0	94	93	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38308 Date Analyzed: 2007-06-18 Analyzed By: KB
Prep Batch: 33167 QC Preparation: 2007-06-18 Prepared By: KB

[6] LCS analyte out. Majority of components within limits and shows the process is in control. •
[7] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.351	104	85.7 - 113
Dichlorodifluoromethane	40.2	µg/L	1	50.0	<0.306	80	60.3 - 134
Chloromethane (methyl chloride)	43.4	µg/L	1	50.0	<0.240	87	72 - 120
Vinyl Chloride	47.0	µg/L	1	50.0	<0.224	94	64.4 - 132
Bromomethane (methyl bromide)	44.6	µg/L	1	50.0	<0.325	89	65.9 - 133
Chloroethane	46.1	µg/L	1	50.0	<0.303	92	65.3 - 132
Trichlorofluoromethane	50.6	µg/L	1	50.0	<0.255	101	52.7 - 159
Acetone	48.4	µg/L	1	50.0	<1.86	97	10 - 185
Iodomethane (methyl iodide)	52.1	µg/L	1	50.0	<0.397	104	80.9 - 112
Carbon Disulfide	47.0	µg/L	1	50.0	<0.354	94	73.7 - 120
Acrylonitrile	53.7	µg/L	1	50.0	<0.306	107	75.8 - 121
2-Butanone (MEK)	53.9	µg/L	1	50.0	<0.670	108	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.1	µg/L	1	50.0	<0.463	104	69.3 - 120
2-Hexanone	51.5	µg/L	1	50.0	<0.303	103	35.6 - 138
trans 1,4-Dichloro-2-butene	50.0	µg/L	1	50.0	<0.407	100	40 - 128
1,1-Dichloroethene	52.4	µg/L	1	50.0	<0.326	105	83.4 - 114
Methylene chloride	52.7	µg/L	1	50.0	<0.375	105	62.6 - 119
MTBE	50.2	µg/L	1	50.0	<0.352	100	70 - 132
trans-1,2-Dichloroethene	52.3	µg/L	1	50.0	<0.322	105	83.3 - 114
1,1-Dichloroethane	49.7	µg/L	1	50.0	<0.324	99	87.8 - 113
cis-1,2-Dichloroethene	53.6	µg/L	1	50.0	<0.331	107	83.8 - 115
2,2-Dichloropropane	50.5	µg/L	1	50.0	<0.440	101	37.9 - 136
1,2-Dichloroethane (EDC)	45.5	µg/L	1	50.0	<0.327	91	82.6 - 122
Chloroform	48.0	µg/L	1	50.0	<0.345	96	84.8 - 116
1,1,1-Trichloroethane	47.0	µg/L	1	50.0	<0.303	94	72.9 - 123
1,1-Dichloropropene	47.8	µg/L	1	50.0	<0.356	96	85.9 - 119
Benzene	51.7	µg/L	1	50.0	<0.356	103	83.5 - 115
Carbon Tetrachloride	44.9	µg/L	1	50.0	<0.342	90	62.7 - 144
1,2-Dichloropropane	50.8	µg/L	1	50.0	<0.366	102	88.8 - 114
Trichloroethene (TCE)	49.9	µg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)	49.5	µg/L	1	50.0	<0.406	99	84.2 - 118
Bromodichloromethane	47.8	µg/L	1	50.0	<0.325	96	79.5 - 127
2-Chloroethyl vinyl ether	51.5	µg/L	1	50.0	<0.366	103	75.1 - 128
cis-1,3-Dichloropropene	51.5	µg/L	1	50.0	<0.387	103	83.2 - 119
trans-1,3-Dichloropropene	50.4	µg/L	1	50.0	<0.367	101	77.4 - 126
Toluene	47.0	µg/L	1	50.0	<0.366	94	82 - 110
1,1,2-Trichloroethane	51.1	µg/L	1	50.0	<0.397	102	77 - 123
1,3-Dichloropropane	49.2	µg/L	1	50.0	<0.355	98	81.1 - 124
Dibromochloromethane	48.6	µg/L	1	50.0	<0.315	97	79 - 129
1,2-Dibromoethane (EDB)	50.5	µg/L	1	50.0	<0.340	101	78.6 - 126
Tetrachloroethene (PCE)	47.0	µg/L	1	50.0	<0.355	94	36.7 - 173
Chlorobenzene	49.2	µg/L	1	50.0	<0.363	98	87.9 - 109
1,1,1,2-Tetrachloroethane	47.2	µg/L	1	50.0	<0.338	94	80.5 - 125
Ethylbenzene	46.9	µg/L	1	50.0	<0.350	94	82.4 - 116
m,p-Xylene	91.0	µg/L	1	100	<0.752	91	80 - 119
Bromoform	49.6	µg/L	1	50.0	<0.275	99	75.8 - 132
Styrene	49.8	µg/L	1	50.0	<0.395	100	84.2 - 117
o-Xylene	46.4	µg/L	1	50.0	<0.375	93	82.1 - 119
1,1,2,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.283	104	69.7 - 124
2-Chlorotoluene	49.1	µg/L	1	50.0	<0.445	98	76.5 - 123
1,2,3-Trichloropropane	53.8	µg/L	1	50.0	<0.430	108	66.3 - 130

continued ...

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene		49.0	µg/L	1	50.0	<0.521	98	78.3 - 123
Bromobenzene		52.0	µg/L	1	50.0	<0.494	104	79.9 - 122
n-Propylbenzene		48.5	µg/L	1	50.0	<0.483	97	72.6 - 122
1,3,5-Trimethylbenzene		48.7	µg/L	1	50.0	<0.487	97	69.6 - 127
tert-Butylbenzene		49.4	µg/L	1	50.0	<0.496	99	64 - 129
1,2,4-Trimethylbenzene		48.7	µg/L	1	50.0	<0.532	97	71 - 123
1,4-Dichlorobenzene (para)		48.9	µg/L	1	50.0	<0.413	98	74 - 118
sec-Butylbenzene		51.4	µg/L	1	50.0	<0.449	103	59.8 - 129
1,3-Dichlorobenzene (meta)		51.4	µg/L	1	50.0	<0.451	103	80.2 - 119
p-Isopropyltoluene		50.6	µg/L	1	50.0	<0.450	101	54.8 - 135
4-Chlorotoluene		49.6	µg/L	1	50.0	<0.489	99	78.9 - 124
1,2-Dichlorobenzene (ortho)		51.3	µg/L	1	50.0	<0.438	103	80 - 120
n-Butylbenzene		52.7	µg/L	1	50.0	<0.461	105	51.1 - 136
1,2-Dibromo-3-chloropropane		51.0	µg/L	1	50.0	<0.532	102	38.2 - 151
1,2,3-Trichlorobenzene	[8]	86.6	µg/L	1	50.0	<0.288	173	25.4 - 158
1,2,4-Trichlorobenzene		59.2	µg/L	1	50.0	<0.273	118	38.2 - 140
Naphthalene	[9]	76.6	µg/L	1	50.0	<0.299	153	33.3 - 152
Hexachlorobutadiene		60.1	µg/L	1	50.0	<0.483	120	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.3	µg/L	1	50.0	<0.351	103	85.7 - 113	1	20
Dichlorodifluoromethane	40.2	µg/L	1	50.0	<0.306	80	60.3 - 134	0	20
Chloromethane (methyl chloride)	43.3	µg/L	1	50.0	<0.240	87	72 - 120	0	20
Vinyl Chloride	46.3	µg/L	1	50.0	<0.224	93	64.4 - 132	2	20
Bromomethane (methyl bromide)	43.6	µg/L	1	50.0	<0.325	87	65.9 - 133	2	20
Chloroethane	45.7	µg/L	1	50.0	<0.303	91	65.3 - 132	1	20
Trichlorofluoromethane	50.2	µg/L	1	50.0	<0.255	100	52.7 - 159	1	20
Acetone	46.5	µg/L	1	50.0	<1.86	93	10 - 185	4	20
Iodomethane (methyl iodide)	52.5	µg/L	1	50.0	<0.397	105	80.9 - 112	1	20
Carbon Disulfide	47.4	µg/L	1	50.0	<0.354	95	73.7 - 120	1	20
Acrylonitrile	54.4	µg/L	1	50.0	<0.306	109	75.8 - 121	1	20
2-Butanone (MEK)	54.1	µg/L	1	50.0	<0.670	108	43.7 - 117	0	20
4-Methyl-2-pentanone (MIBK)	54.4	µg/L	1	50.0	<0.463	109	69.3 - 120	4	20
2-Hexanone	51.3	µg/L	1	50.0	<0.303	103	35.6 - 138	0	20
trans 1,4-Dichloro-2-butene	51.0	µg/L	1	50.0	<0.407	102	40 - 128	2	20
1,1-Dichloroethene	52.1	µg/L	1	50.0	<0.326	104	83.4 - 114	1	20
Methylene chloride	53.0	µg/L	1	50.0	<0.375	106	62.6 - 119	1	20
MTBE	51.0	µg/L	1	50.0	<0.352	102	70 - 132	2	20
trans-1,2-Dichloroethene	52.3	µg/L	1	50.0	<0.322	105	83.3 - 114	0	20
1,1-Dichloroethane	49.4	µg/L	1	50.0	<0.324	99	87.8 - 113	1	20
cis-1,2-Dichloroethene	54.3	µg/L	1	50.0	<0.331	109	83.8 - 115	1	20
2,2-Dichloropropane	50.1	µg/L	1	50.0	<0.440	100	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	45.5	µg/L	1	50.0	<0.327	91	82.6 - 122	0	20
Chloroform	48.3	µg/L	1	50.0	<0.345	97	84.8 - 116	1	20
1,1,1-Trichloroethane	47.1	µg/L	1	50.0	<0.303	94	72.9 - 123	0	20
1,1-Dichloropropene	47.6	µg/L	1	50.0	<0.356	95	85.9 - 119	0	20

continued ...

[8] LCS analyte outside normal limits. Majority of components within limits shows the process to be in control. •
[9] LCS analyte outside normal limits. Majority of components within limits shows the process to be in control. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	51.4	µg/L	1	50.0	<0.356	103	83.5 - 115	1	20
Carbon Tetrachloride	44.9	µg/L	1	50.0	<0.342	90	62.7 - 144	0	20
1,2-Dichloropropane	50.6	µg/L	1	50.0	<0.366	101	88.8 - 114	0	20
Trichloroethene (TCE)	49.4	µg/L	1	50.0	<0.434	99	91.3 - 111	1	20
Dibromomethane (methylene bromide)	50.6	µg/L	1	50.0	<0.406	101	84.2 - 118	2	20
Bromodichloromethane	47.9	µg/L	1	50.0	<0.325	96	79.5 - 127	0	20
2-Chloroethyl vinyl ether	51.4	µg/L	1	50.0	<0.366	103	75.1 - 128	0	20
cis-1,3-Dichloropropene	51.5	µg/L	1	50.0	<0.387	103	83.2 - 119	0	20
trans-1,3-Dichloropropene	50.2	µg/L	1	50.0	<0.367	100	77.4 - 126	0	20
Toluene	47.4	µg/L	1	50.0	<0.366	95	82 - 110	1	20
1,1,2-Trichloroethane	51.9	µg/L	1	50.0	<0.397	104	77 - 123	2	20
1,3-Dichloropropane	49.8	µg/L	1	50.0	<0.355	100	81.1 - 124	1	20
Dibromochloromethane	48.7	µg/L	1	50.0	<0.315	97	79 - 129	0	20
1,2-Dibromoethane (EDB)	50.8	µg/L	1	50.0	<0.340	102	78.6 - 126	1	20
Tetrachloroethene (PCE)	46.3	µg/L	1	50.0	<0.355	93	36.7 - 173	2	20
Chlorobenzene	49.2	µg/L	1	50.0	<0.363	98	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	47.3	µg/L	1	50.0	<0.338	95	80.5 - 125	0	20
Ethylbenzene	46.7	µg/L	1	50.0	<0.350	93	82.4 - 116	0	20
m,p-Xylene	90.7	µg/L	1	100	<0.752	91	80 - 119	0	20
Bromoform	50.9	µg/L	1	50.0	<0.275	102	75.8 - 132	3	20
Styrene	49.7	µg/L	1	50.0	<0.395	99	84.2 - 117	0	20
o-Xylene	46.1	µg/L	1	50.0	<0.375	92	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.283	104	69.7 - 124	0	20
2-Chlorotoluene	48.7	µg/L	1	50.0	<0.445	97	76.5 - 123	1	20
1,2,3-Trichloropropane	53.6	µg/L	1	50.0	<0.430	107	66.3 - 130	0	20
Isopropylbenzene	48.6	µg/L	1	50.0	<0.521	97	78.3 - 123	1	20
Bromobenzene	51.9	µg/L	1	50.0	<0.494	104	79.9 - 122	0	20
n-Propylbenzene	48.4	µg/L	1	50.0	<0.483	97	72.6 - 122	0	20
1,3,5-Trimethylbenzene	47.9	µg/L	1	50.0	<0.487	96	69.6 - 127	2	20
tert-Butylbenzene	48.7	µg/L	1	50.0	<0.496	97	64 - 129	1	20
1,2,4-Trimethylbenzene	48.4	µg/L	1	50.0	<0.532	97	71 - 123	1	20
1,4-Dichlorobenzene (para)	48.6	µg/L	1	50.0	<0.413	97	74 - 118	1	20
sec-Butylbenzene	50.6	µg/L	1	50.0	<0.449	101	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	50.9	µg/L	1	50.0	<0.451	102	80.2 - 119	1	20
p-Isopropyltoluene	50.7	µg/L	1	50.0	<0.450	101	54.8 - 135	0	20
4-Chlorotoluene	49.2	µg/L	1	50.0	<0.489	98	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.438	102	80 - 120	0	20
n-Butylbenzene	52.2	µg/L	1	50.0	<0.461	104	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	51.6	µg/L	1	50.0	<0.532	103	38.2 - 151	1	20
1,2,3-Trichlorobenzene [10]	86.8	µg/L	1	50.0	<0.288	174	25.4 - 158	0	20
1,2,4-Trichlorobenzene	58.6	µg/L	1	50.0	<0.273	117	38.2 - 140	1	20
Naphthalene [11]	77.2	µg/L	1	50.0	<0.299	154	33.3 - 152	1	20
Hexachlorobutadiene	60.1	µg/L	1	50.0	<0.483	120	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	48.8	49.0	µg/L	1	50.0	98	98	82.4 - 115

continued ...

[10] LCS analyte outside normal limits. Majority of components within limits shows the process to be in control. •
[11] LCS analyte outside normal limits. Majority of components within limits shows the process to be in control. •

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Toluene-d8	49.1	48.8	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	46.7	47.0	µg/L	1	50.0	93	94	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38348 Date Analyzed: 2007-06-19 Analyzed By: KB
Prep Batch: 33198 QC Preparation: 2007-06-19 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	54.8	µg/L	1	50.0	<0.351	110	85.7 - 113
Dichlorodifluoromethane	46.1	µg/L	1	50.0	<0.306	92	60.3 - 134
Chloromethane (methyl chloride)	49.0	µg/L	1	50.0	<0.240	98	72 - 120
Vinyl Chloride	51.0	µg/L	1	50.0	<0.224	102	64.4 - 132
Bromomethane (methyl bromide)	49.9	µg/L	1	50.0	<0.325	100	65.9 - 133
Chloroethane	51.0	µg/L	1	50.0	<0.303	102	65.3 - 132
Trichlorofluoromethane	59.7	µg/L	1	50.0	<0.255	119	52.7 - 159
Acetone	50.3	µg/L	1	50.0	<1.86	101	10 - 185
Iodomethane (methyl iodide)	54.9	µg/L	1	50.0	<0.397	110	80.9 - 112
Carbon Disulfide	51.1	µg/L	1	50.0	<0.354	102	73.7 - 120
Acrylonitrile	56.9	µg/L	1	50.0	<0.306	114	75.8 - 121
2-Butanone (MEK)	56.9	µg/L	1	50.0	<0.670	114	43.7 - 117
4-Methyl-2-pentanone (MIBK)	54.8	µg/L	1	50.0	<0.463	110	69.3 - 120
2-Hexanone	57.1	µg/L	1	50.0	<0.303	114	35.6 - 138
trans 1,4-Dichloro-2-butene	58.6	µg/L	1	50.0	<0.407	117	40 - 128
1,1-Dichloroethene	56.1	µg/L	1	50.0	<0.326	112	83.4 - 114
Methylene chloride	57.1	µg/L	1	50.0	<0.375	114	62.6 - 119
MTBE	54.9	µg/L	1	50.0	<0.352	110	70 - 132
trans-1,2-Dichloroethene	55.2	µg/L	1	50.0	<0.322	110	83.3 - 114
1,1-Dichloroethane	54.2	µg/L	1	50.0	<0.324	108	87.8 - 113
cis-1,2-Dichloroethene	57.3	µg/L	1	50.0	<0.331	115	83.8 - 115
2,2-Dichloropropane	57.8	µg/L	1	50.0	<0.440	116	37.9 - 136
1,2-Dichloroethane (EDC)	52.8	µg/L	1	50.0	<0.327	106	82.6 - 122
Chloroform	53.8	µg/L	1	50.0	<0.345	108	84.8 - 116
1,1,1-Trichloroethane	53.4	µg/L	1	50.0	<0.303	107	72.9 - 123
1,1-Dichloropropene	51.8	µg/L	1	50.0	<0.356	104	85.9 - 119
Benzene	53.7	µg/L	1	50.0	<0.356	107	83.5 - 115
Carbon Tetrachloride	50.4	µg/L	1	50.0	<0.342	101	62.7 - 144
1,2-Dichloropropane	53.2	µg/L	1	50.0	<0.366	106	88.8 - 114
Trichloroethene (TCE)	51.2	µg/L	1	50.0	<0.434	102	91.3 - 111
Dibromomethane (methylene bromide)	53.6	µg/L	1	50.0	<0.406	107	84.2 - 118
Bromodichloromethane	52.8	µg/L	1	50.0	<0.325	106	79.5 - 127
2-Chloroethyl vinyl ether	54.1	µg/L	1	50.0	<0.366	108	75.1 - 128
cis-1,3-Dichloropropene	55.1	µg/L	1	50.0	<0.387	110	83.2 - 119
trans-1,3-Dichloropropene	54.6	µg/L	1	50.0	<0.367	109	77.4 - 126
Toluene	50.2	µg/L	1	50.0	<0.366	100	82 - 110
1,1,2-Trichloroethane	53.4	µg/L	1	50.0	<0.397	107	77 - 123
1,3-Dichloropropane	51.3	µg/L	1	50.0	<0.355	103	81.1 - 124
Dibromochloromethane	51.7	µg/L	1	50.0	<0.315	103	79 - 129

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromoethane (EDB)	52.4	µg/L	1	50.0	<0.340	105	78.6 - 126
Tetrachloroethene (PCE)	49.0	µg/L	1	50.0	<0.355	98	36.7 - 173
Chlorobenzene	51.2	µg/L	1	50.0	<0.363	102	87.9 - 109
1,1,1,2-Tetrachloroethane	50.2	µg/L	1	50.0	<0.338	100	80.5 - 125
Ethylbenzene	50.4	µg/L	1	50.0	<0.350	101	82.4 - 116
m,p-Xylene	99.1	µg/L	1	100	<0.752	99	80 - 119
Bromoform	53.0	µg/L	1	50.0	<0.275	106	75.8 - 132
Styrene	52.1	µg/L	1	50.0	<0.395	104	84.2 - 117
o-Xylene	50.2	µg/L	1	50.0	<0.375	100	82.1 - 119
1,1,2,2-Tetrachloroethane	54.2	µg/L	1	50.0	<0.283	108	69.7 - 124
2-Chlorotoluene	52.5	µg/L	1	50.0	<0.445	105	76.5 - 123
1,2,3-Trichloropropane	54.5	µg/L	1	50.0	<0.430	109	66.3 - 130
Isopropylbenzene	51.4	µg/L	1	50.0	<0.521	103	78.3 - 123
Bromobenzene	54.0	µg/L	1	50.0	<0.494	108	79.9 - 122
n-Propylbenzene	52.2	µg/L	1	50.0	<0.483	104	72.6 - 122
1,3,5-Trimethylbenzene	51.0	µg/L	1	50.0	<0.487	102	69.6 - 127
tert-Butylbenzene	51.5	µg/L	1	50.0	<0.496	103	64 - 129
1,2,4-Trimethylbenzene	51.8	µg/L	1	50.0	<0.532	104	71 - 123
1,4-Dichlorobenzene (para)	50.7	µg/L	1	50.0	<0.413	101	74 - 118
sec-Butylbenzene	53.1	µg/L	1	50.0	<0.449	106	59.8 - 129
1,3-Dichlorobenzene (meta)	53.0	µg/L	1	50.0	<0.451	106	80.2 - 119
p-Isopropyltoluene	52.5	µg/L	1	50.0	<0.450	105	54.8 - 135
4-Chlorotoluene	52.6	µg/L	1	50.0	<0.489	105	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.4	µg/L	1	50.0	<0.438	105	80 - 120
n-Butylbenzene	54.4	µg/L	1	50.0	<0.461	109	51.1 - 136
1,2-Dibromo-3-chloropropane	50.2	µg/L	1	50.0	<0.532	100	38.2 - 151
1,2,3-Trichlorobenzene	67.7	µg/L	1	50.0	<0.288	135	25.4 - 158
1,2,4-Trichlorobenzene	50.6	µg/L	1	50.0	<0.273	101	38.2 - 140
Naphthalene	63.5	µg/L	1	50.0	<0.299	127	33.3 - 152
Hexachlorobutadiene	52.6	µg/L	1	50.0	<0.483	105	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	56.4	µg/L	1	50.0	<0.351	113	85.7 - 113	3	20
Dichlorodifluoromethane	44.9	µg/L	1	50.0	<0.306	90	60.3 - 134	3	20
Chloromethane (methyl chloride)	49.4	µg/L	1	50.0	<0.240	99	72 - 120	1	20
Vinyl Chloride	52.1	µg/L	1	50.0	<0.224	104	64.4 - 132	2	20
Bromomethane (methyl bromide)	50.0	µg/L	1	50.0	<0.325	100	65.9 - 133	0	20
Chloroethane	51.4	µg/L	1	50.0	<0.303	103	65.3 - 132	1	20
Trichlorofluoromethane	59.4	µg/L	1	50.0	<0.255	119	52.7 - 159	0	20
Acetone	48.9	µg/L	1	50.0	<1.86	98	10 - 185	3	20
Iodomethane (methyl iodide) [12]	57.1	µg/L	1	50.0	<0.397	114	80.9 - 112	4	20
Carbon Disulfide	52.8	µg/L	1	50.0	<0.354	106	73.7 - 120	3	20
Acrylonitrile	59.6	µg/L	1	50.0	<0.306	119	75.8 - 121	5	20
2-Butanone (MEK) [13]	59.3	µg/L	1	50.0	<0.670	119	43.7 - 117	4	20
4-Methyl-2-pentanone (MIBK)	55.9	µg/L	1	50.0	<0.463	112	69.3 - 120	2	20
2-Hexanone	59.2	µg/L	1	50.0	<0.303	118	35.6 - 138	4	20

continued ...

[12] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[13] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
trans 1,4-Dichloro-2-butene		61.0	µg/L	1	50.0	<0.407	122	40 - 128	4	20
1,1-Dichloroethene	[14]	58.0	µg/L	1	50.0	<0.326	116	83.4 - 114	3	20
Methylene chloride		59.1	µg/L	1	50.0	<0.375	118	62.6 - 119	3	20
MTBE		57.7	µg/L	1	50.0	<0.352	115	70 - 132	5	20
trans-1,2-Dichloroethene	[15]	57.6	µg/L	1	50.0	<0.322	115	83.3 - 114	4	20
1,1-Dichloroethane		55.7	µg/L	1	50.0	<0.324	111	87.8 - 113	3	20
cis-1,2-Dichloroethene	[16]	59.5	µg/L	1	50.0	<0.331	119	83.8 - 115	4	20
2,2-Dichloropropane		59.1	µg/L	1	50.0	<0.440	118	37.9 - 136	2	20
1,2-Dichloroethane (EDC)		54.5	µg/L	1	50.0	<0.327	109	82.6 - 122	3	20
Chloroform		55.6	µg/L	1	50.0	<0.345	111	84.8 - 116	3	20
1,1,1-Trichloroethane		55.5	µg/L	1	50.0	<0.303	111	72.9 - 123	4	20
1,1-Dichloropropene		52.7	µg/L	1	50.0	<0.356	105	85.9 - 119	2	20
Benzene		55.2	µg/L	1	50.0	<0.356	110	83.5 - 115	3	20
Carbon Tetrachloride		51.6	µg/L	1	50.0	<0.342	103	62.7 - 144	2	20
1,2-Dichloropropane		55.0	µg/L	1	50.0	<0.366	110	88.8 - 114	3	20
Trichloroethene (TCE)		53.2	µg/L	1	50.0	<0.434	106	91.3 - 111	4	20
Dibromomethane (methylene bromide)		55.3	µg/L	1	50.0	<0.406	111	84.2 - 118	3	20
Bromodichloromethane		54.1	µg/L	1	50.0	<0.325	108	79.5 - 127	2	20
2-Chloroethyl vinyl ether		55.9	µg/L	1	50.0	<0.366	112	75.1 - 128	3	20
cis-1,3-Dichloropropene		56.6	µg/L	1	50.0	<0.387	113	83.2 - 119	3	20
trans-1,3-Dichloropropene		55.9	µg/L	1	50.0	<0.367	112	77.4 - 126	2	20
Toluene		52.0	µg/L	1	50.0	<0.366	104	82 - 110	4	20
1,1,2-Trichloroethane		55.2	µg/L	1	50.0	<0.397	110	77 - 123	3	20
1,3-Dichloropropane		52.7	µg/L	1	50.0	<0.355	105	81.1 - 124	3	20
Dibromochloromethane		53.4	µg/L	1	50.0	<0.315	107	79 - 129	3	20
1,2-Dibromoethane (EDB)		54.0	µg/L	1	50.0	<0.340	108	78.6 - 126	3	20
Tetrachloroethene (PCE)		50.2	µg/L	1	50.0	<0.355	100	36.7 - 173	2	20
Chlorobenzene		52.5	µg/L	1	50.0	<0.363	105	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane		52.0	µg/L	1	50.0	<0.338	104	80.5 - 125	4	20
Ethylbenzene		52.1	µg/L	1	50.0	<0.350	104	82.4 - 116	3	20
m,p-Xylene		102	µg/L	1	100	<0.752	102	80 - 119	3	20
Bromoform		55.0	µg/L	1	50.0	<0.275	110	75.8 - 132	4	20
Styrene		53.8	µg/L	1	50.0	<0.395	108	84.2 - 117	3	20
o-Xylene		51.6	µg/L	1	50.0	<0.375	103	82.1 - 119	3	20
1,1,2,2-Tetrachloroethane		56.3	µg/L	1	50.0	<0.283	113	69.7 - 124	4	20
2-Chlorotoluene		53.6	µg/L	1	50.0	<0.445	107	76.5 - 123	2	20
1,2,3-Trichloropropane		56.4	µg/L	1	50.0	<0.430	113	66.3 - 130	3	20
Isopropylbenzene		53.0	µg/L	1	50.0	<0.521	106	78.3 - 123	3	20
Bromobenzene		55.5	µg/L	1	50.0	<0.494	111	79.9 - 122	3	20
n-Propylbenzene		53.6	µg/L	1	50.0	<0.483	107	72.6 - 122	3	20
1,3,5-Trimethylbenzene		52.4	µg/L	1	50.0	<0.487	105	69.6 - 127	3	20
tert-Butylbenzene		52.7	µg/L	1	50.0	<0.496	105	64 - 129	2	20
1,2,4-Trimethylbenzene		53.4	µg/L	1	50.0	<0.532	107	71 - 123	3	20
1,4-Dichlorobenzene (para)		52.4	µg/L	1	50.0	<0.413	105	74 - 118	3	20
sec-Butylbenzene		54.7	µg/L	1	50.0	<0.449	109	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)		55.0	µg/L	1	50.0	<0.451	110	80.2 - 119	4	20
p-Isopropyltoluene		54.0	µg/L	1	50.0	<0.450	108	54.8 - 135	3	20

continued ...

[14] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[15] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[16] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Chlorotoluene		54.2	µg/L	1	50.0	<0.489	108	78.9 - 124	3	20
1,2-Dichlorobenzene (ortho)		54.6	µg/L	1	50.0	<0.438	109	80 - 120	4	20
n-Butylbenzene		56.4	µg/L	1	50.0	<0.461	113	51.1 - 136	4	20
1,2-Dibromo-3-chloropropane		53.4	µg/L	1	50.0	<0.532	107	38.2 - 151	6	20
1,2,3-Trichlorobenzene	[17]	82.1	µg/L	1	50.0	<0.288	164	25.4 - 158	19	20
1,2,4-Trichlorobenzene		56.8	µg/L	1	50.0	<0.273	114	38.2 - 140	12	20
Naphthalene		74.1	µg/L	1	50.0	<0.299	148	33.3 - 152	15	20
Hexachlorobutadiene		56.9	µg/L	1	50.0	<0.483	114	49.1 - 134	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.8	51.0	µg/L	1	50.0	102	102	82.4 - 115
Toluene-d8	48.5	48.8	µg/L	1	50.0	97	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.1	49.4	µg/L	1	50.0	98	99	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38437 | Date Analyzed: 2007-06-21 | Analyzed By: KB
Prep Batch: 33264 | QC Preparation: 2007-06-21 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.8	µg/L	1	50.0	<0.351	106	85.7 - 113
Dichlorodifluoromethane	40.5	µg/L	1	50.0	<0.306	81	60.3 - 134
Chloromethane (methyl chloride)	46.0	µg/L	1	50.0	<0.240	92	72 - 120
Vinyl Chloride	49.5	µg/L	1	50.0	<0.224	99	64.4 - 132
Bromomethane (methyl bromide)	47.4	µg/L	1	50.0	<0.325	95	65.9 - 133
Chloroethane	49.3	µg/L	1	50.0	<0.303	99	65.3 - 132
Trichlorofluoromethane	54.6	µg/L	1	50.0	<0.255	109	52.7 - 159
Acetone	48.4	µg/L	1	50.0	<1.86	97	10 - 185
Iodomethane (methyl iodide)	53.0	µg/L	1	50.0	<0.397	106	80.9 - 112
Carbon Disulfide	50.2	µg/L	1	50.0	<0.354	100	73.7 - 120
Acrylonitrile	56.4	µg/L	1	50.0	<0.306	113	75.8 - 121
2-Butanone (MEK)	53.3	µg/L	1	50.0	<0.670	107	43.7 - 117
4-Methyl-2-pentanone (MIBK)	54.3	µg/L	1	50.0	<0.463	109	69.3 - 120
2-Hexanone	53.4	µg/L	1	50.0	<0.303	107	35.6 - 138
trans 1,4-Dichloro-2-butene	47.4	µg/L	1	50.0	<0.407	95	40 - 128
1,1-Dichloroethene	55.8	µg/L	1	50.0	<0.326	112	83.4 - 114
Methylene chloride	55.8	µg/L	1	50.0	<0.375	112	62.6 - 119
MTBE	53.2	µg/L	1	50.0	<0.352	106	70 - 132
trans-1,2-Dichloroethene	55.5	µg/L	1	50.0	<0.322	111	83.3 - 114
1,1-Dichloroethane	52.4	µg/L	1	50.0	<0.324	105	81 - 124
cis-1,2-Dichloroethene	57.2	µg/L	1	50.0	<0.331	114	83.8 - 115
2,2-Dichloropropane	45.8	µg/L	1	50.0	<0.440	92	37.9 - 136
1,2-Dichloroethane (EDC)	48.4	µg/L	1	50.0	<0.327	97	67.8 - 131
Chloroform	51.1	µg/L	1	50.0	<0.345	102	75.1 - 125

continued ...

[17] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1,1-Trichloroethane	49.0	µg/L	1	50.0	<0.303	98	72.9 - 123
1,1-Dichloropropene	49.1	µg/L	1	50.0	<0.356	98	85.9 - 119
Benzene	53.4	µg/L	1	50.0	<0.356	107	83.5 - 115
Carbon Tetrachloride	46.2	µg/L	1	50.0	<0.342	92	62.7 - 144
1,2-Dichloropropane	51.8	µg/L	1	50.0	<0.366	104	88.8 - 114
Trichloroethene (TCE)	49.1	µg/L	1	50.0	<0.434	98	91.3 - 111
Dibromomethane (methylene bromide)	50.2	µg/L	1	50.0	<0.406	100	84.2 - 118
Bromodichloromethane	49.5	µg/L	1	50.0	<0.325	99	79.5 - 127
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.366	105	75.1 - 128
cis-1,3-Dichloropropene	50.9	µg/L	1	50.0	<0.387	102	83.2 - 119
trans-1,3-Dichloropropene	49.6	µg/L	1	50.0	<0.367	99	77.4 - 126
Toluene	48.1	µg/L	1	50.0	<0.366	96	82 - 110
1,1,2-Trichloroethane	51.9	µg/L	1	50.0	<0.397	104	77 - 123
1,3-Dichloropropane	49.6	µg/L	1	50.0	<0.355	99	81.1 - 124
Dibromochloromethane	48.2	µg/L	1	50.0	<0.315	96	79 - 129
1,2-Dibromoethane (EDB)	49.7	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	47.3	µg/L	1	50.0	<0.355	95	36.7 - 173
Chlorobenzene	48.5	µg/L	1	50.0	<0.363	97	87.9 - 109
1,1,1,2-Tetrachloroethane	46.9	µg/L	1	50.0	<0.338	94	80.5 - 125
Ethylbenzene	48.2	µg/L	1	50.0	<0.350	96	82.4 - 116
m,p-Xylene	93.9	µg/L	1	100	<0.752	94	80 - 119
Bromoform	49.2	µg/L	1	50.0	<0.275	98	75.8 - 132
Styrene	49.5	µg/L	1	50.0	<0.395	99	84.2 - 117
o-Xylene	47.3	µg/L	1	50.0	<0.375	95	82.1 - 119
1,1,2,2-Tetrachloroethane	53.1	µg/L	1	50.0	<0.283	106	69.7 - 124
2-Chlorotoluene	49.8	µg/L	1	50.0	<0.445	100	76.5 - 123
1,2,3-Trichloropropane	50.9	µg/L	1	50.0	<0.430	102	66.3 - 130
Isopropylbenzene	49.6	µg/L	1	50.0	<0.521	99	78.3 - 123
Bromobenzene	51.6	µg/L	1	50.0	<0.494	103	79.9 - 122
n-Propylbenzene	50.6	µg/L	1	50.0	<0.483	101	72.6 - 122
1,3,5-Trimethylbenzene	48.5	µg/L	1	50.0	<0.487	97	69.6 - 127
tert-Butylbenzene	48.8	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.532	99	71 - 123
1,4-Dichlorobenzene (para)	47.9	µg/L	1	50.0	<0.413	96	74 - 118
sec-Butylbenzene	50.4	µg/L	1	50.0	<0.449	101	59.8 - 129
1,3-Dichlorobenzene (meta)	50.4	µg/L	1	50.0	<0.451	101	80.2 - 119
p-Isopropyltoluene	48.6	µg/L	1	50.0	<0.450	97	54.8 - 135
4-Chlorotoluene	50.0	µg/L	1	50.0	<0.489	100	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.9	µg/L	1	50.0	<0.438	100	80 - 120
n-Butylbenzene	49.9	µg/L	1	50.0	<0.461	100	51.1 - 136
1,2-Dibromo-3-chloropropane	49.6	µg/L	1	50.0	<0.532	99	38.2 - 151
1,2,3-Trichlorobenzene	74.1	µg/L	1	50.0	<0.288	148	25.4 - 158
1,2,4-Trichlorobenzene	51.2	µg/L	1	50.0	<0.273	102	38.2 - 140
Naphthalene	67.2	µg/L	1	50.0	<0.299	134	33.3 - 152
Hexachlorobutadiene	45.7	µg/L	1	50.0	<0.483	91	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	55.5	µg/L	1	50.0	<0.351	111	85.7 - 113	5	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dichlorodifluoromethane	41.8	µg/L	1	50.0	<0.306	84	60.3 - 134	3	20
Chloromethane (methyl chloride)	46.8	µg/L	1	50.0	<0.240	94	72 - 120	2	20
Vinyl Chloride	50.6	µg/L	1	50.0	<0.224	101	64.4 - 132	2	20
Bromomethane (methyl bromide)	47.7	µg/L	1	50.0	<0.325	95	65.9 - 133	1	20
Chloroethane	49.8	µg/L	1	50.0	<0.303	100	65.3 - 132	1	20
Trichlorofluoromethane	55.2	µg/L	1	50.0	<0.255	110	52.7 - 159	1	20
Acetone	52.7	µg/L	1	50.0	<1.86	105	10 - 185	8	20
Iodomethane (methyl iodide)	54.6	µg/L	1	50.0	<0.397	109	80.9 - 112	3	20
Carbon Disulfide	51.7	µg/L	1	50.0	<0.354	103	73.7 - 120	3	20
Acrylonitrile	58.6	µg/L	1	50.0	<0.306	117	75.8 - 121	4	20
2-Butanone (MEK)	56.3	µg/L	1	50.0	<0.670	113	43.7 - 117	6	20
4-Methyl-2-pentanone (MIBK)	57.7	µg/L	1	50.0	<0.463	115	69.3 - 120	6	20
2-Hexanone	56.9	µg/L	1	50.0	<0.303	114	35.6 - 138	6	20
trans 1,4-Dichloro-2-butene	49.4	µg/L	1	50.0	<0.407	99	40 - 128	4	20
1,1-Dichloroethene [18]	57.8	µg/L	1	50.0	<0.326	116	83.4 - 114	4	20
Methylene chloride	57.3	µg/L	1	50.0	<0.375	115	62.6 - 119	3	20
MTBE	55.1	µg/L	1	50.0	<0.352	110	70 - 132	4	20
trans-1,2-Dichloroethene	56.4	µg/L	1	50.0	<0.322	113	83.3 - 114	2	20
1,1-Dichloroethane	54.2	µg/L	1	50.0	<0.324	108	81 - 124	3	20
cis-1,2-Dichloroethene [19]	58.2	µg/L	1	50.0	<0.331	116	83.8 - 115	2	20
2,2-Dichloropropane	46.4	µg/L	1	50.0	<0.440	93	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	50.0	µg/L	1	50.0	<0.327	100	67.8 - 131	3	20
Chloroform	52.7	µg/L	1	50.0	<0.345	105	75.1 - 125	3	20
1,1,1-Trichloroethane	51.1	µg/L	1	50.0	<0.303	102	72.9 - 123	4	20
1,1-Dichloropropene	50.4	µg/L	1	50.0	<0.356	101	85.9 - 119	3	20
Benzene	54.5	µg/L	1	50.0	<0.356	109	83.5 - 115	2	20
Carbon Tetrachloride	47.9	µg/L	1	50.0	<0.342	96	62.7 - 144	4	20
1,2-Dichloropropane	53.5	µg/L	1	50.0	<0.366	107	88.8 - 114	3	20
Trichloroethene (TCE)	50.6	µg/L	1	50.0	<0.434	101	91.3 - 111	3	20
Dibromomethane (methylene bromide)	52.6	µg/L	1	50.0	<0.406	105	84.2 - 118	5	20
Bromodichloromethane	50.5	µg/L	1	50.0	<0.325	101	79.5 - 127	2	20
2-Chloroethyl vinyl ether	54.3	µg/L	1	50.0	<0.366	109	75.1 - 128	3	20
cis-1,3-Dichloropropene	52.8	µg/L	1	50.0	<0.387	106	83.2 - 119	4	20
trans-1,3-Dichloropropene	51.2	µg/L	1	50.0	<0.367	102	77.4 - 126	3	20
Toluene	49.6	µg/L	1	50.0	<0.366	99	82 - 110	3	20
1,1,2-Trichloroethane	53.7	µg/L	1	50.0	<0.397	107	77 - 123	3	20
1,3-Dichloropropane	50.7	µg/L	1	50.0	<0.355	101	81.1 - 124	2	20
Dibromochloromethane	50.0	µg/L	1	50.0	<0.315	100	79 - 129	4	20
1,2-Dibromoethane (EDB)	51.6	µg/L	1	50.0	<0.340	103	78.6 - 126	4	20
Tetrachloroethene (PCE)	48.9	µg/L	1	50.0	<0.355	98	36.7 - 173	3	20
Chlorobenzene	49.9	µg/L	1	50.0	<0.363	100	87.9 - 109	3	20
1,1,1,2-Tetrachloroethane	48.2	µg/L	1	50.0	<0.338	96	80.5 - 125	3	20
Ethylbenzene	49.6	µg/L	1	50.0	<0.350	99	82.4 - 116	3	20
m,p-Xylene	96.8	µg/L	1	100	<0.752	97	80 - 119	3	20
Bromoform	51.8	µg/L	1	50.0	<0.275	104	75.8 - 132	5	20
Styrene	51.2	µg/L	1	50.0	<0.395	102	84.2 - 117	3	20
o-Xylene	49.3	µg/L	1	50.0	<0.375	99	82.1 - 119	4	20
1,1,2,2-Tetrachloroethane	55.6	µg/L	1	50.0	<0.283	111	69.7 - 124	5	20

continued ...

[18] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[19] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
2-Chlorotoluene		51.3	µg/L	1	50.0	<0.445	103	76.5 - 123	3	20
1,2,3-Trichloropropane		53.5	µg/L	1	50.0	<0.430	107	66.3 - 130	5	20
Isopropylbenzene		51.2	µg/L	1	50.0	<0.521	102	78.3 - 123	3	20
Bromobenzene		53.1	µg/L	1	50.0	<0.494	106	79.9 - 122	3	20
n-Propylbenzene		52.1	µg/L	1	50.0	<0.483	104	72.6 - 122	3	20
1,3,5-Trimethylbenzene		50.3	µg/L	1	50.0	<0.487	101	69.6 - 127	4	20
tert-Butylbenzene		50.6	µg/L	1	50.0	<0.496	101	64 - 129	4	20
1,2,4-Trimethylbenzene		50.6	µg/L	1	50.0	<0.532	101	71 - 123	2	20
1,4-Dichlorobenzene (para)		50.2	µg/L	1	50.0	<0.413	100	74 - 118	5	20
sec-Butylbenzene		52.0	µg/L	1	50.0	<0.449	104	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)		52.1	µg/L	1	50.0	<0.451	104	80.2 - 119	3	20
p-Isopropyltoluene		50.5	µg/L	1	50.0	<0.450	101	54.8 - 135	4	20
4-Chlorotoluene		51.7	µg/L	1	50.0	<0.489	103	78.9 - 124	3	20
1,2-Dichlorobenzene (ortho)		51.7	µg/L	1	50.0	<0.438	103	80 - 120	4	20
n-Butylbenzene		51.8	µg/L	1	50.0	<0.461	104	51.1 - 136	4	20
1,2-Dibromo-3-chloropropane		50.6	µg/L	1	50.0	<0.532	101	38.2 - 151	2	20
1,2,3-Trichlorobenzene	[20]	80.7	µg/L	1	50.0	<0.288	161	25.4 - 158	8	20
1,2,4-Trichlorobenzene		53.8	µg/L	1	50.0	<0.273	108	38.2 - 140	5	20
Naphthalene		70.8	µg/L	1	50.0	<0.299	142	33.3 - 152	5	20
Hexachlorobutadiene		48.1	µg/L	1	50.0	<0.483	96	49.1 - 134	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.8	51.5	µg/L	1	50.0	102	103	82.4 - 115
Toluene-d8	48.6	49.0	µg/L	1	50.0	97	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.0	48.8	µg/L	1	50.0	96	98	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38659 | Date Analyzed: 2007-06-28 | Analyzed By: JG
Prep Batch: 33464 | QC Preparation: 2007-06-28 | Prepared By: JG

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	[21]	58.3	µg/L	1	50.0	<0.351	117	85.7 - 113
Dichlorodifluoromethane		60.1	µg/L	1	50.0	<0.306	120	60.3 - 134
Chloromethane (methyl chloride)		59.1	µg/L	1	50.0	<0.240	118	72 - 120
Vinyl Chloride		60.8	µg/L	1	50.0	<0.224	122	64.4 - 132
Bromomethane (methyl bromide)		63.3	µg/L	1	50.0	<0.325	127	65.9 - 133
Chloroethane		60.7	µg/L	1	50.0	<0.303	121	65.3 - 132
Trichlorofluoromethane		58.9	µg/L	1	50.0	<0.255	118	52.7 - 159
Acetone		57.2	µg/L	1	50.0	<1.86	114	10 - 185
Iodomethane (methyl iodide)		54.8	µg/L	1	50.0	<0.397	110	80.9 - 112
Carbon Disulfide		57.8	µg/L	1	50.0	<0.354	116	73.7 - 120
Acrylonitrile		56.9	µg/L	1	50.0	<0.306	114	75.8 - 121

continued ...

[20] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[21] Spike recovery out of control. Concentration biased high. •

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Butanone (MEK)		58.4	µg/L	1	50.0	<0.670	117	43.7 - 117
4-Methyl-2-pentanone (MIBK)		55.6	µg/L	1	50.0	<0.463	111	69.3 - 120
2-Hexanone		62.5	µg/L	1	50.0	<0.303	125	35.6 - 138
trans 1,4-Dichloro-2-butene		57.8	µg/L	1	50.0	<0.407	116	40 - 128
1,1-Dichloroethene		57.1	µg/L	1	50.0	<0.326	114	83.4 - 114
Methylene chloride		58.5	µg/L	1	50.0	<0.375	117	62.6 - 119
MTBE		56.7	µg/L	1	50.0	<0.352	113	70 - 132
trans-1,2-Dichloroethene	[22]	58.0	µg/L	1	50.0	<0.322	116	83.3 - 114
1,1-Dichloroethane	[23]	59.1	µg/L	1	50.0	<0.324	118	81 - 124
cis-1,2-Dichloroethene	[24]	58.2	µg/L	1	50.0	<0.331	116	83.8 - 115
2,2-Dichloropropane		49.3	µg/L	1	50.0	<0.440	99	37.9 - 136
1,2-Dichloroethane (EDC)		60.0	µg/L	1	50.0	<0.327	120	67.8 - 131
Chloroform	[25]	58.7	µg/L	1	50.0	<0.345	117	75.1 - 125
1,1,1-Trichloroethane		57.2	µg/L	1	50.0	<0.303	114	72.9 - 123
1,1-Dichloropropene		55.7	µg/L	1	50.0	<0.356	111	85.9 - 119
Benzene		54.5	µg/L	1	50.0	<0.356	109	83.5 - 115
Carbon Tetrachloride		53.8	µg/L	1	50.0	<0.342	108	62.7 - 144
1,2-Dichloropropane		54.9	µg/L	1	50.0	<0.366	110	88.8 - 114
Trichloroethene (TCE)		52.8	µg/L	1	50.0	<0.434	106	91.3 - 111
Dibromomethane (methylene bromide)		53.9	µg/L	1	50.0	<0.406	108	84.2 - 118
Bromodichloromethane		55.4	µg/L	1	50.0	<0.325	111	79.5 - 127
2-Chloroethyl vinyl ether		56.9	µg/L	1	50.0	<0.366	114	75.1 - 128
cis-1,3-Dichloropropene		56.6	µg/L	1	50.0	<0.387	113	83.2 - 119
trans-1,3-Dichloropropene		57.3	µg/L	1	50.0	<0.367	115	77.4 - 126
Toluene		52.6	µg/L	1	50.0	<0.366	105	82 - 110
1,1,2-Trichloroethane		53.2	µg/L	1	50.0	<0.397	106	77 - 123
1,3-Dichloropropane		54.6	µg/L	1	50.0	<0.355	109	81.1 - 124
Dibromochloromethane		53.6	µg/L	1	50.0	<0.315	107	79 - 129
1,2-Dibromoethane (EDB)		51.8	µg/L	1	50.0	<0.340	104	78.6 - 126
Tetrachloroethene (PCE)		48.0	µg/L	1	50.0	<0.355	96	36.7 - 173
Chlorobenzene		52.1	µg/L	1	50.0	<0.363	104	87.9 - 109
1,1,1,2-Tetrachloroethane		52.0	µg/L	1	50.0	<0.338	104	80.5 - 125
Ethylbenzene		53.6	µg/L	1	50.0	<0.350	107	82.4 - 116
m,p-Xylene		106	µg/L	1	100	<0.752	106	80 - 119
Bromoform		52.7	µg/L	1	50.0	<0.275	105	75.8 - 132
Styrene		54.0	µg/L	1	50.0	<0.395	108	84.2 - 117
o-Xylene		53.3	µg/L	1	50.0	<0.375	107	82.1 - 119
1,1,2,2-Tetrachloroethane		54.9	µg/L	1	50.0	<0.283	110	69.7 - 124
2-Chlorotoluene		51.7	µg/L	1	50.0	<0.445	103	76.5 - 123
1,2,3-Trichloropropane		52.6	µg/L	1	50.0	<0.430	105	66.3 - 130
Isopropylbenzene		50.6	µg/L	1	50.0	<0.521	101	78.3 - 123
Bromobenzene		52.4	µg/L	1	50.0	<0.494	105	79.9 - 122
n-Propylbenzene		53.4	µg/L	1	50.0	<0.483	107	72.6 - 122
1,3,5-Trimethylbenzene		51.6	µg/L	1	50.0	<0.487	103	69.6 - 127
tert-Butylbenzene		51.9	µg/L	1	50.0	<0.496	104	64 - 129
1,2,4-Trimethylbenzene		51.2	µg/L	1	50.0	<0.532	102	71 - 123

continued ...

[22] Spike recovery out of control. Concentration biased high. •
[23] Spike recovery out of control. Concentration biased high. •
[24] Spike recovery out of control. Concentration biased high. •
[25] Spike recovery out of control. Concentration biased high. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,4-Dichlorobenzene (para)	49.1	µg/L	1	50.0	<0.413	98	74 - 118
sec-Butylbenzene	52.5	µg/L	1	50.0	<0.449	105	59.8 - 129
1,3-Dichlorobenzene (meta)	50.7	µg/L	1	50.0	<0.451	101	80.2 - 119
p-Isopropyltoluene	52.6	µg/L	1	50.0	<0.450	105	54.8 - 135
4-Chlorotoluene	51.3	µg/L	1	50.0	<0.489	103	78.9 - 124
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene	53.0	µg/L	1	50.0	<0.461	106	51.1 - 136
1,2-Dibromo-3-chloropropane	52.1	µg/L	1	50.0	<0.532	104	38.2 - 151
1,2,3-Trichlorobenzene	58.8	µg/L	1	50.0	<0.288	118	25.4 - 158
1,2,4-Trichlorobenzene	51.9	µg/L	1	50.0	<0.273	104	38.2 - 140
Naphthalene	60.5	µg/L	1	50.0	<0.299	121	33.3 - 152
Hexachlorobutadiene	49.5	µg/L	1	50.0	<0.483	99	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	56.4	µg/L	1	50.0	<0.351	113	85.7 - 113	3	20
Dichlorodifluoromethane	57.3	µg/L	1	50.0	<0.306	115	60.3 - 134	5	20
Chloromethane (methyl chloride)	56.5	µg/L	1	50.0	<0.240	113	72 - 120	4	20
Vinyl Chloride	58.2	µg/L	1	50.0	<0.224	116	64.4 - 132	4	20
Bromomethane (methyl bromide)	59.2	µg/L	1	50.0	<0.325	118	65.9 - 133	7	20
Chloroethane	58.1	µg/L	1	50.0	<0.303	116	65.3 - 132	4	20
Trichlorofluoromethane	57.8	µg/L	1	50.0	<0.255	116	52.7 - 159	2	20
Acetone	55.4	µg/L	1	50.0	<1.86	111	10 - 185	3	20
Iodomethane (methyl iodide)	53.1	µg/L	1	50.0	<0.397	106	80.9 - 112	3	20
Carbon Disulfide	56.3	µg/L	1	50.0	<0.354	113	73.7 - 120	3	20
Acrylonitrile	53.6	µg/L	1	50.0	<0.306	107	75.8 - 121	6	20
2-Butanone (MEK)	54.5	µg/L	1	50.0	<0.670	109	43.7 - 117	7	20
4-Methyl-2-pentanone (MIBK)	54.4	µg/L	1	50.0	<0.463	109	69.3 - 120	2	20
2-Hexanone	58.7	µg/L	1	50.0	<0.303	117	35.6 - 138	6	20
trans 1,4-Dichloro-2-butene	54.3	µg/L	1	50.0	<0.407	109	40 - 128	6	20
1,1-Dichloroethene	55.6	µg/L	1	50.0	<0.326	111	83.4 - 114	3	20
Methylene chloride	56.6	µg/L	1	50.0	<0.375	113	62.6 - 119	3	20
MTBE	55.3	µg/L	1	50.0	<0.352	111	70 - 132	2	20
trans-1,2-Dichloroethene	55.3	µg/L	1	50.0	<0.322	111	83.3 - 114	5	20
1,1-Dichloroethane	56.4	µg/L	1	50.0	<0.324	113	81 - 124	5	20
cis-1,2-Dichloroethene	55.9	µg/L	1	50.0	<0.331	112	83.8 - 115	4	20
2,2-Dichloropropane	46.6	µg/L	1	50.0	<0.440	93	37.9 - 136	6	20
1,2-Dichloroethane (EDC)	57.1	µg/L	1	50.0	<0.327	114	67.8 - 131	5	20
Chloroform	56.0	µg/L	1	50.0	<0.345	112	75.1 - 125	5	20
1,1,1-Trichloroethane	55.0	µg/L	1	50.0	<0.303	110	72.9 - 123	4	20
1,1-Dichloropropene	53.7	µg/L	1	50.0	<0.356	107	85.9 - 119	4	20
Benzene	53.1	µg/L	1	50.0	<0.356	106	83.5 - 115	3	20
Carbon Tetrachloride	52.6	µg/L	1	50.0	<0.342	105	62.7 - 144	2	20
1,2-Dichloropropane	53.4	µg/L	1	50.0	<0.366	107	88.8 - 114	3	20
Trichloroethene (TCE)	51.2	µg/L	1	50.0	<0.434	102	91.3 - 111	3	20
Dibromomethane (methylene bromide)	52.7	µg/L	1	50.0	<0.406	105	84.2 - 118	2	20
Bromodichloromethane	53.8	µg/L	1	50.0	<0.325	108	79.5 - 127	3	20
2-Chloroethyl vinyl ether	55.2	µg/L	1	50.0	<0.366	110	75.1 - 128	3	20
cis-1,3-Dichloropropene	54.0	µg/L	1	50.0	<0.387	108	83.2 - 119	5	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
trans-1,3-Dichloropropene	55.1	µg/L	1	50.0	<0.367	110	77.4 - 126	4	20
Toluene	50.6	µg/L	1	50.0	<0.366	101	82 - 110	4	20
1,1,2-Trichloroethane	51.6	µg/L	1	50.0	<0.397	103	77 - 123	3	20
1,3-Dichloropropane	52.8	µg/L	1	50.0	<0.355	106	81.1 - 124	3	20
Dibromochloromethane	52.2	µg/L	1	50.0	<0.315	104	79 - 129	3	20
1,2-Dibromoethane (EDB)	50.8	µg/L	1	50.0	<0.340	102	78.6 - 126	2	20
Tetrachloroethene (PCE)	47.4	µg/L	1	50.0	<0.355	95	36.7 - 173	1	20
Chlorobenzene	50.7	µg/L	1	50.0	<0.363	101	87.9 - 109	3	20
1,1,1,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.338	101	80.5 - 125	3	20
Ethylbenzene	51.6	µg/L	1	50.0	<0.350	103	82.4 - 116	4	20
m,p-Xylene	103	µg/L	1	100	<0.752	103	80 - 119	3	20
Bromoform	51.9	µg/L	1	50.0	<0.275	104	75.8 - 132	2	20
Styrene	52.4	µg/L	1	50.0	<0.395	105	84.2 - 117	3	20
o-Xylene	51.8	µg/L	1	50.0	<0.375	104	82.1 - 119	3	20
1,1,2,2-Tetrachloroethane	53.0	µg/L	1	50.0	<0.283	106	69.7 - 124	4	20
2-Chlorotoluene	50.1	µg/L	1	50.0	<0.445	100	76.5 - 123	3	20
1,2,3-Trichloropropane	50.2	µg/L	1	50.0	<0.430	100	66.3 - 130	5	20
Isopropylbenzene	49.1	µg/L	1	50.0	<0.521	98	78.3 - 123	3	20
Bromobenzene	50.4	µg/L	1	50.0	<0.494	101	79.9 - 122	4	20
n-Propylbenzene	51.2	µg/L	1	50.0	<0.483	102	72.6 - 122	4	20
1,3,5-Trimethylbenzene	49.9	µg/L	1	50.0	<0.487	100	69.6 - 127	3	20
tert-Butylbenzene	50.8	µg/L	1	50.0	<0.496	102	64 - 129	2	20
1,2,4-Trimethylbenzene	49.2	µg/L	1	50.0	<0.532	98	71 - 123	4	20
1,4-Dichlorobenzene (para)	47.6	µg/L	1	50.0	<0.413	95	74 - 118	3	20
sec-Butylbenzene	50.7	µg/L	1	50.0	<0.449	101	59.8 - 129	4	20
1,3-Dichlorobenzene (meta)	48.9	µg/L	1	50.0	<0.451	98	80.2 - 119	4	20
p-Isopropyltoluene	50.4	µg/L	1	50.0	<0.450	101	54.8 - 135	4	20
4-Chlorotoluene	49.5	µg/L	1	50.0	<0.489	99	78.9 - 124	4	20
1,2-Dichlorobenzene (ortho)	49.9	µg/L	1	50.0	<0.438	100	80 - 120	3	20
n-Butylbenzene	51.6	µg/L	1	50.0	<0.461	103	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	50.7	µg/L	1	50.0	<0.532	101	38.2 - 151	3	20
1,2,3-Trichlorobenzene	62.9	µg/L	1	50.0	<0.288	126	25.4 - 158	7	20
1,2,4-Trichlorobenzene	52.4	µg/L	1	50.0	<0.273	105	38.2 - 140	1	20
Naphthalene	61.5	µg/L	1	50.0	<0.299	123	33.3 - 152	2	20
Hexachlorobutadiene	49.6	µg/L	1	50.0	<0.483	99	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane [26]	57.9	55.9	µg/L	1	50.0	116	112	82.4 - 115
Toluene-d8	51.4	51.0	µg/L	1	50.0	103	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.7	49.1	µg/L	1	50.0	99	98	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch:	38775	Date Analyzed:	2007-07-03	Analyzed By:	JG
Prep Batch:	33555	QC Preparation:	2007-07-03	Prepared By:	JG

[26] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.351	104	85.7 - 113
Dichlorodifluoromethane	51.0	µg/L	1	50.0	<0.306	102	60.3 - 134
Chloromethane (methyl chloride)	52.6	µg/L	1	50.0	<0.240	105	72 - 120
Vinyl Chloride	52.1	µg/L	1	50.0	<0.224	104	64.4 - 132
Bromomethane (methyl bromide)	55.7	µg/L	1	50.0	<0.325	111	65.9 - 133
Chloroethane	53.4	µg/L	1	50.0	<0.303	107	65.3 - 132
Trichlorofluoromethane	53.9	µg/L	1	50.0	<0.255	108	52.7 - 159
Acetone	52.8	µg/L	1	50.0	<1.86	106	10 - 185
Iodomethane (methyl iodide)	52.0	µg/L	1	50.0	<0.397	104	80.9 - 112
Carbon Disulfide	53.1	µg/L	1	50.0	<0.354	106	73.7 - 120
Acrylonitrile	54.4	µg/L	1	50.0	<0.306	109	75.8 - 121
2-Butanone (MEK)	52.3	µg/L	1	50.0	<0.670	105	43.7 - 117
4-Methyl-2-pentanone (MIBK)	55.6	µg/L	1	50.0	<0.463	111	69.3 - 120
2-Hexanone	59.2	µg/L	1	50.0	<0.303	118	35.6 - 138
trans 1,4-Dichloro-2-butene	55.9	µg/L	1	50.0	<0.407	112	40 - 128
1,1-Dichloroethene	51.0	µg/L	1	50.0	<0.326	102	83.4 - 114
Methylene chloride	48.6	µg/L	1	50.0	<0.375	97	62.6 - 119
MTBE	54.7	µg/L	1	50.0	<0.352	109	70 - 132
trans-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.322	102	83.3 - 114
1,1-Dichloroethane	53.0	µg/L	1	50.0	<0.324	106	87.8 - 113
cis-1,2-Dichloroethene	52.1	µg/L	1	50.0	<0.331	104	83.8 - 115
2,2-Dichloropropane	46.9	µg/L	1	50.0	<0.440	94	37.9 - 136
1,2-Dichloroethane (EDC)	52.9	µg/L	1	50.0	<0.327	106	82.6 - 122
Chloroform	52.6	µg/L	1	50.0	<0.345	105	84.8 - 116
1,1,1-Trichloroethane	52.6	µg/L	1	50.0	<0.303	105	72.9 - 123
1,1-Dichloropropene	52.2	µg/L	1	50.0	<0.356	104	85.9 - 119
Benzene	51.1	µg/L	1	50.0	<0.356	102	83.5 - 115
Carbon Tetrachloride	54.4	µg/L	1	50.0	<0.342	109	62.7 - 144
1,2-Dichloropropane	52.6	µg/L	1	50.0	<0.366	105	88.8 - 114
Trichloroethene (TCE)	51.2	µg/L	1	50.0	<0.434	102	91.3 - 111
Dibromomethane (methylene bromide)	51.8	µg/L	1	50.0	<0.406	104	84.2 - 118
Bromodichloromethane	54.8	µg/L	1	50.0	<0.325	110	79.5 - 127
2-Chloroethyl vinyl ether	52.2	µg/L	1	50.0	<0.366	104	75.1 - 128
cis-1,3-Dichloropropene	54.7	µg/L	1	50.0	<0.387	109	83.2 - 119
trans-1,3-Dichloropropene	54.8	µg/L	1	50.0	<0.367	110	77.4 - 126
Toluene	50.5	µg/L	1	50.0	<0.366	101	82 - 110
1,1,2-Trichloroethane	51.9	µg/L	1	50.0	<0.397	104	77 - 123
1,3-Dichloropropane	52.6	µg/L	1	50.0	<0.355	105	81.1 - 124
Dibromochloromethane	57.0	µg/L	1	50.0	<0.315	114	79 - 129
1,2-Dibromoethane (EDB)	53.4	µg/L	1	50.0	<0.340	107	78.6 - 126
Tetrachloroethene (PCE)	50.4	µg/L	1	50.0	<0.355	101	36.7 - 173
Chlorobenzene	49.6	µg/L	1	50.0	<0.363	99	87.9 - 109
1,1,1,2-Tetrachloroethane	54.5	µg/L	1	50.0	<0.338	109	80.5 - 125
Ethylbenzene	52.1	µg/L	1	50.0	<0.350	104	82.4 - 116
m,p-Xylene	104	µg/L	1	100	<0.752	104	80 - 119
Bromoform	60.8	µg/L	1	50.0	<0.275	122	75.8 - 132
Styrene	55.8	µg/L	1	50.0	<0.395	112	84.2 - 117
o-Xylene	53.3	µg/L	1	50.0	<0.375	107	82.1 - 119
1,1,2,2-Tetrachloroethane	56.0	µg/L	1	50.0	<0.283	112	69.7 - 124
2-Chlorotoluene	50.8	µg/L	1	50.0	<0.445	102	76.5 - 123
1,2,3-Trichloropropane	54.8	µg/L	1	50.0	<0.430	110	66.3 - 130

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene	52.0	µg/L	1	50.0	<0.521	104	78.3 - 123
Bromobenzene	50.6	µg/L	1	50.0	<0.494	101	79.9 - 122
n-Propylbenzene	51.0	µg/L	1	50.0	<0.483	102	72.6 - 122
1,3,5-Trimethylbenzene	51.5	µg/L	1	50.0	<0.487	103	69.6 - 127
tert-Butylbenzene	52.0	µg/L	1	50.0	<0.496	104	64 - 129
1,2,4-Trimethylbenzene	52.7	µg/L	1	50.0	<0.532	105	71 - 123
1,4-Dichlorobenzene (para)	49.7	µg/L	1	50.0	<0.413	99	74 - 118
sec-Butylbenzene	52.0	µg/L	1	50.0	<0.449	104	59.8 - 129
1,3-Dichlorobenzene (meta)	50.9	µg/L	1	50.0	<0.451	102	80.2 - 119
p-Isopropyltoluene	53.3	µg/L	1	50.0	<0.450	107	54.8 - 135
4-Chlorotoluene	51.0	µg/L	1	50.0	<0.489	102	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.0	µg/L	1	50.0	<0.438	104	80 - 120
n-Butylbenzene	53.6	µg/L	1	50.0	<0.461	107	51.1 - 136
1,2-Dibromo-3-chloropropane	55.8	µg/L	1	50.0	<0.532	112	38.2 - 151
1,2,3-Trichlorobenzene	70.8	µg/L	1	50.0	<0.288	142	25.4 - 158
1,2,4-Trichlorobenzene	60.9	µg/L	1	50.0	<0.273	122	38.2 - 140
Naphthalene [27]	79.6	µg/L	1	50.0	<0.299	159	33.3 - 152
Hexachlorobutadiene	52.8	µg/L	1	50.0	<0.483	106	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.5	µg/L	1	50.0	<0.351	101	85.7 - 113	2	20
Dichlorodifluoromethane	50.1	µg/L	1	50.0	<0.306	100	60.3 - 134	2	20
Chloromethane (methyl chloride)	51.3	µg/L	1	50.0	<0.240	103	72 - 120	2	20
Vinyl Chloride	50.8	µg/L	1	50.0	<0.224	102	64.4 - 132	2	20
Bromomethane (methyl bromide)	54.2	µg/L	1	50.0	<0.325	108	65.9 - 133	3	20
Chloroethane	51.4	µg/L	1	50.0	<0.303	103	65.3 - 132	4	20
Trichlorofluoromethane	53.0	µg/L	1	50.0	<0.255	106	52.7 - 159	2	20
Acetone	50.9	µg/L	1	50.0	<1.86	102	10 - 185	4	20
Iodomethane (methyl iodide)	49.7	µg/L	1	50.0	<0.397	99	80.9 - 112	4	20
Carbon Disulfide	51.3	µg/L	1	50.0	<0.354	103	73.7 - 120	3	20
Acrylonitrile	52.0	µg/L	1	50.0	<0.306	104	75.8 - 121	4	20
2-Butanone (MEK)	50.6	µg/L	1	50.0	<0.670	101	43.7 - 117	3	20
4-Methyl-2-pentanone (MIBK)	53.1	µg/L	1	50.0	<0.463	106	69.3 - 120	5	20
2-Hexanone	55.9	µg/L	1	50.0	<0.303	112	35.6 - 138	6	20
trans 1,4-Dichloro-2-butene	51.7	µg/L	1	50.0	<0.407	103	40 - 128	8	20
1,1-Dichloroethene	49.4	µg/L	1	50.0	<0.326	99	83.4 - 114	3	20
Methylene chloride	47.3	µg/L	1	50.0	<0.375	95	62.6 - 119	3	20
MTBE	52.4	µg/L	1	50.0	<0.352	105	70 - 132	4	20
trans-1,2-Dichloroethene	49.5	µg/L	1	50.0	<0.322	99	83.3 - 114	3	20
1,1-Dichloroethane	51.4	µg/L	1	50.0	<0.324	103	87.8 - 113	3	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.331	102	83.8 - 115	2	20
2,2-Dichloropropane	44.8	µg/L	1	50.0	<0.440	90	37.9 - 136	5	20
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.327	103	82.6 - 122	2	20
Chloroform	51.2	µg/L	1	50.0	<0.345	102	84.8 - 116	3	20
1,1,1-Trichloroethane	50.8	µg/L	1	50.0	<0.303	102	72.9 - 123	4	20
1,1-Dichloropropene	50.8	µg/L	1	50.0	<0.356	102	85.9 - 119	3	20
Benzene	49.8	µg/L	1	50.0	<0.356	100	83.5 - 115	3	20

continued ...

[27] Spike recovery out of control limits. Concentration biased high.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Carbon Tetrachloride	52.6	µg/L	1	50.0	<0.342	105	62.7 - 144	3	20
1,2-Dichloropropane	51.1	µg/L	1	50.0	<0.366	102	88.8 - 114	3	20
Trichloroethene (TCE)	50.0	µg/L	1	50.0	<0.434	100	91.3 - 111	2	20
Dibromomethane (methylene bromide)	50.2	µg/L	1	50.0	<0.406	100	84.2 - 118	3	20
Bromodichloromethane	53.2	µg/L	1	50.0	<0.325	106	79.5 - 127	3	20
2-Chloroethyl vinyl ether	50.8	µg/L	1	50.0	<0.366	102	75.1 - 128	3	20
cis-1,3-Dichloropropene	52.6	µg/L	1	50.0	<0.387	105	83.2 - 119	4	20
trans-1,3-Dichloropropene	52.9	µg/L	1	50.0	<0.367	106	77.4 - 126	4	20
Toluene	48.9	µg/L	1	50.0	<0.366	98	82 - 110	3	20
1,1,2-Trichloroethane	50.8	µg/L	1	50.0	<0.397	102	77 - 123	2	20
1,3-Dichloropropane	51.2	µg/L	1	50.0	<0.355	102	81.1 - 124	3	20
Dibromochloromethane	55.7	µg/L	1	50.0	<0.315	111	79 - 129	2	20
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.340	103	78.6 - 126	4	20
Tetrachloroethene (PCE)	49.7	µg/L	1	50.0	<0.355	99	36.7 - 173	1	20
Chlorobenzene	48.4	µg/L	1	50.0	<0.363	97	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	52.9	µg/L	1	50.0	<0.338	106	80.5 - 125	3	20
Ethylbenzene	50.6	µg/L	1	50.0	<0.350	101	82.4 - 116	3	20
m,p-Xylene	102	µg/L	1	100	<0.752	102	80 - 119	2	20
Bromoform	58.9	µg/L	1	50.0	<0.275	118	75.8 - 132	3	20
Styrene	54.5	µg/L	1	50.0	<0.395	109	84.2 - 117	2	20
o-Xylene	52.0	µg/L	1	50.0	<0.375	104	82.1 - 119	2	20
1,1,2,2-Tetrachloroethane	53.8	µg/L	1	50.0	<0.283	108	69.7 - 124	4	20
2-Chlorotoluene	50.2	µg/L	1	50.0	<0.445	100	76.5 - 123	1	20
1,2,3-Trichloropropane	53.2	µg/L	1	50.0	<0.430	106	66.3 - 130	3	20
Isopropylbenzene	51.1	µg/L	1	50.0	<0.521	102	78.3 - 123	2	20
Bromobenzene	49.6	µg/L	1	50.0	<0.494	99	79.9 - 122	2	20
n-Propylbenzene	50.2	µg/L	1	50.0	<0.483	100	72.6 - 122	2	20
1,3,5-Trimethylbenzene	50.5	µg/L	1	50.0	<0.487	101	69.6 - 127	2	20
tert-Butylbenzene	51.4	µg/L	1	50.0	<0.496	103	64 - 129	1	20
1,2,4-Trimethylbenzene	51.7	µg/L	1	50.0	<0.532	103	71 - 123	2	20
1,4-Dichlorobenzene (para)	48.6	µg/L	1	50.0	<0.413	97	74 - 118	2	20
sec-Butylbenzene	50.8	µg/L	1	50.0	<0.449	102	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	50.0	µg/L	1	50.0	<0.451	100	80.2 - 119	2	20
p-Isopropyltoluene	52.1	µg/L	1	50.0	<0.450	104	54.8 - 135	2	20
4-Chlorotoluene	50.2	µg/L	1	50.0	<0.489	100	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	51.3	µg/L	1	50.0	<0.438	103	80 - 120	1	20
n-Butylbenzene	52.4	µg/L	1	50.0	<0.461	105	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane	56.2	µg/L	1	50.0	<0.532	112	38.2 - 151	1	20
1,2,3-Trichlorobenzene	72.1	µg/L	1	50.0	<0.288	144	25.4 - 158	2	20
1,2,4-Trichlorobenzene	60.7	µg/L	1	50.0	<0.273	121	38.2 - 140	0	20
Naphthalene [28]	84.2	µg/L	1	50.0	<0.299	168	33.3 - 152	6	20
Hexachlorobutadiene	52.0	µg/L	1	50.0	<0.483	104	49.1 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	52.4	50.6	µg/L	1	50.0	105	101	82.4 - 115
Toluene-d8	50.6	49.7	µg/L	1	50.0	101	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)	51.7	50.3	µg/L	1	50.0	103	101	84.6 - 114

[28] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Laboratory Control Spike (LCS-1)

QC Batch: 38872 Date Analyzed: 2007-07-06 Analyzed By: JG
Prep Batch: 33645 QC Preparation: 2007-07-06 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	50.0	µg/L	1	50.0	<0.351	100	85.7 - 113
Dichlorodifluoromethane	51.5	µg/L	1	50.0	<0.306	103	60.3 - 134
Chloromethane (methyl chloride)	52.1	µg/L	1	50.0	<0.240	104	72 - 120
Vinyl Chloride	52.5	µg/L	1	50.0	<0.224	105	64.4 - 132
Bromomethane (methyl bromide)	53.7	µg/L	1	50.0	<0.325	107	65.9 - 133
Chloroethane	51.8	µg/L	1	50.0	<0.303	104	65.3 - 132
Trichlorofluoromethane	54.3	µg/L	1	50.0	<0.255	109	52.7 - 159
Acetone	42.4	µg/L	1	50.0	<1.86	85	10 - 185
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.397	100	80.9 - 112
Carbon Disulfide	49.9	µg/L	1	50.0	<0.354	100	73.7 - 120
Acrylonitrile	53.1	µg/L	1	50.0	<0.306	106	75.8 - 121
2-Butanone (MEK)	50.3	µg/L	1	50.0	<0.670	101	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.3	µg/L	1	50.0	<0.463	101	69.3 - 120
2-Hexanone	54.6	µg/L	1	50.0	<0.303	109	35.6 - 138
trans 1,4-Dichloro-2-butene	54.0	µg/L	1	50.0	<0.407	108	40 - 128
1,1-Dichloroethene	49.3	µg/L	1	50.0	<0.326	99	83.4 - 114
Methylene chloride	48.0	µg/L	1	50.0	<0.375	96	62.6 - 119
MTBE	51.0	µg/L	1	50.0	<0.352	102	70 - 132
trans-1,2-Dichloroethene	49.4	µg/L	1	50.0	<0.322	99	83.3 - 114
1,1-Dichloroethane	49.4	µg/L	1	50.0	<0.324	99	87.8 - 113
cis-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.331	101	83.8 - 115
2,2-Dichloropropane	53.0	µg/L	1	50.0	<0.440	106	37.9 - 136
1,2-Dichloroethane (EDC)	49.2	µg/L	1	50.0	<0.327	98	82.6 - 122
Chloroform	50.0	µg/L	1	50.0	<0.345	100	84.8 - 116
1,1,1-Trichloroethane	49.0	µg/L	1	50.0	<0.303	98	72.9 - 123
1,1-Dichloropropene	49.3	µg/L	1	50.0	<0.356	99	85.9 - 119
Benzene	49.3	µg/L	1	50.0	<0.356	99	83.5 - 115
Carbon Tetrachloride	49.4	µg/L	1	50.0	<0.342	99	62.7 - 144
1,2-Dichloropropane	50.0	µg/L	1	50.0	<0.366	100	88.8 - 114
Trichloroethene (TCE)	48.5	µg/L	1	50.0	<0.434	97	91.3 - 111
Dibromomethane (methylene bromide)	49.2	µg/L	1	50.0	<0.406	98	84.2 - 118
Bromodichloromethane	49.6	µg/L	1	50.0	<0.325	99	79.5 - 127
2-Chloroethyl vinyl ether	50.7	µg/L	1	50.0	<0.366	101	75.1 - 128
cis-1,3-Dichloropropene	51.9	µg/L	1	50.0	<0.387	104	83.2 - 119
trans-1,3-Dichloropropene	52.8	µg/L	1	50.0	<0.367	106	77.4 - 126
Toluene	47.1	µg/L	1	50.0	<0.366	94	82 - 110
1,1,2-Trichloroethane	49.1	µg/L	1	50.0	<0.397	98	77 - 123
1,3-Dichloropropane	49.9	µg/L	1	50.0	<0.355	100	81.1 - 124
Dibromochloromethane	50.5	µg/L	1	50.0	<0.315	101	79 - 129
1,2-Dibromoethane (EDB)	50.5	µg/L	1	50.0	<0.340	101	78.6 - 126
Tetrachloroethene (PCE)	46.7	µg/L	1	50.0	<0.355	93	36.7 - 173
Chlorobenzene	47.2	µg/L	1	50.0	<0.363	94	87.9 - 109
1,1,1,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.338	100	80.5 - 125
Ethylbenzene	49.6	µg/L	1	50.0	<0.350	99	82.4 - 116
m,p-Xylene	100	µg/L	1	100	<0.752	100	80 - 119
Bromoform	52.7	µg/L	1	50.0	<0.275	105	75.8 - 132

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	53.2	µg/L	1	50.0	<0.395	106	84.2 - 117
o-Xylene	51.2	µg/L	1	50.0	<0.375	102	82.1 - 119
1,1,2,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.283	101	69.7 - 124
2-Chlorotoluene	48.1	µg/L	1	50.0	<0.445	96	76.5 - 123
1,2,3-Trichloropropane	48.4	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	48.2	µg/L	1	50.0	<0.521	96	78.3 - 123
Bromobenzene	47.7	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	48.1	µg/L	1	50.0	<0.483	96	72.6 - 122
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.487	98	69.6 - 127
tert-Butylbenzene	49.0	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.532	99	71 - 123
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene	50.0	µg/L	1	50.0	<0.449	100	59.8 - 129
1,3-Dichlorobenzene (meta)	48.7	µg/L	1	50.0	<0.451	97	80.2 - 119
p-Isopropyltoluene	50.8	µg/L	1	50.0	<0.450	102	54.8 - 135
4-Chlorotoluene	48.4	µg/L	1	50.0	<0.489	97	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.5	µg/L	1	50.0	<0.438	99	80 - 120
n-Butylbenzene	52.6	µg/L	1	50.0	<0.461	105	51.1 - 136
1,2-Dibromo-3-chloropropane	51.1	µg/L	1	50.0	<0.532	102	38.2 - 151
1,2,3-Trichlorobenzene	59.0	µg/L	1	50.0	<0.288	118	25.4 - 158
1,2,4-Trichlorobenzene	54.1	µg/L	1	50.0	<0.273	108	38.2 - 140
Naphthalene	61.2	µg/L	1	50.0	<0.299	122	33.3 - 152
Hexachlorobutadiene	50.1	µg/L	1	50.0	<0.483	100	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.1	µg/L	1	50.0	<0.351	104	85.7 - 113	4	20
Dichlorodifluoromethane	54.2	µg/L	1	50.0	<0.306	108	60.3 - 134	5	20
Chloromethane (methyl chloride)	53.7	µg/L	1	50.0	<0.240	107	72 - 120	3	20
Vinyl Chloride	54.2	µg/L	1	50.0	<0.224	108	64.4 - 132	3	20
Bromomethane (methyl bromide)	55.0	µg/L	1	50.0	<0.325	110	65.9 - 133	2	20
Chloroethane	53.1	µg/L	1	50.0	<0.303	106	65.3 - 132	2	20
Trichlorofluoromethane	57.0	µg/L	1	50.0	<0.255	114	52.7 - 159	5	20
Acetone	41.4	µg/L	1	50.0	<1.86	83	10 - 185	2	20
Iodomethane (methyl iodide)	52.7	µg/L	1	50.0	<0.397	105	80.9 - 112	6	20
Carbon Disulfide	52.1	µg/L	1	50.0	<0.354	104	73.7 - 120	4	20
Acrylonitrile	54.2	µg/L	1	50.0	<0.306	108	75.8 - 121	2	20
2-Butanone (MEK)	52.0	µg/L	1	50.0	<0.670	104	43.7 - 117	3	20
4-Methyl-2-pentanone (MIBK)	54.2	µg/L	1	50.0	<0.463	108	69.3 - 120	8	20
2-Hexanone	55.6	µg/L	1	50.0	<0.303	111	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	55.0	µg/L	1	50.0	<0.407	110	40 - 128	2	20
1,1-Dichloroethene	51.7	µg/L	1	50.0	<0.326	103	83.4 - 114	5	20
Methylene chloride	50.5	µg/L	1	50.0	<0.375	101	62.6 - 119	5	20
MTBE	53.2	µg/L	1	50.0	<0.352	106	70 - 132	4	20
trans-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.322	102	83.3 - 114	4	20
1,1-Dichloroethane	51.1	µg/L	1	50.0	<0.324	102	87.8 - 113	3	20
cis-1,2-Dichloroethene	51.9	µg/L	1	50.0	<0.331	104	83.8 - 115	3	20
2,2-Dichloropropane	54.2	µg/L	1	50.0	<0.440	108	37.9 - 136	2	20
1,2-Dichloroethane (EDC)	50.6	µg/L	1	50.0	<0.327	101	82.6 - 122	3	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloroform	51.3	µg/L	1	50.0	<0.345	103	84.8 - 116	3	20
1,1,1-Trichloroethane	51.3	µg/L	1	50.0	<0.303	103	72.9 - 123	5	20
1,1-Dichloropropene	51.6	µg/L	1	50.0	<0.356	103	85.9 - 119	5	20
Benzene	51.6	µg/L	1	50.0	<0.356	103	83.5 - 115	5	20
Carbon Tetrachloride	52.0	µg/L	1	50.0	<0.342	104	62.7 - 144	5	20
1,2-Dichloropropane	51.6	µg/L	1	50.0	<0.366	103	88.8 - 114	3	20
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.434	101	91.3 - 111	4	20
Dibromomethane (methylene bromide)	51.4	µg/L	1	50.0	<0.406	103	84.2 - 118	4	20
Bromodichloromethane	51.6	µg/L	1	50.0	<0.325	103	79.5 - 127	4	20
2-Chloroethyl vinyl ether	52.3	µg/L	1	50.0	<0.366	105	75.1 - 128	3	20
cis-1,3-Dichloropropene	54.1	µg/L	1	50.0	<0.387	108	83.2 - 119	4	20
trans-1,3-Dichloropropene	54.5	µg/L	1	50.0	<0.367	109	77.4 - 126	3	20
Toluene	48.9	µg/L	1	50.0	<0.366	98	82 - 110	4	20
1,1,2-Trichloroethane	51.1	µg/L	1	50.0	<0.397	102	77 - 123	4	20
1,3-Dichloropropane	52.0	µg/L	1	50.0	<0.355	104	81.1 - 124	4	20
Dibromochloromethane	53.1	µg/L	1	50.0	<0.315	106	79 - 129	5	20
1,2-Dibromoethane (EDB)	52.4	µg/L	1	50.0	<0.340	105	78.6 - 126	4	20
Tetrachloroethene (PCE)	49.6	µg/L	1	50.0	<0.355	99	36.7 - 173	6	20
Chlorobenzene	49.5	µg/L	1	50.0	<0.363	99	87.9 - 109	5	20
1,1,1,2-Tetrachloroethane	52.9	µg/L	1	50.0	<0.338	106	80.5 - 125	6	20
Ethylbenzene	51.7	µg/L	1	50.0	<0.350	103	82.4 - 116	4	20
m,p-Xylene	104	µg/L	1	100	<0.752	104	80 - 119	4	20
Bromoform	55.8	µg/L	1	50.0	<0.275	112	75.8 - 132	6	20
Styrene	54.8	µg/L	1	50.0	<0.395	110	84.2 - 117	3	20
o-Xylene	53.1	µg/L	1	50.0	<0.375	106	82.1 - 119	4	20
1,1,2,2-Tetrachloroethane	52.6	µg/L	1	50.0	<0.283	105	69.7 - 124	4	20
2-Chlorotoluene	50.6	µg/L	1	50.0	<0.445	101	76.5 - 123	5	20
1,2,3-Trichloropropane	50.6	µg/L	1	50.0	<0.430	101	66.3 - 130	4	20
Isopropylbenzene	51.1	µg/L	1	50.0	<0.521	102	78.3 - 123	6	20
Bromobenzene	49.9	µg/L	1	50.0	<0.494	100	79.9 - 122	4	20
n-Propylbenzene	50.1	µg/L	1	50.0	<0.483	100	72.6 - 122	4	20
1,3,5-Trimethylbenzene	51.5	µg/L	1	50.0	<0.487	103	69.6 - 127	5	20
tert-Butylbenzene	51.9	µg/L	1	50.0	<0.496	104	64 - 129	6	20
1,2,4-Trimethylbenzene	52.6	µg/L	1	50.0	<0.532	105	71 - 123	6	20
1,4-Dichlorobenzene (para)	49.6	µg/L	1	50.0	<0.413	99	74 - 118	5	20
sec-Butylbenzene	52.1	µg/L	1	50.0	<0.449	104	59.8 - 129	4	20
1,3-Dichlorobenzene (meta)	50.8	µg/L	1	50.0	<0.451	102	80.2 - 119	4	20
p-Isopropyltoluene	53.1	µg/L	1	50.0	<0.450	106	54.8 - 135	4	20
4-Chlorotoluene	50.9	µg/L	1	50.0	<0.489	102	78.9 - 124	5	20
1,2-Dichlorobenzene (ortho)	52.2	µg/L	1	50.0	<0.438	104	80 - 120	5	20
n-Butylbenzene	54.1	µg/L	1	50.0	<0.461	108	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	53.5	µg/L	1	50.0	<0.532	107	38.2 - 151	5	20
1,2,3-Trichlorobenzene	63.7	µg/L	1	50.0	<0.288	127	25.4 - 158	8	20
1,2,4-Trichlorobenzene	56.0	µg/L	1	50.0	<0.273	112	38.2 - 140	3	20
Naphthalene	64.7	µg/L	1	50.0	<0.299	129	33.3 - 152	6	20
Hexachlorobutadiene	50.1	µg/L	1	50.0	<0.483	100	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.1	51.7	µg/L	1	50.0	100	103	82.4 - 115
Toluene-d8	49.6	51.3	µg/L	1	50.0	99	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)	51.7	52.9	µg/L	1	50.0	103	106	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39093 Date Analyzed: 2007-07-14 Analyzed By: JG
Prep Batch: 33839 QC Preparation: 2007-07-14 Prepared By: JG

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		49.2	µg/L	1	50.0	<0.351	98	85.7 - 113
Dichlorodifluoromethane		46.3	µg/L	1	50.0	<0.306	93	60.3 - 134
Chloromethane (methyl chloride)		43.8	µg/L	1	50.0	<0.240	88	72 - 120
Vinyl Chloride		45.5	µg/L	1	50.0	<0.224	91	64.4 - 132
Bromomethane (methyl bromide)		46.2	µg/L	1	50.0	<0.325	92	65.9 - 133
Chloroethane		44.3	µg/L	1	50.0	<0.303	89	65.3 - 132
Trichlorofluoromethane		52.4	µg/L	1	50.0	<0.255	105	52.7 - 159
Acetone	[29]	189	µg/L	1	50.0	<1.86	378	10 - 185
Iodomethane (methyl iodide)		49.2	µg/L	1	50.0	<0.397	98	80.9 - 112
Carbon Disulfide		46.2	µg/L	1	50.0	<0.354	92	73.7 - 120
Acrylonitrile		51.0	µg/L	1	50.0	<0.306	102	75.8 - 121
2-Butanone (MEK)	[30]	72.4	µg/L	1	50.0	<0.670	145	43.7 - 117
4-Methyl-2-pentanone (MIBK)		54.3	µg/L	1	50.0	<0.463	109	69.3 - 120
2-Hexanone		62.4	µg/L	1	50.0	<0.303	125	35.6 - 138
trans 1,4-Dichloro-2-butene		51.2	µg/L	1	50.0	<0.407	102	40 - 128
1,1-Dichloroethene		47.3	µg/L	1	50.0	<0.326	95	83.4 - 114
Methylene chloride		47.7	µg/L	1	50.0	<0.375	95	62.6 - 119
MTBE		49.6	µg/L	1	50.0	<0.352	99	70 - 132
trans-1,2-Dichloroethene		47.0	µg/L	1	50.0	<0.322	94	83.3 - 114
1,1-Dichloroethane		47.1	µg/L	1	50.0	<0.324	94	81 - 124
cis-1,2-Dichloroethene		48.5	µg/L	1	50.0	<0.331	97	83.8 - 115
2,2-Dichloropropane		50.4	µg/L	1	50.0	<0.440	101	37.9 - 136
1,2-Dichloroethane (EDC)		46.0	µg/L	1	50.0	<0.327	92	67.8 - 131
Chloroform		47.2	µg/L	1	50.0	<0.345	94	75.1 - 125
1,1,1-Trichloroethane		47.1	µg/L	1	50.0	<0.303	94	72.9 - 123
1,1-Dichloropropene		47.9	µg/L	1	50.0	<0.356	96	85.9 - 119
Benzene		47.6	µg/L	1	50.0	<0.356	95	83.5 - 115
Carbon Tetrachloride		48.1	µg/L	1	50.0	<0.342	96	62.7 - 144
1,2-Dichloropropane		47.5	µg/L	1	50.0	<0.366	95	88.8 - 114
Trichloroethene (TCE)		49.4	µg/L	1	50.0	<0.434	99	91.3 - 111
Dibromomethane (methylene bromide)		48.9	µg/L	1	50.0	<0.406	98	84.2 - 118
Bromodichloromethane		48.5	µg/L	1	50.0	<0.325	97	79.5 - 127
2-Chloroethyl vinyl ether		48.2	µg/L	1	50.0	<0.366	96	75.1 - 128

continued ...

[29] Spike recovery out of control limits. Concentration biased high. •
[30] Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
cis-1,3-Dichloropropene	51.2	µg/L	1	50.0	<0.387	102	83.2 - 119
trans-1,3-Dichloropropene	50.7	µg/L	1	50.0	<0.367	101	77.4 - 126
Toluene	45.2	µg/L	1	50.0	<0.366	90	82 - 110
1,1,2-Trichloroethane	47.4	µg/L	1	50.0	<0.397	95	77 - 123
1,3-Dichloropropane	47.0	µg/L	1	50.0	<0.355	94	81.1 - 124
Dibromochloromethane	50.0	µg/L	1	50.0	<0.315	100	79 - 129
1,2-Dibromoethane (EDB)	50.7	µg/L	1	50.0	<0.340	101	78.6 - 126
Tetrachloroethene (PCE)	56.5	µg/L	1	50.0	<0.355	113	36.7 - 173
Chlorobenzene	45.7	µg/L	1	50.0	<0.363	91	87.9 - 109
1,1,1,2-Tetrachloroethane	48.5	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	46.0	µg/L	1	50.0	<0.350	92	82.4 - 116
m,p-Xylene	92.2	µg/L	1	100	<0.752	92	80 - 119
Bromoform	53.6	µg/L	1	50.0	<0.275	107	75.8 - 132
Styrene	49.7	µg/L	1	50.0	<0.395	99	84.2 - 117
o-Xylene	47.4	µg/L	1	50.0	<0.375	95	82.1 - 119
1,1,2,2-Tetrachloroethane	49.1	µg/L	1	50.0	<0.283	98	69.7 - 124
2-Chlorotoluene	45.3	µg/L	1	50.0	<0.445	91	76.5 - 123
1,2,3-Trichloropropane	48.7	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	46.2	µg/L	1	50.0	<0.521	92	78.3 - 123
Bromobenzene	46.2	µg/L	1	50.0	<0.494	92	79.9 - 122
n-Propylbenzene	44.7	µg/L	1	50.0	<0.483	89	72.6 - 122
1,3,5-Trimethylbenzene	46.1	µg/L	1	50.0	<0.487	92	69.6 - 127
tert-Butylbenzene	47.2	µg/L	1	50.0	<0.496	94	64 - 129
1,2,4-Trimethylbenzene	46.7	µg/L	1	50.0	<0.532	93	71 - 123
1,4-Dichlorobenzene (para)	44.9	µg/L	1	50.0	<0.413	90	74 - 118
sec-Butylbenzene	46.0	µg/L	1	50.0	<0.449	92	59.8 - 129
1,3-Dichlorobenzene (meta)	46.7	µg/L	1	50.0	<0.451	93	80.2 - 119
p-Isopropyltoluene	47.6	µg/L	1	50.0	<0.450	95	54.8 - 135
4-Chlorotoluene	46.1	µg/L	1	50.0	<0.489	92	78.9 - 124
1,2-Dichlorobenzene (ortho)	48.2	µg/L	1	50.0	<0.438	96	80 - 120
n-Butylbenzene	47.5	µg/L	1	50.0	<0.461	95	51.1 - 136
1,2-Dibromo-3-chloropropane	54.4	µg/L	1	50.0	<0.532	109	38.2 - 151
1,2,3-Trichlorobenzene	65.0	µg/L	1	50.0	<0.288	130	25.4 - 158
1,2,4-Trichlorobenzene	54.5	µg/L	1	50.0	<0.273	109	38.2 - 140
Naphthalene	67.3	µg/L	1	50.0	<0.299	135	33.3 - 152
Hexachlorobutadiene	55.7	µg/L	1	50.0	<0.483	111	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.9	µg/L	1	50.0	<0.351	100	85.7 - 113	1	20
Dichlorodifluoromethane	46.3	µg/L	1	50.0	<0.306	93	60.3 - 134	0	20
Chloromethane (methyl chloride)	43.8	µg/L	1	50.0	<0.240	88	72 - 120	0	20
Vinyl Chloride	45.6	µg/L	1	50.0	<0.224	91	64.4 - 132	0	20
Bromomethane (methyl bromide)	46.0	µg/L	1	50.0	<0.325	92	65.9 - 133	0	20
Chloroethane	44.2	µg/L	1	50.0	<0.303	88	65.3 - 132	0	20
Trichlorofluoromethane	51.8	µg/L	1	50.0	<0.255	104	52.7 - 159	1	20
Acetone [31]	181	µg/L	1	50.0	<1.86	362	10 - 185	4	20
Iodomethane (methyl iodide)	50.2	µg/L	1	50.0	<0.397	100	80.9 - 112	2	20

continued ...

[31] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Carbon Disulfide	47.0	µg/L	1	50.0	<0.354	94	73.7 - 120	2	20
Acrylonitrile	50.6	µg/L	1	50.0	<0.306	101	75.8 - 121	1	20
2-Butanone (MEK) [32]	70.1	µg/L	1	50.0	<0.670	140	43.7 - 117	3	20
4-Methyl-2-pentanone (MIBK)	53.1	µg/L	1	50.0	<0.463	106	69.3 - 120	2	20
2-Hexanone	60.7	µg/L	1	50.0	<0.303	121	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	50.3	µg/L	1	50.0	<0.407	101	40 - 128	2	20
1,1-Dichloroethene	48.2	µg/L	1	50.0	<0.326	96	83.4 - 114	2	20
Methylene chloride	48.9	µg/L	1	50.0	<0.375	98	62.6 - 119	2	20
MTBE	50.5	µg/L	1	50.0	<0.352	101	70 - 132	2	20
trans-1,2-Dichloroethene	48.1	µg/L	1	50.0	<0.322	96	83.3 - 114	2	20
1,1-Dichloroethane	47.8	µg/L	1	50.0	<0.324	96	81 - 124	2	20
cis-1,2-Dichloroethene	49.0	µg/L	1	50.0	<0.331	98	83.8 - 115	1	20
2,2-Dichloropropane	49.7	µg/L	1	50.0	<0.440	99	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	46.3	µg/L	1	50.0	<0.327	93	67.8 - 131	1	20
Chloroform	48.1	µg/L	1	50.0	<0.345	96	75.1 - 125	2	20
1,1,1-Trichloroethane	47.7	µg/L	1	50.0	<0.303	95	72.9 - 123	1	20
1,1-Dichloropropene	48.7	µg/L	1	50.0	<0.356	97	85.9 - 119	2	20
Benzene	48.6	µg/L	1	50.0	<0.356	97	83.5 - 115	2	20
Carbon Tetrachloride	49.6	µg/L	1	50.0	<0.342	99	62.7 - 144	3	20
1,2-Dichloropropane	48.4	µg/L	1	50.0	<0.366	97	88.8 - 114	2	20
Trichloroethene (TCE)	50.9	µg/L	1	50.0	<0.434	102	91.3 - 111	3	20
Dibromomethane (methylene bromide)	49.9	µg/L	1	50.0	<0.406	100	84.2 - 118	2	20
Bromodichloromethane	49.7	µg/L	1	50.0	<0.325	99	79.5 - 127	2	20
2-Chloroethyl vinyl ether	49.1	µg/L	1	50.0	<0.366	98	75.1 - 128	2	20
cis-1,3-Dichloropropene	51.9	µg/L	1	50.0	<0.387	104	83.2 - 119	1	20
trans-1,3-Dichloropropene	51.7	µg/L	1	50.0	<0.367	103	77.4 - 126	2	20
Toluene	46.2	µg/L	1	50.0	<0.366	92	82 - 110	2	20
1,1,2-Trichloroethane	47.7	µg/L	1	50.0	<0.397	95	77 - 123	1	20
1,3-Dichloropropane	47.5	µg/L	1	50.0	<0.355	95	81.1 - 124	1	20
Dibromochloromethane	51.4	µg/L	1	50.0	<0.315	103	79 - 129	3	20
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.340	103	78.6 - 126	1	20
Tetrachloroethene (PCE)	63.0	µg/L	1	50.0	<0.355	126	36.7 - 173	11	20
Chlorobenzene	46.7	µg/L	1	50.0	<0.363	93	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	49.9	µg/L	1	50.0	<0.338	100	80.5 - 125	3	20
Ethylbenzene	47.0	µg/L	1	50.0	<0.350	94	82.4 - 116	2	20
m,p-Xylene	94.3	µg/L	1	100	<0.752	94	80 - 119	2	20
Bromoform	54.7	µg/L	1	50.0	<0.275	109	75.8 - 132	2	20
Styrene	50.6	µg/L	1	50.0	<0.395	101	84.2 - 117	2	20
o-Xylene	48.1	µg/L	1	50.0	<0.375	96	82.1 - 119	2	20
1,1,2,2-Tetrachloroethane	48.7	µg/L	1	50.0	<0.283	97	69.7 - 124	1	20
2-Chlorotoluene	46.8	µg/L	1	50.0	<0.445	94	76.5 - 123	3	20
1,2,3-Trichloropropane	48.9	µg/L	1	50.0	<0.430	98	66.3 - 130	0	20
Isopropylbenzene	48.5	µg/L	1	50.0	<0.521	97	78.3 - 123	5	20
Bromobenzene	47.4	µg/L	1	50.0	<0.494	95	79.9 - 122	3	20
n-Propylbenzene	46.2	µg/L	1	50.0	<0.483	92	72.6 - 122	3	20
1,3,5-Trimethylbenzene	47.6	µg/L	1	50.0	<0.487	95	69.6 - 127	3	20
tert-Butylbenzene	48.4	µg/L	1	50.0	<0.496	97	64 - 129	2	20
1,2,4-Trimethylbenzene	48.4	µg/L	1	50.0	<0.532	97	71 - 123	4	20
1,4-Dichlorobenzene (para)	46.4	µg/L	1	50.0	<0.413	93	74 - 118	3	20

continued ...

[32] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
sec-Butylbenzene	47.8	µg/L	1	50.0	<0.449	96	59.8 - 129	4	20
1,3-Dichlorobenzene (meta)	47.9	µg/L	1	50.0	<0.451	96	80.2 - 119	2	20
p-Isopropyltoluene	48.9	µg/L	1	50.0	<0.450	98	54.8 - 135	3	20
4-Chlorotoluene	47.6	µg/L	1	50.0	<0.489	95	78.9 - 124	3	20
1,2-Dichlorobenzene (ortho)	49.4	µg/L	1	50.0	<0.438	99	80 - 120	2	20
n-Butylbenzene	48.5	µg/L	1	50.0	<0.461	97	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane	55.3	µg/L	1	50.0	<0.532	111	38.2 - 151	2	20
1,2,3-Trichlorobenzene	65.7	µg/L	1	50.0	<0.288	131	25.4 - 158	1	20
1,2,4-Trichlorobenzene	54.5	µg/L	1	50.0	<0.273	109	38.2 - 140	0	20
Naphthalene	68.0	µg/L	1	50.0	<0.299	136	33.3 - 152	1	20
Hexachlorobutadiene	56.2	µg/L	1	50.0	<0.483	112	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.0	51.4	µg/L	1	50.0	102	103	82.4 - 115
Toluene-d8	49.6	49.9	µg/L	1	50.0	99	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.7	50.8	µg/L	1	50.0	101	102	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39186 Date Analyzed: 2007-07-17 Analyzed By: JG
Prep Batch: 33913 QC Preparation: 2007-07-17 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	47.7	µg/L	1	50.0	<0.351	95	85.7 - 113
Dichlorodifluoromethane	38.0	µg/L	1	50.0	<0.306	76	60.3 - 134
Chloromethane (methyl chloride)	37.6	µg/L	1	50.0	<0.240	75	72 - 120
Vinyl Chloride	40.5	µg/L	1	50.0	<0.224	81	64.4 - 132
Bromomethane (methyl bromide)	41.2	µg/L	1	50.0	<0.325	82	65.9 - 133
Chloroethane	40.2	µg/L	1	50.0	<0.303	80	65.3 - 132
Trichlorofluoromethane	46.8	µg/L	1	50.0	<0.255	94	52.7 - 159
Acetone	46.3	µg/L	1	50.0	<1.86	93	10 - 185
Iodomethane (methyl iodide)	47.8	µg/L	1	50.0	<0.397	96	80.9 - 112
Carbon Disulfide	41.2	µg/L	1	50.0	<0.354	82	73.7 - 120
Acrylonitrile	44.0	µg/L	1	50.0	<0.306	88	75.8 - 121
2-Butanone (MEK)	48.0	µg/L	1	50.0	<0.670	96	43.7 - 117
4-Methyl-2-pentanone (MIBK)	49.6	µg/L	1	50.0	<0.463	99	69.3 - 120
2-Hexanone	42.5	µg/L	1	50.0	<0.303	85	35.6 - 138
trans 1,4-Dichloro-2-butene	43.6	µg/L	1	50.0	<0.407	87	40 - 128
1,1-Dichloroethene	44.3	µg/L	1	50.0	<0.326	89	83.4 - 114
Methylene chloride	42.4	µg/L	1	50.0	<0.375	85	62.6 - 119
MTBE	44.7	µg/L	1	50.0	<0.352	89	70 - 132
trans-1,2-Dichloroethene	44.1	µg/L	1	50.0	<0.322	88	83.3 - 114
1,1-Dichloroethane	42.6	µg/L	1	50.0	<0.324	85	81 - 124
cis-1,2-Dichloroethene	45.4	µg/L	1	50.0	<0.331	91	83.8 - 115
2,2-Dichloropropane	46.1	µg/L	1	50.0	<0.440	92	37.9 - 136
1,2-Dichloroethane (EDC)	40.6	µg/L	1	50.0	<0.327	81	67.8 - 131

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroform	42.7	µg/L	1	50.0	<0.345	85	75.1 - 125
1,1,1-Trichloroethane	43.6	µg/L	1	50.0	<0.303	87	72.9 - 123
1,1-Dichloropropene	45.6	µg/L	1	50.0	<0.356	91	85.9 - 119
Benzene	45.4	µg/L	1	50.0	<0.356	91	83.5 - 115
Carbon Tetrachloride	47.7	µg/L	1	50.0	<0.342	95	62.7 - 144
1,2-Dichloropropane	45.3	µg/L	1	50.0	<0.366	91	88.8 - 114
Trichloroethene (TCE)	50.4	µg/L	1	50.0	<0.434	101	91.3 - 111
Dibromomethane (methylene bromide)	46.8	µg/L	1	50.0	<0.406	94	84.2 - 118
Bromodichloromethane	46.2	µg/L	1	50.0	<0.325	92	79.5 - 127
2-Chloroethyl vinyl ether	45.9	µg/L	1	50.0	<0.366	92	75.1 - 128
cis-1,3-Dichloropropene	49.1	µg/L	1	50.0	<0.387	98	83.2 - 119
trans-1,3-Dichloropropene	47.9	µg/L	1	50.0	<0.367	96	77.4 - 126
Toluene	44.2	µg/L	1	50.0	<0.366	88	82 - 110
1,1,2-Trichloroethane	44.9	µg/L	1	50.0	<0.397	90	77 - 123
1,3-Dichloropropane	44.7	µg/L	1	50.0	<0.355	89	81.1 - 124
Dibromochloromethane	50.1	µg/L	1	50.0	<0.315	100	79 - 129
1,2-Dibromoethane (EDB)	49.5	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	48.1	µg/L	1	50.0	<0.355	96	36.7 - 173
Chlorobenzene	45.6	µg/L	1	50.0	<0.363	91	87.9 - 109
1,1,1,2-Tetrachloroethane	48.5	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	44.6	µg/L	1	50.0	<0.350	89	82.4 - 116
m,p-Xylene	88.9	µg/L	1	100	<0.752	89	80 - 119
Bromoform	54.5	µg/L	1	50.0	<0.275	109	75.8 - 132
Styrene	48.7	µg/L	1	50.0	<0.395	97	84.2 - 117
o-Xylene	45.6	µg/L	1	50.0	<0.375	91	82.1 - 119
1,1,2,2-Tetrachloroethane	45.1	µg/L	1	50.0	<0.283	90	69.7 - 124
2-Chlorotoluene	43.5	µg/L	1	50.0	<0.445	87	76.5 - 123
1,2,3-Trichloropropane	44.5	µg/L	1	50.0	<0.430	89	66.3 - 130
Isopropylbenzene	45.5	µg/L	1	50.0	<0.521	91	78.3 - 123
Bromobenzene	43.3	µg/L	1	50.0	<0.494	87	79.9 - 122
n-Propylbenzene	42.4	µg/L	1	50.0	<0.483	85	72.6 - 122
1,3,5-Trimethylbenzene	44.5	µg/L	1	50.0	<0.487	89	69.6 - 127
tert-Butylbenzene	45.6	µg/L	1	50.0	<0.496	91	64 - 129
1,2,4-Trimethylbenzene	44.9	µg/L	1	50.0	<0.532	90	71 - 123
1,4-Dichlorobenzene (para)	44.3	µg/L	1	50.0	<0.413	89	74 - 118
sec-Butylbenzene	43.4	µg/L	1	50.0	<0.449	87	59.8 - 129
1,3-Dichlorobenzene (meta)	46.3	µg/L	1	50.0	<0.451	93	80.2 - 119
p-Isopropyltoluene	45.4	µg/L	1	50.0	<0.450	91	54.8 - 135
4-Chlorotoluene	44.4	µg/L	1	50.0	<0.489	89	78.9 - 124
1,2-Dichlorobenzene (ortho)	47.4	µg/L	1	50.0	<0.438	95	80 - 120
n-Butylbenzene	42.5	µg/L	1	50.0	<0.461	85	51.1 - 136
1,2-Dibromo-3-chloropropane	49.8	µg/L	1	50.0	<0.532	100	38.2 - 151
1,2,3-Trichlorobenzene	62.0	µg/L	1	50.0	<0.288	124	25.4 - 158
1,2,4-Trichlorobenzene	53.4	µg/L	1	50.0	<0.273	107	38.2 - 140
Naphthalene	65.0	µg/L	1	50.0	<0.299	130	33.3 - 152
Hexachlorobutadiene	50.2	µg/L	1	50.0	<0.483	100	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	47.3	µg/L	1	50.0	<0.351	95	85.7 - 113	1	20
Dichlorodifluoromethane	38.9	µg/L	1	50.0	<0.306	78	60.3 - 134	2	20
Chloromethane (methyl chloride)	37.0	µg/L	1	50.0	<0.240	74	72 - 120	2	20
Vinyl Chloride	40.2	µg/L	1	50.0	<0.224	80	64.4 - 132	1	20
Bromomethane (methyl bromide)	40.8	µg/L	1	50.0	<0.325	82	65.9 - 133	1	20
Chloroethane	39.7	µg/L	1	50.0	<0.303	79	65.3 - 132	1	20
Trichlorofluoromethane	46.5	µg/L	1	50.0	<0.255	93	52.7 - 159	1	20
Acetone	44.6	µg/L	1	50.0	<1.86	89	10 - 185	4	20
Iodomethane (methyl iodide)	47.4	µg/L	1	50.0	<0.397	95	80.9 - 112	1	20
Carbon Disulfide	41.0	µg/L	1	50.0	<0.354	82	73.7 - 120	0	20
Acrylonitrile	44.4	µg/L	1	50.0	<0.306	89	75.8 - 121	1	20
2-Butanone (MEK)	47.8	µg/L	1	50.0	<0.670	96	43.7 - 117	0	20
4-Methyl-2-pentanone (MIBK)	49.6	µg/L	1	50.0	<0.463	99	69.3 - 120	0	20
2-Hexanone	42.9	µg/L	1	50.0	<0.303	86	35.6 - 138	1	20
trans 1,4-Dichloro-2-butene	43.3	µg/L	1	50.0	<0.407	87	40 - 128	1	20
1,1-Dichloroethene	43.8	µg/L	1	50.0	<0.326	88	83.4 - 114	1	20
Methylene chloride	42.2	µg/L	1	50.0	<0.375	84	62.6 - 119	0	20
MTBE	44.9	µg/L	1	50.0	<0.352	90	70 - 132	0	20
trans-1,2-Dichloroethene	43.9	µg/L	1	50.0	<0.322	88	83.3 - 114	0	20
1,1-Dichloroethane	42.7	µg/L	1	50.0	<0.324	85	81 - 124	0	20
cis-1,2-Dichloroethene	45.4	µg/L	1	50.0	<0.331	91	83.8 - 115	0	20
2,2-Dichloropropane	45.1	µg/L	1	50.0	<0.440	90	37.9 - 136	2	20
1,2-Dichloroethane (EDC)	40.3	µg/L	1	50.0	<0.327	81	67.8 - 131	1	20
Chloroform	42.8	µg/L	1	50.0	<0.345	86	75.1 - 125	0	20
1,1,1-Trichloroethane	43.4	µg/L	1	50.0	<0.303	87	72.9 - 123	0	20
1,1-Dichloropropene	45.5	µg/L	1	50.0	<0.356	91	85.9 - 119	0	20
Benzene	45.1	µg/L	1	50.0	<0.356	90	83.5 - 115	1	20
Carbon Tetrachloride	47.4	µg/L	1	50.0	<0.342	95	62.7 - 144	1	20
1,2-Dichloropropane	45.0	µg/L	1	50.0	<0.366	90	88.8 - 114	1	20
Trichloroethene (TCE)	49.7	µg/L	1	50.0	<0.434	99	91.3 - 111	1	20
Dibromomethane (methylene bromide)	47.2	µg/L	1	50.0	<0.406	94	84.2 - 118	1	20
Bromodichloromethane	46.3	µg/L	1	50.0	<0.325	93	79.5 - 127	0	20
2-Chloroethyl vinyl ether	45.6	µg/L	1	50.0	<0.366	91	75.1 - 128	1	20
cis-1,3-Dichloropropene	48.8	µg/L	1	50.0	<0.387	98	83.2 - 119	1	20
trans-1,3-Dichloropropene	48.4	µg/L	1	50.0	<0.367	97	77.4 - 126	1	20
Toluene	43.9	µg/L	1	50.0	<0.366	88	82 - 110	1	20
1,1,2-Trichloroethane	45.0	µg/L	1	50.0	<0.397	90	77 - 123	0	20
1,3-Dichloropropane	44.8	µg/L	1	50.0	<0.355	90	81.1 - 124	0	20
Dibromochloromethane	50.4	µg/L	1	50.0	<0.315	101	79 - 129	1	20
1,2-Dibromoethane (EDB)	49.8	µg/L	1	50.0	<0.340	100	78.6 - 126	1	20
Tetrachloroethene (PCE)	48.1	µg/L	1	50.0	<0.355	96	36.7 - 173	0	20
Chlorobenzene	45.5	µg/L	1	50.0	<0.363	91	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	48.6	µg/L	1	50.0	<0.338	97	80.5 - 125	0	20
Ethylbenzene	44.6	µg/L	1	50.0	<0.350	89	82.4 - 116	0	20
m,p-Xylene	89.4	µg/L	1	100	<0.752	89	80 - 119	1	20
Bromoform	55.0	µg/L	1	50.0	<0.275	110	75.8 - 132	1	20
Styrene	48.8	µg/L	1	50.0	<0.395	98	84.2 - 117	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
o-Xylene	45.6	µg/L	1	50.0	<0.375	91	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	45.8	µg/L	1	50.0	<0.283	92	69.7 - 124	2	20
2-Chlorotoluene	43.3	µg/L	1	50.0	<0.445	87	76.5 - 123	0	20
1,2,3-Trichloropropane	44.9	µg/L	1	50.0	<0.430	90	66.3 - 130	1	20
Isopropylbenzene	45.5	µg/L	1	50.0	<0.521	91	78.3 - 123	0	20
Bromobenzene	43.2	µg/L	1	50.0	<0.494	86	79.9 - 122	0	20
n-Propylbenzene	42.4	µg/L	1	50.0	<0.483	85	72.6 - 122	0	20
1,3,5-Trimethylbenzene	44.3	µg/L	1	50.0	<0.487	89	69.6 - 127	0	20
tert-Butylbenzene	45.5	µg/L	1	50.0	<0.496	91	64 - 129	0	20
1,2,4-Trimethylbenzene	44.7	µg/L	1	50.0	<0.532	89	71 - 123	0	20
1,4-Dichlorobenzene (para)	44.5	µg/L	1	50.0	<0.413	89	74 - 118	0	20
sec-Butylbenzene	43.3	µg/L	1	50.0	<0.449	87	59.8 - 129	0	20
1,3-Dichlorobenzene (meta)	46.3	µg/L	1	50.0	<0.451	93	80.2 - 119	0	20
p-Isopropyltoluene	45.1	µg/L	1	50.0	<0.450	90	54.8 - 135	1	20
4-Chlorotoluene	44.1	µg/L	1	50.0	<0.489	88	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	47.4	µg/L	1	50.0	<0.438	95	80 - 120	0	20
n-Butylbenzene	42.8	µg/L	1	50.0	<0.461	86	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	50.6	µg/L	1	50.0	<0.532	101	38.2 - 151	2	20
1,2,3-Trichlorobenzene	66.4	µg/L	1	50.0	<0.288	133	25.4 - 158	7	20
1,2,4-Trichlorobenzene	55.0	µg/L	1	50.0	<0.273	110	38.2 - 140	3	20
Naphthalene	68.1	µg/L	1	50.0	<0.299	136	33.3 - 152	5	20
Hexachlorobutadiene	51.7	µg/L	1	50.0	<0.483	103	49.1 - 134	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	48.2	47.8	µg/L	1	50.0	96	96	82.4 - 115
Toluene-d8	48.9	48.6	µg/L	1	50.0	98	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.1	49.6	µg/L	1	50.0	100	99	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39268 Date Analyzed: 2007-07-19 Analyzed By: JG
Prep Batch: 33990 QC Preparation: 2007-07-19 Prepared By: JG

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		50.0	µg/L	1	50.0	<0.351	100	85.7 - 113
Dichlorodifluoromethane		46.7	µg/L	1	50.0	<0.306	93	60.3 - 134
Chloromethane (methyl chloride)		37.9	µg/L	1	50.0	<0.240	76	72 - 120
Vinyl Chloride		41.9	µg/L	1	50.0	<0.224	84	64.4 - 132
Bromomethane (methyl bromide)		46.8	µg/L	1	50.0	<0.325	94	65.9 - 133
Chloroethane		39.2	µg/L	1	50.0	<0.303	78	65.3 - 132
Trichlorofluoromethane		46.0	µg/L	1	50.0	<0.255	92	52.7 - 159
Acetone		54.9	µg/L	1	50.0	<1.86	110	10 - 185
Iodomethane (methyl iodide)	[33]	58.2	µg/L	1	50.0	<0.397	116	80.9 - 112
Carbon Disulfide		47.8	µg/L	1	50.0	<0.354	96	73.7 - 120

continued ...

[33] Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acrylonitrile	43.7	µg/L	1	50.0	<0.306	87	75.8 - 121
2-Butanone (MEK)	56.5	µg/L	1	50.0	<0.670	113	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.5	µg/L	1	50.0	<0.463	105	69.3 - 120
2-Hexanone	45.1	µg/L	1	50.0	<0.303	90	35.6 - 138
trans 1,4-Dichloro-2-butene	48.7	µg/L	1	50.0	<0.407	97	40 - 128
1,1-Dichloroethene	45.9	µg/L	1	50.0	<0.326	92	83.4 - 114
Methylene chloride	43.5	µg/L	1	50.0	<0.375	87	62.6 - 119
MTBE	44.7	µg/L	1	50.0	<0.352	89	70 - 132
trans-1,2-Dichloroethene	44.9	µg/L	1	50.0	<0.322	90	83.3 - 114
1,1-Dichloroethane	44.1	µg/L	1	50.0	<0.324	88	81 - 124
cis-1,2-Dichloroethene	46.5	µg/L	1	50.0	<0.331	93	83.8 - 115
2,2-Dichloropropane	45.6	µg/L	1	50.0	<0.440	91	37.9 - 136
1,2-Dichloroethane (EDC)	39.2	µg/L	1	50.0	<0.327	78	67.8 - 131
Chloroform	43.9	µg/L	1	50.0	<0.345	88	75.1 - 125
1,1,1-Trichloroethane	45.0	µg/L	1	50.0	<0.303	90	72.9 - 123
1,1-Dichloropropene	45.4	µg/L	1	50.0	<0.356	91	85.9 - 119
Benzene	46.4	µg/L	1	50.0	<0.356	93	83.5 - 115
Carbon Tetrachloride	50.0	µg/L	1	50.0	<0.342	100	62.7 - 144
1,2-Dichloropropane	45.0	µg/L	1	50.0	<0.366	90	88.8 - 114
Trichloroethene (TCE)	51.8	µg/L	1	50.0	<0.434	104	91.3 - 111
Dibromomethane (methylene bromide)	49.0	µg/L	1	50.0	<0.406	98	84.2 - 118
Bromodichloromethane	47.0	µg/L	1	50.0	<0.325	94	79.5 - 127
2-Chloroethyl vinyl ether	45.6	µg/L	1	50.0	<0.366	91	75.1 - 128
cis-1,3-Dichloropropene	50.4	µg/L	1	50.0	<0.387	101	83.2 - 119
trans-1,3-Dichloropropene	49.8	µg/L	1	50.0	<0.367	100	77.4 - 126
Toluene	44.8	µg/L	1	50.0	<0.366	90	82 - 110
1,1,2-Trichloroethane	44.1	µg/L	1	50.0	<0.397	88	77 - 123
1,3-Dichloropropane	43.7	µg/L	1	50.0	<0.355	87	81.1 - 124
Dibromochloromethane	51.4	µg/L	1	50.0	<0.315	103	79 - 129
1,2-Dibromoethane (EDB)	49.6	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	50.1	µg/L	1	50.0	<0.355	100	36.7 - 173
Chlorobenzene	46.0	µg/L	1	50.0	<0.363	92	87.9 - 109
1,1,1,2-Tetrachloroethane	48.6	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	43.8	µg/L	1	50.0	<0.350	88	82.4 - 116
m,p-Xylene	87.3	µg/L	1	100	<0.752	87	80 - 119
Bromoform	59.2	µg/L	1	50.0	<0.275	118	75.8 - 132
Styrene	53.0	µg/L	1	50.0	<0.395	106	84.2 - 117
o-Xylene	44.9	µg/L	1	50.0	<0.375	90	82.1 - 119
1,1,2,2-Tetrachloroethane	44.8	µg/L	1	50.0	<0.283	90	69.7 - 124
2-Chlorotoluene	41.3	µg/L	1	50.0	<0.445	83	76.5 - 123
1,2,3-Trichloropropane	44.5	µg/L	1	50.0	<0.430	89	66.3 - 130
Isopropylbenzene	42.9	µg/L	1	50.0	<0.521	86	78.3 - 123
Bromobenzene	42.1	µg/L	1	50.0	<0.494	84	79.9 - 122
n-Propylbenzene	38.8	µg/L	1	50.0	<0.483	78	72.6 - 122
1,3,5-Trimethylbenzene	41.4	µg/L	1	50.0	<0.487	83	69.6 - 127
tert-Butylbenzene	41.7	µg/L	1	50.0	<0.496	83	64 - 129
1,2,4-Trimethylbenzene	42.4	µg/L	1	50.0	<0.532	85	71 - 123
1,4-Dichlorobenzene (para)	43.4	µg/L	1	50.0	<0.413	87	74 - 118
sec-Butylbenzene	39.1	µg/L	1	50.0	<0.449	78	59.8 - 129
1,3-Dichlorobenzene (meta)	45.1	µg/L	1	50.0	<0.451	90	80.2 - 119

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
p-Isopropyltoluene	41.1	µg/L	1	50.0	<0.450	82	54.8 - 135
4-Chlorotoluene	42.6	µg/L	1	50.0	<0.489	85	78.9 - 124
1,2-Dichlorobenzene (ortho)	47.0	µg/L	1	50.0	<0.438	94	80 - 120
n-Butylbenzene	38.4	µg/L	1	50.0	<0.461	77	51.1 - 136
1,2-Dibromo-3-chloropropane	49.4	µg/L	1	50.0	<0.532	99	38.2 - 151
1,2,3-Trichlorobenzene	66.5	µg/L	1	50.0	<0.288	133	25.4 - 158
1,2,4-Trichlorobenzene	53.0	µg/L	1	50.0	<0.273	106	38.2 - 140
Naphthalene	70.9	µg/L	1	50.0	<0.299	142	33.3 - 152
Hexachlorobutadiene	52.0	µg/L	1	50.0	<0.483	104	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.2	µg/L	1	50.0	<0.351	100	85.7 - 113	0	20
Dichlorodifluoromethane	46.3	µg/L	1	50.0	<0.306	93	60.3 - 134	1	20
Chloromethane (methyl chloride)	38.4	µg/L	1	50.0	<0.240	77	72 - 120	1	20
Vinyl Chloride	42.3	µg/L	1	50.0	<0.224	85	64.4 - 132	1	20
Bromomethane (methyl bromide)	48.1	µg/L	1	50.0	<0.325	96	65.9 - 133	3	20
Chloroethane	39.5	µg/L	1	50.0	<0.303	79	65.3 - 132	1	20
Trichlorofluoromethane	46.7	µg/L	1	50.0	<0.255	93	52.7 - 159	2	20
Acetone	51.4	µg/L	1	50.0	<1.86	103	10 - 185	7	20
Iodomethane (methyl iodide) [34]	57.1	µg/L	1	50.0	<0.397	114	80.9 - 112	2	20
Carbon Disulfide	47.5	µg/L	1	50.0	<0.354	95	73.7 - 120	1	20
Acrylonitrile	43.8	µg/L	1	50.0	<0.306	88	75.8 - 121	0	20
2-Butanone (MEK)	54.2	µg/L	1	50.0	<0.670	108	43.7 - 117	4	20
4-Methyl-2-pentanone (MIBK)	53.0	µg/L	1	50.0	<0.463	106	69.3 - 120	1	20
2-Hexanone	44.1	µg/L	1	50.0	<0.303	88	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	48.5	µg/L	1	50.0	<0.407	97	40 - 128	0	20
1,1-Dichloroethene	44.9	µg/L	1	50.0	<0.326	90	83.4 - 114	2	20
Methylene chloride	43.3	µg/L	1	50.0	<0.375	87	62.6 - 119	0	20
MTBE	44.2	µg/L	1	50.0	<0.352	88	70 - 132	1	20
trans-1,2-Dichloroethene	44.5	µg/L	1	50.0	<0.322	89	83.3 - 114	1	20
1,1-Dichloroethane	43.9	µg/L	1	50.0	<0.324	88	81 - 124	0	20
cis-1,2-Dichloroethene	45.6	µg/L	1	50.0	<0.331	91	83.8 - 115	2	20
2,2-Dichloropropane	44.4	µg/L	1	50.0	<0.440	89	37.9 - 136	3	20
1,2-Dichloroethane (EDC)	39.0	µg/L	1	50.0	<0.327	78	67.8 - 131	0	20
Chloroform	43.7	µg/L	1	50.0	<0.345	87	75.1 - 125	0	20
1,1,1-Trichloroethane	44.6	µg/L	1	50.0	<0.303	89	72.9 - 123	1	20
1,1-Dichloropropene	45.5	µg/L	1	50.0	<0.356	91	85.9 - 119	0	20
Benzene	46.5	µg/L	1	50.0	<0.356	93	83.5 - 115	0	20
Carbon Tetrachloride	49.9	µg/L	1	50.0	<0.342	100	62.7 - 144	0	20
1,2-Dichloropropane	45.2	µg/L	1	50.0	<0.366	90	88.8 - 114	0	20
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.434	104	91.3 - 111	0	20
Dibromomethane (methylene bromide)	49.2	µg/L	1	50.0	<0.406	98	84.2 - 118	0	20
Bromodichloromethane	47.3	µg/L	1	50.0	<0.325	95	79.5 - 127	1	20
2-Chloroethyl vinyl ether	45.8	µg/L	1	50.0	<0.366	92	75.1 - 128	0	20
cis-1,3-Dichloropropene	50.2	µg/L	1	50.0	<0.387	100	83.2 - 119	0	20
trans-1,3-Dichloropropene	50.1	µg/L	1	50.0	<0.367	100	77.4 - 126	1	20
Toluene	45.1	µg/L	1	50.0	<0.366	90	82 - 110	1	20

continued ...

[34] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1,2-Trichloroethane	44.4	µg/L	1	50.0	<0.397	89	77 - 123	1	20
1,3-Dichloropropane	43.9	µg/L	1	50.0	<0.355	88	81.1 - 124	0	20
Dibromochloromethane	51.8	µg/L	1	50.0	<0.315	104	79 - 129	1	20
1,2-Dibromoethane (EDB)	50.0	µg/L	1	50.0	<0.340	100	78.6 - 126	1	20
Tetrachloroethene (PCE)	50.3	µg/L	1	50.0	<0.355	101	36.7 - 173	0	20
Chlorobenzene	46.3	µg/L	1	50.0	<0.363	93	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	48.6	µg/L	1	50.0	<0.338	97	80.5 - 125	0	20
Ethylbenzene	44.1	µg/L	1	50.0	<0.350	88	82.4 - 116	1	20
m,p-Xylene	87.9	µg/L	1	100	<0.752	88	80 - 119	1	20
Bromoform	59.4	µg/L	1	50.0	<0.275	119	75.8 - 132	0	20
Styrene	52.6	µg/L	1	50.0	<0.395	105	84.2 - 117	1	20
o-Xylene	44.9	µg/L	1	50.0	<0.375	90	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	44.8	µg/L	1	50.0	<0.283	90	69.7 - 124	0	20
2-Chlorotoluene	41.9	µg/L	1	50.0	<0.445	84	76.5 - 123	1	20
1,2,3-Trichloropropane	45.4	µg/L	1	50.0	<0.430	91	66.3 - 130	2	20
Isopropylbenzene	43.5	µg/L	1	50.0	<0.521	87	78.3 - 123	1	20
Bromobenzene	42.8	µg/L	1	50.0	<0.494	86	79.9 - 122	2	20
n-Propylbenzene	39.8	µg/L	1	50.0	<0.483	80	72.6 - 122	2	20
1,3,5-Trimethylbenzene	41.8	µg/L	1	50.0	<0.487	84	69.6 - 127	1	20
tert-Butylbenzene	42.8	µg/L	1	50.0	<0.496	86	64 - 129	3	20
1,2,4-Trimethylbenzene	43.2	µg/L	1	50.0	<0.532	86	71 - 123	2	20
1,4-Dichlorobenzene (para)	44.1	µg/L	1	50.0	<0.413	88	74 - 118	2	20
sec-Butylbenzene	39.5	µg/L	1	50.0	<0.449	79	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	45.7	µg/L	1	50.0	<0.451	91	80.2 - 119	1	20
p-Isopropyltoluene	41.4	µg/L	1	50.0	<0.450	83	54.8 - 135	1	20
4-Chlorotoluene	43.2	µg/L	1	50.0	<0.489	86	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	47.4	µg/L	1	50.0	<0.438	95	80 - 120	1	20
n-Butylbenzene	38.3	µg/L	1	50.0	<0.461	77	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane	50.2	µg/L	1	50.0	<0.532	100	38.2 - 151	2	20
1,2,3-Trichlorobenzene	69.4	µg/L	1	50.0	<0.288	139	25.4 - 158	4	20
1,2,4-Trichlorobenzene	53.9	µg/L	1	50.0	<0.273	108	38.2 - 140	2	20
Naphthalene	73.4	µg/L	1	50.0	<0.299	147	33.3 - 152	4	20
Hexachlorobutadiene	52.0	µg/L	1	50.0	<0.483	104	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	45.4	44.7	µg/L	1	50.0	91	89	82.4 - 115
Toluene-d8	46.1	45.9	µg/L	1	50.0	92	92	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.8	47.7	µg/L	1	50.0	98	95	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG
Prep Batch: 34101 QC Preparation: 2007-07-24 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	47.6	µg/L	1	50.0	<0.351	95	85.7 - 113

continued ...

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dichlorodifluoromethane		45.9	µg/L	1	50.0	<0.306	92	60.3 - 134
Chloromethane (methyl chloride)	[35]	30.8	µg/L	1	50.0	<0.240	62	72 - 120
Vinyl Chloride		38.7	µg/L	1	50.0	<0.224	77	64.4 - 132
Bromomethane (methyl bromide)		40.3	µg/L	1	50.0	<0.325	81	65.9 - 133
Chloroethane		33.9	µg/L	1	50.0	<0.303	68	65.3 - 132
Trichlorofluoromethane		47.6	µg/L	1	50.0	<0.255	95	52.7 - 159
Acetone	[36]	112	µg/L	1	50.0	<1.86	224	10 - 185
Iodomethane (methyl iodide)	[37]	56.5	µg/L	1	50.0	<0.397	113	80.9 - 112
Carbon Disulfide		47.4	µg/L	1	50.0	<0.354	95	73.7 - 120
Acrylonitrile		40.9	µg/L	1	50.0	<0.306	82	75.8 - 121
2-Butanone (MEK)	[38]	61.2	µg/L	1	50.0	<0.670	122	43.7 - 117
4-Methyl-2-pentanone (MIBK)		51.2	µg/L	1	50.0	<0.463	102	69.3 - 120
2-Hexanone		41.2	µg/L	1	50.0	<0.303	82	35.6 - 138
trans 1,4-Dichloro-2-butene		47.8	µg/L	1	50.0	<0.407	96	40 - 128
1,1-Dichloroethene		44.0	µg/L	1	50.0	<0.326	88	83.4 - 114
Methylene chloride		41.7	µg/L	1	50.0	<0.375	83	62.6 - 119
MTBE		43.5	µg/L	1	50.0	<0.352	87	70 - 132
trans-1,2-Dichloroethene		42.8	µg/L	1	50.0	<0.322	86	83.3 - 114
1,1-Dichloroethane		40.6	µg/L	1	50.0	<0.324	81	81 - 124
cis-1,2-Dichloroethene		43.2	µg/L	1	50.0	<0.331	86	83.8 - 115
2,2-Dichloropropane		46.2	µg/L	1	50.0	<0.440	92	37.9 - 136
1,2-Dichloroethane (EDC)		36.5	µg/L	1	50.0	<0.327	73	67.8 - 131
Chloroform		41.0	µg/L	1	50.0	<0.345	82	75.1 - 125
1,1,1-Trichloroethane		42.6	µg/L	1	50.0	<0.303	85	72.9 - 123
1,1-Dichloropropene		44.4	µg/L	1	50.0	<0.356	89	85.9 - 119
Benzene		45.0	µg/L	1	50.0	<0.356	90	83.5 - 115
Carbon Tetrachloride		49.7	µg/L	1	50.0	<0.342	99	62.7 - 144
1,2-Dichloropropane	[39]	42.9	µg/L	1	50.0	<0.366	86	88.8 - 114
Trichloroethene (TCE)		50.1	µg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)		48.2	µg/L	1	50.0	<0.406	96	84.2 - 118
Bromodichloromethane		45.2	µg/L	1	50.0	<0.325	90	79.5 - 127
2-Chloroethyl vinyl ether		43.5	µg/L	1	50.0	<0.366	87	75.1 - 128
cis-1,3-Dichloropropene		49.0	µg/L	1	50.0	<0.387	98	83.2 - 119
trans-1,3-Dichloropropene		49.7	µg/L	1	50.0	<0.367	99	77.4 - 126
Toluene		43.5	µg/L	1	50.0	<0.366	87	82 - 110
1,1,2-Trichloroethane		45.5	µg/L	1	50.0	<0.397	91	77 - 123
1,3-Dichloropropane		45.4	µg/L	1	50.0	<0.355	91	81.1 - 124
Dibromochloromethane		52.3	µg/L	1	50.0	<0.315	105	79 - 129
1,2-Dibromoethane (EDB)		51.6	µg/L	1	50.0	<0.340	103	78.6 - 126
Tetrachloroethene (PCE)		51.7	µg/L	1	50.0	<0.355	103	36.7 - 173
Chlorobenzene		47.2	µg/L	1	50.0	<0.363	94	87.9 - 109
1,1,1,2-Tetrachloroethane		50.3	µg/L	1	50.0	<0.338	101	80.5 - 125
Ethylbenzene		45.3	µg/L	1	50.0	<0.350	91	82.4 - 116
m,p-Xylene		91.0	µg/L	1	100	<0.752	91	80 - 119
Bromoform		63.1	µg/L	1	50.0	<0.275	126	75.8 - 132
Styrene		54.4	µg/L	1	50.0	<0.395	109	84.2 - 117

continued ...

[35] Spike recovery out of control limits. Samples non-detect. •
[36] Spike recovery out of control limits. Concentration biased high. •
[37] Spike recovery out of control limits. Concentration biased high. •
[38] Spike recovery out of control limits. Concentration biased high. •
[39] Spike recovery out of control limits. Samples non-detect. •

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
o-Xylene		46.4	µg/L	1	50.0	<0.375	93	82.1 - 119
1,1,2,2-Tetrachloroethane		47.0	µg/L	1	50.0	<0.283	94	69.7 - 124
2-Chlorotoluene		42.6	µg/L	1	50.0	<0.445	85	76.5 - 123
1,2,3-Trichloropropane		47.0	µg/L	1	50.0	<0.430	94	66.3 - 130
Isopropylbenzene		44.0	µg/L	1	50.0	<0.521	88	78.3 - 123
Bromobenzene		43.0	µg/L	1	50.0	<0.494	86	79.9 - 122
n-Propylbenzene		40.3	µg/L	1	50.0	<0.483	81	72.6 - 122
1,3,5-Trimethylbenzene		43.7	µg/L	1	50.0	<0.487	87	69.6 - 127
tert-Butylbenzene		45.0	µg/L	1	50.0	<0.496	90	64 - 129
1,2,4-Trimethylbenzene		45.0	µg/L	1	50.0	<0.532	90	71 - 123
1,4-Dichlorobenzene (para)		46.8	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene		41.7	µg/L	1	50.0	<0.449	83	59.8 - 129
1,3-Dichlorobenzene (meta)		47.8	µg/L	1	50.0	<0.451	96	80.2 - 119
p-Isopropyltoluene		44.6	µg/L	1	50.0	<0.450	89	54.8 - 135
4-Chlorotoluene		43.8	µg/L	1	50.0	<0.489	88	78.9 - 124
1,2-Dichlorobenzene (ortho)		51.1	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene		42.2	µg/L	1	50.0	<0.461	84	51.1 - 136
1,2-Dibromo-3-chloropropane		60.8	µg/L	1	50.0	<0.532	122	38.2 - 151
1,2,3-Trichlorobenzene	[40]	89.8	µg/L	1	50.0	<0.288	180	25.4 - 158
1,2,4-Trichlorobenzene		69.0	µg/L	1	50.0	<0.273	138	38.2 - 140
Naphthalene	[41]	91.0	µg/L	1	50.0	<0.299	182	33.3 - 152
Hexachlorobutadiene		62.0	µg/L	1	50.0	<0.483	124	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		47.7	µg/L	1	50.0	<0.351	95	85.7 - 113	0	20
Dichlorodifluoromethane		45.2	µg/L	1	50.0	<0.306	90	60.3 - 134	2	20
Chloromethane (methyl chloride)	[42]	31.2	µg/L	1	50.0	<0.240	62	72 - 120	1	20
Vinyl Chloride		39.4	µg/L	1	50.0	<0.224	79	64.4 - 132	2	20
Bromomethane (methyl bromide)		39.3	µg/L	1	50.0	<0.325	79	65.9 - 133	2	20
Chloroethane	[43]	32.7	µg/L	1	50.0	<0.303	65	65.3 - 132	4	20
Trichlorofluoromethane		47.3	µg/L	1	50.0	<0.255	95	52.7 - 159	1	20
Acetone		40.1	µg/L	1	50.0	<1.86	80	10 - 185	94	20
Iodomethane (methyl iodide)	[44]	57.0	µg/L	1	50.0	<0.397	114	80.9 - 112	1	20
Carbon Disulfide		47.4	µg/L	1	50.0	<0.354	95	73.7 - 120	0	20
Acrylonitrile		40.5	µg/L	1	50.0	<0.306	81	75.8 - 121	1	20
2-Butanone (MEK)		47.1	µg/L	1	50.0	<0.670	94	43.7 - 117	26	20
4-Methyl-2-pentanone (MIBK)		49.8	µg/L	1	50.0	<0.463	100	69.3 - 120	3	20
2-Hexanone		40.1	µg/L	1	50.0	<0.303	80	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene		47.7	µg/L	1	50.0	<0.407	95	40 - 128	0	20
1,1-Dichloroethene		44.4	µg/L	1	50.0	<0.326	89	83.4 - 114	1	20
Methylene chloride		41.0	µg/L	1	50.0	<0.375	82	62.6 - 119	2	20
MTBE		43.4	µg/L	1	50.0	<0.352	87	70 - 132	0	20
trans-1,2-Dichloroethene		43.0	µg/L	1	50.0	<0.322	86	83.3 - 114	0	20
1,1-Dichloroethane		40.7	µg/L	1	50.0	<0.324	81	81 - 124	0	20

continued ...

[40] Spike recovery out of control limits. Concentration biased high. •
[41] Spike recovery out of control limits. Concentration biased high. •
[42] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[43] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[44] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
cis-1,2-Dichloroethene	43.4	µg/L	1	50.0	<0.331	87	83.8 - 115	0	20
2,2-Dichloropropane	45.7	µg/L	1	50.0	<0.440	91	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	36.6	µg/L	1	50.0	<0.327	73	67.8 - 131	0	20
Chloroform	41.6	µg/L	1	50.0	<0.345	83	75.1 - 125	1	20
1,1,1-Trichloroethane	43.0	µg/L	1	50.0	<0.303	86	72.9 - 123	1	20
1,1-Dichloropropene	45.2	µg/L	1	50.0	<0.356	90	85.9 - 119	2	20
Benzene	45.5	µg/L	1	50.0	<0.356	91	83.5 - 115	1	20
Carbon Tetrachloride	50.7	µg/L	1	50.0	<0.342	101	62.7 - 144	2	20
1,2-Dichloropropane [45]	43.1	µg/L	1	50.0	<0.366	86	88.8 - 114	0	20
Trichloroethene (TCE)	50.9	µg/L	1	50.0	<0.434	102	91.3 - 111	2	20
Dibromomethane (methylene bromide)	48.3	µg/L	1	50.0	<0.406	97	84.2 - 118	0	20
Bromodichloromethane	45.6	µg/L	1	50.0	<0.325	91	79.5 - 127	1	20
2-Chloroethyl vinyl ether	43.7	µg/L	1	50.0	<0.366	87	75.1 - 128	0	20
cis-1,3-Dichloropropene	49.4	µg/L	1	50.0	<0.387	99	83.2 - 119	1	20
trans-1,3-Dichloropropene	49.7	µg/L	1	50.0	<0.367	99	77.4 - 126	0	20
Toluene	44.1	µg/L	1	50.0	<0.366	88	82 - 110	1	20
1,1,2-Trichloroethane	45.8	µg/L	1	50.0	<0.397	92	77 - 123	1	20
1,3-Dichloropropane	45.8	µg/L	1	50.0	<0.355	92	81.1 - 124	1	20
Dibromochloromethane	52.9	µg/L	1	50.0	<0.315	106	79 - 129	1	20
1,2-Dibromoethane (EDB)	51.6	µg/L	1	50.0	<0.340	103	78.6 - 126	0	20
Tetrachloroethene (PCE)	52.7	µg/L	1	50.0	<0.355	105	36.7 - 173	2	20
Chlorobenzene	47.9	µg/L	1	50.0	<0.363	96	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	50.7	µg/L	1	50.0	<0.338	101	80.5 - 125	1	20
Ethylbenzene	45.8	µg/L	1	50.0	<0.350	92	82.4 - 116	1	20
m,p-Xylene	91.4	µg/L	1	100	<0.752	91	80 - 119	0	20
Bromoform	63.6	µg/L	1	50.0	<0.275	127	75.8 - 132	1	20
Styrene	54.8	µg/L	1	50.0	<0.395	110	84.2 - 117	1	20
o-Xylene	46.7	µg/L	1	50.0	<0.375	93	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	47.3	µg/L	1	50.0	<0.283	95	69.7 - 124	1	20
2-Chlorotoluene	42.9	µg/L	1	50.0	<0.445	86	76.5 - 123	1	20
1,2,3-Trichloropropane	47.5	µg/L	1	50.0	<0.430	95	66.3 - 130	1	20
Isopropylbenzene	44.3	µg/L	1	50.0	<0.521	89	78.3 - 123	1	20
Bromobenzene	43.6	µg/L	1	50.0	<0.494	87	79.9 - 122	1	20
n-Propylbenzene	40.7	µg/L	1	50.0	<0.483	81	72.6 - 122	1	20
1,3,5-Trimethylbenzene	44.3	µg/L	1	50.0	<0.487	89	69.6 - 127	1	20
tert-Butylbenzene	45.5	µg/L	1	50.0	<0.496	91	64 - 129	1	20
1,2,4-Trimethylbenzene	45.8	µg/L	1	50.0	<0.532	92	71 - 123	2	20
1,4-Dichlorobenzene (para)	46.9	µg/L	1	50.0	<0.413	94	74 - 118	0	20
sec-Butylbenzene	42.4	µg/L	1	50.0	<0.449	85	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	48.2	µg/L	1	50.0	<0.451	96	80.2 - 119	1	20
p-Isopropyltoluene	45.3	µg/L	1	50.0	<0.450	91	54.8 - 135	2	20
4-Chlorotoluene	44.0	µg/L	1	50.0	<0.489	88	78.9 - 124	0	20
1,2-Dichlorobenzene (ortho)	51.6	µg/L	1	50.0	<0.438	103	80 - 120	1	20
n-Butylbenzene	43.1	µg/L	1	50.0	<0.461	86	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane	61.9	µg/L	1	50.0	<0.532	124	38.2 - 151	2	20
1,2,3-Trichlorobenzene [46]	91.5	µg/L	1	50.0	<0.288	183	25.4 - 158	2	20
1,2,4-Trichlorobenzene	69.8	µg/L	1	50.0	<0.273	140	38.2 - 140	1	20

continued ...

[45] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[46] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	[47]	92.3	µg/L	1	50.0	<0.299	185	33.3 - 152	1	20
Hexachlorobutadiene		62.6	µg/L	1	50.0	<0.483	125	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	44.5	44.3	µg/L	1	50.0	89	89	82.4 - 115
Toluene-d8	49.0	48.6	µg/L	1	50.0	98	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.3	50.3	µg/L	1	50.0	101	101	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39424 Date Analyzed: 2007-07-25 Analyzed By: JG
Prep Batch: 34131 QC Preparation: 2007-07-25 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	48.4	µg/L	1	50.0	<0.351	97	85.7 - 113
Dichlorodifluoromethane	49.1	µg/L	1	50.0	<0.306	98	60.3 - 134
Chloromethane (methyl chloride)	47.8	µg/L	1	50.0	<0.240	96	72 - 120
Vinyl Chloride	49.1	µg/L	1	50.0	<0.224	98	64.4 - 132
Bromomethane (methyl bromide)	50.4	µg/L	1	50.0	<0.325	101	65.9 - 133
Chloroethane	48.4	µg/L	1	50.0	<0.303	97	65.3 - 132
Trichlorofluoromethane	48.2	µg/L	1	50.0	<0.255	96	52.7 - 159
Acetone	37.9	µg/L	1	50.0	<1.86	76	10 - 185
Iodomethane (methyl iodide)	47.4	µg/L	1	50.0	<0.397	95	80.9 - 112
Carbon Disulfide	47.2	µg/L	1	50.0	<0.354	94	73.7 - 120
Acrylonitrile	48.8	µg/L	1	50.0	<0.306	98	75.8 - 121
2-Butanone (MEK)	47.4	µg/L	1	50.0	<0.670	95	43.7 - 117
4-Methyl-2-pentanone (MIBK)	51.3	µg/L	1	50.0	<0.463	103	69.3 - 120
2-Hexanone	52.2	µg/L	1	50.0	<0.303	104	35.6 - 138
trans 1,4-Dichloro-2-butene	50.4	µg/L	1	50.0	<0.407	101	40 - 128
1,1-Dichloroethene	47.2	µg/L	1	50.0	<0.326	94	83.4 - 114
Methylene chloride	44.2	µg/L	1	50.0	<0.375	88	62.6 - 119
MTBE	48.9	µg/L	1	50.0	<0.352	98	70 - 132
trans-1,2-Dichloroethene	46.9	µg/L	1	50.0	<0.322	94	83.3 - 114
1,1-Dichloroethane	48.1	µg/L	1	50.0	<0.324	96	81 - 124
cis-1,2-Dichloroethene	47.1	µg/L	1	50.0	<0.331	94	83.8 - 115
2,2-Dichloropropane	44.0	µg/L	1	50.0	<0.440	88	37.9 - 136
1,2-Dichloroethane (EDC)	48.5	µg/L	1	50.0	<0.327	97	67.8 - 131
Chloroform	47.9	µg/L	1	50.0	<0.345	96	75.1 - 125
1,1,1-Trichloroethane	48.3	µg/L	1	50.0	<0.303	97	72.9 - 123
1,1-Dichloropropene	48.9	µg/L	1	50.0	<0.356	98	85.9 - 119
Benzene	48.2	µg/L	1	50.0	<0.356	96	83.5 - 115
Carbon Tetrachloride	49.2	µg/L	1	50.0	<0.342	98	62.7 - 144
1,2-Dichloropropane	48.2	µg/L	1	50.0	<0.366	96	88.8 - 114
Trichloroethene (TCE)	48.6	µg/L	1	50.0	<0.434	97	91.3 - 111

continued ...

[47] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibromomethane (methylene bromide)	48.6	µg/L	1	50.0	<0.406	97	84.2 - 118
Bromodichloromethane	49.4	µg/L	1	50.0	<0.325	99	79.5 - 127
2-Chloroethyl vinyl ether	49.5	µg/L	1	50.0	<0.366	99	75.1 - 128
cis-1,3-Dichloropropene	50.4	µg/L	1	50.0	<0.387	101	83.2 - 119
trans-1,3-Dichloropropene	50.6	µg/L	1	50.0	<0.367	101	77.4 - 126
Toluene	48.9	µg/L	1	50.0	<0.366	98	82 - 110
1,1,2-Trichloroethane	48.4	µg/L	1	50.0	<0.397	97	77 - 123
1,3-Dichloropropane	49.2	µg/L	1	50.0	<0.355	98	81.1 - 124
Dibromochloromethane	50.8	µg/L	1	50.0	<0.315	102	79 - 129
1,2-Dibromoethane (EDB)	49.4	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	47.4	µg/L	1	50.0	<0.355	95	36.7 - 173
Chlorobenzene	47.9	µg/L	1	50.0	<0.363	96	87.9 - 109
1,1,1,2-Tetrachloroethane	49.2	µg/L	1	50.0	<0.338	98	80.5 - 125
Ethylbenzene	48.3	µg/L	1	50.0	<0.350	97	82.4 - 116
m,p-Xylene	96.4	µg/L	1	100	<0.752	96	80 - 119
Bromoform	52.9	µg/L	1	50.0	<0.275	106	75.8 - 132
Styrene	50.8	µg/L	1	50.0	<0.395	102	84.2 - 117
o-Xylene	49.5	µg/L	1	50.0	<0.375	99	82.1 - 119
1,1,2,2-Tetrachloroethane	48.4	µg/L	1	50.0	<0.283	97	69.7 - 124
2-Chlorotoluene	48.6	µg/L	1	50.0	<0.445	97	76.5 - 123
1,2,3-Trichloropropane	50.0	µg/L	1	50.0	<0.430	100	66.3 - 130
Isopropylbenzene	49.1	µg/L	1	50.0	<0.521	98	78.3 - 123
Bromobenzene	48.7	µg/L	1	50.0	<0.494	97	79.9 - 122
n-Propylbenzene	48.9	µg/L	1	50.0	<0.483	98	72.6 - 122
1,3,5-Trimethylbenzene	48.8	µg/L	1	50.0	<0.487	98	69.6 - 127
tert-Butylbenzene	48.8	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	48.6	µg/L	1	50.0	<0.532	97	71 - 123
1,4-Dichlorobenzene (para)	47.6	µg/L	1	50.0	<0.413	95	74 - 118
sec-Butylbenzene	49.2	µg/L	1	50.0	<0.449	98	59.8 - 129
1,3-Dichlorobenzene (meta)	48.4	µg/L	1	50.0	<0.451	97	80.2 - 119
p-Isopropyltoluene	49.5	µg/L	1	50.0	<0.450	99	54.8 - 135
4-Chlorotoluene	48.8	µg/L	1	50.0	<0.489	98	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.1	µg/L	1	50.0	<0.438	98	80 - 120
n-Butylbenzene	49.8	µg/L	1	50.0	<0.461	100	51.1 - 136
1,2-Dibromo-3-chloropropane	53.2	µg/L	1	50.0	<0.532	106	38.2 - 151
1,2,3-Trichlorobenzene	59.2	µg/L	1	50.0	<0.288	118	25.4 - 158
1,2,4-Trichlorobenzene	54.7	µg/L	1	50.0	<0.273	109	38.2 - 140
Naphthalene	61.4	µg/L	1	50.0	<0.299	123	33.3 - 152
Hexachlorobutadiene	51.3	µg/L	1	50.0	<0.483	103	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.7	µg/L	1	50.0	<0.351	99	85.7 - 113	3	20
Dichlorodifluoromethane	49.4	µg/L	1	50.0	<0.306	99	60.3 - 134	1	20
Chloromethane (methyl chloride)	49.9	µg/L	1	50.0	<0.240	100	72 - 120	4	20
Vinyl Chloride	50.7	µg/L	1	50.0	<0.224	101	64.4 - 132	3	20
Bromomethane (methyl bromide)	52.5	µg/L	1	50.0	<0.325	105	65.9 - 133	4	20
Chloroethane	51.0	µg/L	1	50.0	<0.303	102	65.3 - 132	5	20
Trichlorofluoromethane	50.1	µg/L	1	50.0	<0.255	100	52.7 - 159	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Acetone	38.1	µg/L	1	50.0	<1.86	76	10 - 185	0	20
Iodomethane (methyl iodide)	49.0	µg/L	1	50.0	<0.397	98	80.9 - 112	3	20
Carbon Disulfide	48.5	µg/L	1	50.0	<0.354	97	73.7 - 120	3	20
Acrylonitrile	52.4	µg/L	1	50.0	<0.306	105	75.8 - 121	7	20
2-Butanone (MEK)	50.3	µg/L	1	50.0	<0.670	101	43.7 - 117	6	20
4-Methyl-2-pentanone (MIBK)	52.9	µg/L	1	50.0	<0.463	106	69.3 - 120	3	20
2-Hexanone	55.4	µg/L	1	50.0	<0.303	111	35.6 - 138	6	20
trans 1,4-Dichloro-2-butene	52.6	µg/L	1	50.0	<0.407	105	40 - 128	4	20
1,1-Dichloroethene	48.4	µg/L	1	50.0	<0.326	97	83.4 - 114	2	20
Methylene chloride	45.3	µg/L	1	50.0	<0.375	91	62.6 - 119	2	20
MTBE	51.0	µg/L	1	50.0	<0.352	102	70 - 132	4	20
trans-1,2-Dichloroethene	48.2	µg/L	1	50.0	<0.322	96	83.3 - 114	3	20
1,1-Dichloroethane	48.9	µg/L	1	50.0	<0.324	98	81 - 124	2	20
cis-1,2-Dichloroethene	48.7	µg/L	1	50.0	<0.331	97	83.8 - 115	3	20
2,2-Dichloropropane	44.8	µg/L	1	50.0	<0.440	90	37.9 - 136	2	20
1,2-Dichloroethane (EDC)	49.6	µg/L	1	50.0	<0.327	99	67.8 - 131	2	20
Chloroform	48.9	µg/L	1	50.0	<0.345	98	75.1 - 125	2	20
1,1,1-Trichloroethane	49.7	µg/L	1	50.0	<0.303	99	72.9 - 123	3	20
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.356	100	85.9 - 119	2	20
Benzene	48.9	µg/L	1	50.0	<0.356	98	83.5 - 115	1	20
Carbon Tetrachloride	50.7	µg/L	1	50.0	<0.342	101	62.7 - 144	3	20
1,2-Dichloropropane	48.7	µg/L	1	50.0	<0.366	97	88.8 - 114	1	20
Trichloroethene (TCE)	49.8	µg/L	1	50.0	<0.434	100	91.3 - 111	2	20
Dibromomethane (methylene bromide)	50.1	µg/L	1	50.0	<0.406	100	84.2 - 118	3	20
Bromodichloromethane	51.3	µg/L	1	50.0	<0.325	103	79.5 - 127	4	20
2-Chloroethyl vinyl ether	50.1	µg/L	1	50.0	<0.366	100	75.1 - 128	1	20
cis-1,3-Dichloropropene	51.3	µg/L	1	50.0	<0.387	103	83.2 - 119	2	20
trans-1,3-Dichloropropene	52.0	µg/L	1	50.0	<0.367	104	77.4 - 126	3	20
Toluene	49.6	µg/L	1	50.0	<0.366	99	82 - 110	1	20
1,1,2-Trichloroethane	50.0	µg/L	1	50.0	<0.397	100	77 - 123	3	20
1,3-Dichloropropane	50.0	µg/L	1	50.0	<0.355	100	81.1 - 124	2	20
Dibromochloromethane	52.7	µg/L	1	50.0	<0.315	105	79 - 129	4	20
1,2-Dibromoethane (EDB)	50.8	µg/L	1	50.0	<0.340	102	78.6 - 126	3	20
Tetrachloroethene (PCE)	48.6	µg/L	1	50.0	<0.355	97	36.7 - 173	2	20
Chlorobenzene	48.9	µg/L	1	50.0	<0.363	98	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	50.7	µg/L	1	50.0	<0.338	101	80.5 - 125	3	20
Ethylbenzene	49.3	µg/L	1	50.0	<0.350	99	82.4 - 116	2	20
m,p-Xylene	98.4	µg/L	1	100	<0.752	98	80 - 119	2	20
Bromoform	54.8	µg/L	1	50.0	<0.275	110	75.8 - 132	4	20
Styrene	52.3	µg/L	1	50.0	<0.395	105	84.2 - 117	3	20
o-Xylene	51.0	µg/L	1	50.0	<0.375	102	82.1 - 119	3	20
1,1,2,2-Tetrachloroethane	50.9	µg/L	1	50.0	<0.283	102	69.7 - 124	5	20
2-Chlorotoluene	49.3	µg/L	1	50.0	<0.445	99	76.5 - 123	1	20
1,2,3-Trichloropropane	51.2	µg/L	1	50.0	<0.430	102	66.3 - 130	2	20
Isopropylbenzene	49.6	µg/L	1	50.0	<0.521	99	78.3 - 123	1	20
Bromobenzene	49.0	µg/L	1	50.0	<0.494	98	79.9 - 122	1	20
n-Propylbenzene	49.1	µg/L	1	50.0	<0.483	98	72.6 - 122	0	20
1,3,5-Trimethylbenzene	49.5	µg/L	1	50.0	<0.487	99	69.6 - 127	1	20
tert-Butylbenzene	50.0	µg/L	1	50.0	<0.496	100	64 - 129	2	20
1,2,4-Trimethylbenzene	49.5	µg/L	1	50.0	<0.532	99	71 - 123	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,4-Dichlorobenzene (para)	48.4	µg/L	1	50.0	<0.413	97	74 - 118	2	20
sec-Butylbenzene	49.9	µg/L	1	50.0	<0.449	100	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	49.2	µg/L	1	50.0	<0.451	98	80.2 - 119	2	20
p-Isopropyltoluene	50.5	µg/L	1	50.0	<0.450	101	54.8 - 135	2	20
4-Chlorotoluene	49.4	µg/L	1	50.0	<0.489	99	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	50.4	µg/L	1	50.0	<0.438	101	80 - 120	3	20
n-Butylbenzene	51.3	µg/L	1	50.0	<0.461	103	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	54.4	µg/L	1	50.0	<0.532	109	38.2 - 151	2	20
1,2,3-Trichlorobenzene	62.7	µg/L	1	50.0	<0.288	125	25.4 - 158	6	20
1,2,4-Trichlorobenzene	57.4	µg/L	1	50.0	<0.273	115	38.2 - 140	5	20
Naphthalene	65.6	µg/L	1	50.0	<0.299	131	33.3 - 152	7	20
Hexachlorobutadiene	53.0	µg/L	1	50.0	<0.483	106	49.1 - 134	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.6	49.3	µg/L	1	50.0	99	99	82.4 - 115
Toluene-d8	49.5	48.9	µg/L	1	50.0	99	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.4	50.2	µg/L	1	50.0	101	100	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 126993

QC Batch: 38089 Date Analyzed: 2007-06-11 Analyzed By: JG
Prep Batch: 32977 QC Preparation: 2007-06-11 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	54.2	µg/L	1	50.0	<0.0699	108	82.5 - 118
Dichlorodifluoromethane	57.0	µg/L	1	50.0	<0.0598	114	46.8 - 125
Chloromethane (methyl chloride)	54.0	µg/L	1	50.0	<0.230	108	67.1 - 127
Vinyl Chloride	57.0	µg/L	1	50.0	<0.0902	114	63.7 - 129
Bromomethane (methyl bromide)	47.5	µg/L	1	50.0	<0.740	95	65.7 - 127
Chloroethane	53.7	µg/L	1	50.0	<0.195	107	69.9 - 131
Trichlorofluoromethane	56.1	µg/L	1	50.0	<0.160	112	60.2 - 134
Acetone	37.4	µg/L	1	50.0	<0.854	75	12.1 - 136
Iodomethane (methyl iodide)	55.0	µg/L	1	50.0	<0.112	110	75.7 - 115
Carbon Disulfide	52.8	µg/L	1	50.0	<0.0764	106	67.6 - 131
Acrylonitrile	59.9	µg/L	1	50.0	<0.184	120	79.9 - 131
2-Butanone (MEK)	45.5	µg/L	1	50.0	<0.394	91	28.7 - 137
4-Methyl-2-pentanone (MIBK)	55.6	µg/L	1	50.0	<0.484	111	77.1 - 122
2-Hexanone	54.9	µg/L	1	50.0	<0.0975	110	42.3 - 145
trans 1,4-Dichloro-2-butene	50.5	µg/L	1	50.0	<0.421	101	38.5 - 122
1,1-Dichloroethene	55.2	µg/L	1	50.0	<0.0736	110	78.7 - 119
Methylene chloride	47.4	µg/L	1	50.0	<0.689	95	64.9 - 121
MTBE	55.6	µg/L	1	50.0	<0.0504	111	46.6 - 162
trans-1,2-Dichloroethene	53.8	µg/L	1	50.0	<0.0598	108	75.1 - 119
1,1-Dichloroethane	55.2	µg/L	1	50.0	<0.0299	110	86.3 - 119
cis-1,2-Dichloroethene	54.0	µg/L	1	50.0	<0.101	108	82.6 - 116
2,2-Dichloropropane	43.6	µg/L	1	50.0	<0.0665	87	7.8 - 109

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dichloroethane (EDC)	56.1	µg/L	1	50.0	<0.0557	112	82.7 - 130
Chloroform	54.3	µg/L	1	50.0	<0.0475	109	83.6 - 119
1,1,1-Trichloroethane	57.1	µg/L	1	50.0	<0.0846	114	69.6 - 126
1,1-Dichloropropene	56.5	µg/L	1	50.0	<0.0423	113	79.2 - 121
Benzene	53.0	µg/L	1	50.0	<0.0495	106	75.8 - 125
Carbon Tetrachloride	57.2	µg/L	1	50.0	<0.121	114	58.7 - 143
1,2-Dichloropropane	55.0	µg/L	1	50.0	<0.0933	110	88.4 - 117
Trichloroethene (TCE)	56.2	µg/L	1	50.0	<0.0495	112	83.6 - 112
Dibromomethane (methylene bromide)	55.7	µg/L	1	50.0	<0.0640	111	90.7 - 117
Bromodichloromethane	56.4	µg/L	1	50.0	<0.0651	113	83.4 - 127
2-Chloroethyl vinyl ether	53.3	µg/L	1	50.0	<0.0905	107	10 - 211
cis-1,3-Dichloropropene	54.7	µg/L	1	50.0	<0.0640	109	78.6 - 113
trans-1,3-Dichloropropene	55.9	µg/L	1	50.0	<0.0504	112	81.8 - 113
Toluene	54.6	µg/L	1	50.0	<0.0736	109	81.6 - 115
1,1,2-Trichloroethane	50.8	µg/L	1	50.0	<0.106	102	83.2 - 122
1,3-Dichloropropane	51.1	µg/L	1	50.0	<0.0625	102	87.3 - 123
Dibromochloromethane	54.2	µg/L	1	50.0	<0.0791	108	81.4 - 130
1,2-Dibromoethane (EDB)	54.2	µg/L	1	50.0	<0.0460	108	91.4 - 118
Tetrachloroethene (PCE)	49.5	µg/L	1	50.0	<0.0696	99	51.8 - 111
Chlorobenzene	51.9	µg/L	1	50.0	<0.0217	104	83.9 - 113
1,1,1,2-Tetrachloroethane	52.9	µg/L	1	50.0	<0.125	106	79.5 - 127
Ethylbenzene	51.8	µg/L	1	50.0	<0.0566	104	75.4 - 121
m,p-Xylene	104	µg/L	1	100	<0.0363	104	74 - 124
Bromoform	57.7	µg/L	1	50.0	<0.0859	115	77.5 - 134
Styrene	53.8	µg/L	1	50.0	<0.0394	108	10 - 180
o-Xylene	52.9	µg/L	1	50.0	<0.0504	106	75.4 - 126
1,1,2,2-Tetrachloroethane	53.0	µg/L	1	50.0	<0.0672	106	86.4 - 122
2-Chlorotoluene	50.2	µg/L	1	50.0	<0.0283	100	69.2 - 128
1,2,3-Trichloropropane	48.1	µg/L	1	50.0	<0.0679	96	75.8 - 121
Isopropylbenzene	50.3	µg/L	1	50.0	<0.0406	101	69.6 - 127
Bromobenzene	49.1	µg/L	1	50.0	<0.103	98	77.1 - 125
n-Propylbenzene	48.4	µg/L	1	50.0	<0.0423	97	67.1 - 125
1,3,5-Trimethylbenzene	49.6	µg/L	1	50.0	<0.0557	99	66.1 - 126
tert-Butylbenzene	50.5	µg/L	1	50.0	<0.0770	101	63.9 - 126
1,2,4-Trimethylbenzene	49.9	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	50.4	µg/L	1	50.0	<0.0672	101	66.7 - 119
sec-Butylbenzene	49.3	µg/L	1	50.0	<0.0439	99	57.6 - 127
1,3-Dichlorobenzene (meta)	51.6	µg/L	1	50.0	<0.0672	103	78.8 - 118
p-Isopropyltoluene	51.0	µg/L	1	50.0	<0.0513	102	56.6 - 128
4-Chlorotoluene	50.6	µg/L	1	50.0	<0.0460	101	74 - 127
1,2-Dichlorobenzene (ortho)	52.7	µg/L	1	50.0	<0.0629	105	81.2 - 119
n-Butylbenzene	50.3	µg/L	1	50.0	<0.0400	101	50.4 - 130
1,2-Dibromo-3-chloropropane	46.6	µg/L	1	50.0	<0.538	93	55.7 - 152
1,2,3-Trichlorobenzene	40.7	µg/L	1	50.0	<0.504	81	32.6 - 149
1,2,4-Trichlorobenzene	47.6	µg/L	1	50.0	<0.166	95	35.8 - 144
Naphthalene	41.4	µg/L	1	50.0	<0.417	83	36.7 - 156
Hexachlorobutadiene	51.1	µg/L	1	50.0	<0.176	102	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane [48]	<0.0699	µg/L	1	50.0	<0.0699	0	82.5 - 118	200	20
Dichlorodifluoromethane	<0.0598	µg/L	1	50.0	<0.0598	0	46.8 - 125	200	20
Chloromethane (methyl chloride)	<0.230	µg/L	1	50.0	<0.230	0	67.1 - 127	200	20
Vinyl Chloride	<0.0902	µg/L	1	50.0	<0.0902	0	63.7 - 129	200	20
Bromomethane (methyl bromide)	<0.740	µg/L	1	50.0	<0.740	0	65.7 - 127	200	20
Chloroethane	<0.195	µg/L	1	50.0	<0.195	0	69.9 - 131	200	20
Trichlorofluoromethane	<0.160	µg/L	1	50.0	<0.160	0	60.2 - 134	200	20
Acetone	<0.854	µg/L	1	50.0	<0.854	0	12.1 - 136	200	20
Iodomethane (methyl iodide)	<0.112	µg/L	1	50.0	<0.112	0	75.7 - 115	200	20
Carbon Disulfide	<0.0764	µg/L	1	50.0	<0.0764	0	67.6 - 131	200	20
Acrylonitrile	<0.184	µg/L	1	50.0	<0.184	0	79.9 - 131	200	20
2-Butanone (MEK)	<0.394	µg/L	1	50.0	<0.394	0	28.7 - 137	200	20
4-Methyl-2-pentanone (MIBK)	<0.484	µg/L	1	50.0	<0.484	0	77.1 - 122	200	20
2-Hexanone	<0.0975	µg/L	1	50.0	<0.0975	0	42.3 - 145	200	20
trans 1,4-Dichloro-2-butene	<0.421	µg/L	1	50.0	<0.421	0	38.5 - 122	200	20
1,1-Dichloroethene	<0.0736	µg/L	1	50.0	<0.0736	0	78.7 - 119	200	20
Methylene chloride	<0.689	µg/L	1	50.0	<0.689	0	64.9 - 121	200	20
MTBE	<0.0504	µg/L	1	50.0	<0.0504	0	46.6 - 162	200	20
trans-1,2-Dichloroethene	<0.0598	µg/L	1	50.0	<0.0598	0	75.1 - 119	200	20
1,1-Dichloroethane	<0.0299	µg/L	1	50.0	<0.0299	0	86.3 - 119	200	20
cis-1,2-Dichloroethene	<0.101	µg/L	1	50.0	<0.101	0	82.6 - 116	200	20
2,2-Dichloropropane	<0.0665	µg/L	1	50.0	<0.0665	0	7.8 - 109	200	20
1,2-Dichloroethane (EDC)	<0.0557	µg/L	1	50.0	<0.0557	0	82.7 - 130	200	20
Chloroform	<0.0475	µg/L	1	50.0	<0.0475	0	83.6 - 119	200	20
1,1,1-Trichloroethane	<0.0846	µg/L	1	50.0	<0.0846	0	69.6 - 126	200	20
1,1-Dichloropropene	<0.0423	µg/L	1	50.0	<0.0423	0	79.2 - 121	200	20
Benzene	<0.0495	µg/L	1	50.0	<0.0495	0	75.8 - 125	200	20
Carbon Tetrachloride	<0.121	µg/L	1	50.0	<0.121	0	58.7 - 143	200	20
1,2-Dichloropropane	<0.0933	µg/L	1	50.0	<0.0933	0	88.4 - 117	200	20
Trichloroethene (TCE)	<0.0495	µg/L	1	50.0	<0.0495	0	83.6 - 112	200	20
Dibromomethane (methylene bromide)	<0.0640	µg/L	1	50.0	<0.0640	0	90.7 - 117	200	20
Bromodichloromethane	<0.0651	µg/L	1	50.0	<0.0651	0	83.4 - 127	200	20
2-Chloroethyl vinyl ether	<0.0905	µg/L	1	50.0	<0.0905	0	10 - 211	200	20
cis-1,3-Dichloropropene	<0.0640	µg/L	1	50.0	<0.0640	0	78.6 - 113	200	20
trans-1,3-Dichloropropene	<0.0504	µg/L	1	50.0	<0.0504	0	81.8 - 113	200	20
Toluene	<0.0736	µg/L	1	50.0	<0.0736	0	81.6 - 115	200	20
1,1,2-Trichloroethane	<0.106	µg/L	1	50.0	<0.106	0	83.2 - 122	200	20
1,3-Dichloropropane	<0.0625	µg/L	1	50.0	<0.0625	0	87.3 - 123	200	20
Dibromochloromethane	<0.0791	µg/L	1	50.0	<0.0791	0	81.4 - 130	200	20
1,2-Dibromoethane (EDB)	<0.0460	µg/L	1	50.0	<0.0460	0	91.4 - 118	200	20
Tetrachloroethene (PCE)	<0.0696	µg/L	1	50.0	<0.0696	0	51.8 - 111	200	20
Chlorobenzene	<0.0217	µg/L	1	50.0	<0.0217	0	83.9 - 113	200	20
1,1,1,2-Tetrachloroethane	<0.125	µg/L	1	50.0	<0.125	0	79.5 - 127	200	20
Ethylbenzene	<0.0566	µg/L	1	50.0	<0.0566	0	75.4 - 121	200	20
m,p-Xylene	<0.0363	µg/L	1	100	<0.0363	0	74 - 124	200	20
Bromoform	<0.0859	µg/L	1	50.0	<0.0859	0	77.5 - 134	200	20
Styrene	<0.0394	µg/L	1	50.0	<0.0394	0	10 - 180	200	20
o-Xylene	<0.0504	µg/L	1	50.0	<0.0504	0	75.4 - 126	200	20
1,1,2,2-Tetrachloroethane	<0.0672	µg/L	1	50.0	<0.0672	0	86.4 - 122	200	20
2-Chlorotoluene	<0.0283	µg/L	1	50.0	<0.0283	0	69.2 - 128	200	20

continued . . .

[48] MSD not ran due to sample availability. •

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,3-Trichloropropane	<0.0679	µg/L	1	50.0	<0.0679	0	75.8 - 121	200	20
Isopropylbenzene	<0.0406	µg/L	1	50.0	<0.0406	0	69.6 - 127	200	20
Bromobenzene	<0.103	µg/L	1	50.0	<0.103	0	77.1 - 125	200	20
n-Propylbenzene	<0.0423	µg/L	1	50.0	<0.0423	0	67.1 - 125	200	20
1,3,5-Trimethylbenzene	<0.0557	µg/L	1	50.0	<0.0557	0	66.1 - 126	200	20
tert-Butylbenzene	<0.0770	µg/L	1	50.0	<0.0770	0	63.9 - 126	200	20
1,2,4-Trimethylbenzene	<0.0336	µg/L	1	50.0	<0.0336	0	65 - 123	200	20
1,4-Dichlorobenzene (para)	<0.0672	µg/L	1	50.0	<0.0672	0	66.7 - 119	200	20
sec-Butylbenzene	<0.0439	µg/L	1	50.0	<0.0439	0	57.6 - 127	200	20
1,3-Dichlorobenzene (meta)	<0.0672	µg/L	1	50.0	<0.0672	0	78.8 - 118	200	20
p-Isopropyltoluene	<0.0513	µg/L	1	50.0	<0.0513	0	56.6 - 128	200	20
4-Chlorotoluene	<0.0460	µg/L	1	50.0	<0.0460	0	74 - 127	200	20
1,2-Dichlorobenzene (ortho)	<0.0629	µg/L	1	50.0	<0.0629	0	81.2 - 119	200	20
n-Butylbenzene	<0.0400	µg/L	1	50.0	<0.0400	0	50.4 - 130	200	20
1,2-Dibromo-3-chloropropane	<0.538	µg/L	1	50.0	<0.538	0	55.7 - 152	200	20
1,2,3-Trichlorobenzene	<0.504	µg/L	1	50.0	<0.504	0	32.6 - 149	200	20
1,2,4-Trichlorobenzene	<0.166	µg/L	1	50.0	<0.166	0	35.8 - 144	200	20
Naphthalene	<0.417	µg/L	1	50.0	<0.417	0	36.7 - 156	200	20
Hexachlorobutadiene	<0.176	µg/L	1	50.0	<0.176	0	39.6 - 125	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.6	0.00	µg/L	1	50	105	0	86.6 - 114
Toluene-d8	48.1	0.00	µg/L	1	50	96	0	91 - 109
4-Bromofluorobenzene (4-BFB)	52.2	0.00	µg/L	1	50	104	0	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 127194

QC Batch: 38189 Date Analyzed: 2007-06-13 Analyzed By: JG
Prep Batch: 33060 QC Preparation: 2007-06-13 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	48.2	µg/L	1	50.0	<0.0699	96	82.5 - 118
Dichlorodifluoromethane	39.8	µg/L	1	50.0	<0.0598	80	46.8 - 125
Chloromethane (methyl chloride)	41.0	µg/L	1	50.0	<0.230	82	67.1 - 127
Vinyl Chloride	43.4	µg/L	1	50.0	<0.0902	87	63.7 - 129
Bromomethane (methyl bromide)	40.3	µg/L	1	50.0	<0.740	81	65.7 - 127
Chloroethane	44.0	µg/L	1	50.0	<0.195	88	69.9 - 131
Trichlorofluoromethane	39.7	µg/L	1	50.0	<0.160	79	60.2 - 134
Acetone	36.6	µg/L	1	50.0	<0.854	73	12.1 - 136
Iodomethane (methyl iodide)	48.3	µg/L	1	50.0	<0.112	97	75.7 - 115
Carbon Disulfide	42.7	µg/L	1	50.0	<0.0764	85	67.6 - 131
Acrylonitrile	50.8	µg/L	1	50.0	<0.184	102	79.9 - 131
2-Butanone (MEK)	38.8	µg/L	1	50.0	<0.394	78	28.7 - 137
4-Methyl-2-pentanone (MIBK)	48.9	µg/L	1	50.0	<0.484	98	77.1 - 122
2-Hexanone	44.3	µg/L	1	50.0	<0.0975	89	42.3 - 145
trans 1,4-Dichloro-2-butene	37.5	µg/L	1	50.0	<0.421	75	38.5 - 122

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	45.9	µg/L	1	50.0	<0.0736	92	78.7 - 119
Methylene chloride	39.2	µg/L	1	50.0	<0.689	78	64.9 - 121
MTBE	45.6	µg/L	1	50.0	<0.0504	91	46.6 - 162
trans-1,2-Dichloroethene	46.1	µg/L	1	50.0	<0.0598	92	75.1 - 119
1,1-Dichloroethane	46.2	µg/L	1	50.0	<0.0299	92	86.3 - 119
cis-1,2-Dichloroethene	46.7	µg/L	1	50.0	<0.101	93	82.6 - 116
2,2-Dichloropropane	25.7	µg/L	1	50.0	<0.0665	51	7.8 - 109
1,2-Dichloroethane (EDC)	43.9	µg/L	1	50.0	<0.0557	88	82.7 - 130
Chloroform	44.4	µg/L	1	50.0	<0.0475	89	83.6 - 119
1,1,1-Trichloroethane	46.8	µg/L	1	50.0	<0.0846	94	69.6 - 126
1,1-Dichloropropene	48.4	µg/L	1	50.0	<0.0423	97	79.2 - 121
Benzene	47.8	µg/L	1	50.0	<0.0495	96	75.8 - 125
Carbon Tetrachloride	49.2	µg/L	1	50.0	<0.121	98	58.7 - 143
1,2-Dichloropropane	50.7	µg/L	1	50.0	<0.0933	101	88.4 - 117
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.0495	104	83.6 - 112
Dibromomethane (methylene bromide)	48.8	µg/L	1	50.0	<0.0640	98	90.7 - 117
Bromodichloromethane	48.6	µg/L	1	50.0	<0.0651	97	83.4 - 127
2-Chloroethyl vinyl ether	49.2	µg/L	1	50.0	<0.0905	98	10 - 211
cis-1,3-Dichloropropene	46.0	µg/L	1	50.0	<0.0640	92	78.6 - 113
trans-1,3-Dichloropropene	45.4	µg/L	1	50.0	<0.0504	91	81.8 - 113
Toluene	48.5	µg/L	1	50.0	<0.0736	97	81.6 - 115
1,1,2-Trichloroethane	47.6	µg/L	1	50.0	<0.106	95	83.2 - 122
1,3-Dichloropropane	46.9	µg/L	1	50.0	<0.0625	94	87.3 - 123
Dibromochloromethane	52.5	µg/L	1	50.0	<0.0791	105	81.4 - 130
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)	47.1	µg/L	1	50.0	<0.0696	94	51.8 - 111
Chlorobenzene	49.8	µg/L	1	50.0	<0.0217	100	83.9 - 113
1,1,1,2-Tetrachloroethane	50.8	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene	47.3	µg/L	1	50.0	<0.0566	95	75.4 - 121
m,p-Xylene	94.3	µg/L	1	100	<0.0363	94	74 - 124
Bromoform	57.2	µg/L	1	50.0	<0.0859	114	77.5 - 134
Styrene	48.2	µg/L	1	50.0	<0.0394	96	10 - 180
o-Xylene	47.9	µg/L	1	50.0	<0.0504	96	75.4 - 126
1,1,2,2-Tetrachloroethane	47.9	µg/L	1	50.0	<0.0672	96	86.4 - 122
2-Chlorotoluene	46.0	µg/L	1	50.0	<0.0283	92	69.2 - 128
1,2,3-Trichloropropane	45.0	µg/L	1	50.0	<0.0679	90	75.8 - 121
Isopropylbenzene	46.2	µg/L	1	50.0	<0.0406	92	69.6 - 127
Bromobenzene	45.9	µg/L	1	50.0	<0.103	92	77.1 - 125
n-Propylbenzene	43.0	µg/L	1	50.0	<0.0423	86	67.1 - 125
1,3,5-Trimethylbenzene	44.7	µg/L	1	50.0	<0.0557	89	66.1 - 126
tert-Butylbenzene	45.5	µg/L	1	50.0	<0.0770	91	63.9 - 126
1,2,4-Trimethylbenzene	45.0	µg/L	1	50.0	<0.0336	90	65 - 123
1,4-Dichlorobenzene (para)	48.5	µg/L	1	50.0	<0.0672	97	66.7 - 119
sec-Butylbenzene	43.4	µg/L	1	50.0	<0.0439	87	57.6 - 127
1,3-Dichlorobenzene (meta)	48.7	µg/L	1	50.0	<0.0672	97	78.8 - 118
p-Isopropyltoluene	45.4	µg/L	1	50.0	<0.0513	91	56.6 - 128
4-Chlorotoluene	46.7	µg/L	1	50.0	<0.0460	93	74 - 127
1,2-Dichlorobenzene (ortho)	51.6	µg/L	1	50.0	<0.0629	103	81.2 - 119
n-Butylbenzene	44.0	µg/L	1	50.0	<0.0400	88	50.4 - 130
1,2-Dibromo-3-chloropropane	46.4	µg/L	1	50.0	<0.538	93	55.7 - 152

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2,3-Trichlorobenzene	40.5	µg/L	1	50.0	<0.504	81	32.6 - 149
1,2,4-Trichlorobenzene	45.4	µg/L	1	50.0	<0.166	91	35.8 - 144
Naphthalene	44.2	µg/L	1	50.0	<0.417	88	36.7 - 156
Hexachlorobutadiene	53.3	µg/L	1	50.0	<0.176	107	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.2	µg/L	1	50.0	<0.0699	98	82.5 - 118	2	20
Dichlorodifluoromethane	39.1	µg/L	1	50.0	<0.0598	78	46.8 - 125	2	20
Chloromethane (methyl chloride)	41.7	µg/L	1	50.0	<0.230	83	67.1 - 127	2	20
Vinyl Chloride	43.3	µg/L	1	50.0	<0.0902	87	63.7 - 129	0	20
Bromomethane (methyl bromide)	40.6	µg/L	1	50.0	<0.740	81	65.7 - 127	1	20
Chloroethane	44.2	µg/L	1	50.0	<0.195	88	69.9 - 131	0	20
Trichlorofluoromethane	40.0	µg/L	1	50.0	<0.160	80	60.2 - 134	1	20
Acetone	36.2	µg/L	1	50.0	<0.854	72	12.1 - 136	1	20
Iodomethane (methyl iodide)	49.2	µg/L	1	50.0	<0.112	98	75.7 - 115	2	20
Carbon Disulfide	42.2	µg/L	1	50.0	<0.0764	84	67.6 - 131	1	20
Acrylonitrile	51.6	µg/L	1	50.0	<0.184	103	79.9 - 131	2	20
2-Butanone (MEK)	40.8	µg/L	1	50.0	<0.394	82	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	50.8	µg/L	1	50.0	<0.484	102	77.1 - 122	4	20
2-Hexanone	46.1	µg/L	1	50.0	<0.0975	92	42.3 - 145	4	20
trans 1,4-Dichloro-2-butene	38.8	µg/L	1	50.0	<0.421	78	38.5 - 122	3	20
1,1-Dichloroethene	47.1	µg/L	1	50.0	<0.0736	94	78.7 - 119	3	20
Methylene chloride	40.1	µg/L	1	50.0	<0.689	80	64.9 - 121	2	20
MTBE	46.6	µg/L	1	50.0	<0.0504	93	46.6 - 162	2	20
trans-1,2-Dichloroethene	46.7	µg/L	1	50.0	<0.0598	93	75.1 - 119	1	20
1,1-Dichloroethane	47.3	µg/L	1	50.0	<0.0299	95	86.3 - 119	2	20
cis-1,2-Dichloroethene	47.8	µg/L	1	50.0	<0.101	96	82.6 - 116	2	20
2,2-Dichloropropane	26.2	µg/L	1	50.0	<0.0665	52	7.8 - 109	2	20
1,2-Dichloroethane (EDC)	44.6	µg/L	1	50.0	<0.0557	89	82.7 - 130	2	20
Chloroform	45.3	µg/L	1	50.0	<0.0475	91	83.6 - 119	2	20
1,1,1-Trichloroethane	47.7	µg/L	1	50.0	<0.0846	95	69.6 - 126	2	20
1,1-Dichloropropene	49.7	µg/L	1	50.0	<0.0423	99	79.2 - 121	3	20
Benzene	48.5	µg/L	1	50.0	<0.0495	97	75.8 - 125	1	20
Carbon Tetrachloride	51.7	µg/L	1	50.0	<0.121	103	58.7 - 143	5	20
1,2-Dichloropropane	49.6	µg/L	1	50.0	<0.0933	99	88.4 - 117	2	20
Trichloroethene (TCE)	53.2	µg/L	1	50.0	<0.0495	106	83.6 - 112	2	20
Dibromomethane (methylene bromide)	49.9	µg/L	1	50.0	<0.0640	100	90.7 - 117	2	20
Bromodichloromethane	50.6	µg/L	1	50.0	<0.0651	101	83.4 - 127	4	20
2-Chloroethyl vinyl ether	48.1	µg/L	1	50.0	<0.0905	96	10 - 211	2	20
cis-1,3-Dichloropropene	47.2	µg/L	1	50.0	<0.0640	94	78.6 - 113	3	20
trans-1,3-Dichloropropene	47.2	µg/L	1	50.0	<0.0504	94	81.8 - 113	4	20
Toluene	49.7	µg/L	1	50.0	<0.0736	99	81.6 - 115	2	20
1,1,2-Trichloroethane	48.8	µg/L	1	50.0	<0.106	98	83.2 - 122	2	20
1,3-Dichloropropane	48.5	µg/L	1	50.0	<0.0625	97	87.3 - 123	3	20
Dibromochloromethane	54.5	µg/L	1	50.0	<0.0791	109	81.4 - 130	4	20
1,2-Dibromoethane (EDB)	53.2	µg/L	1	50.0	<0.0460	106	91.4 - 118	3	20
Tetrachloroethene (PCE)	48.0	µg/L	1	50.0	<0.0696	96	51.8 - 111	2	20
Chlorobenzene	50.7	µg/L	1	50.0	<0.0217	101	83.9 - 113	2	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	52.4	µg/L	1	50.0	<0.125	105	79.5 - 127	3	20
Ethylbenzene	48.4	µg/L	1	50.0	<0.0566	97	75.4 - 121	2	20
m,p-Xylene	96.6	µg/L	1	100	<0.0363	97	74 - 124	2	20
Bromoform	59.8	µg/L	1	50.0	<0.0859	120	77.5 - 134	4	20
Styrene	49.2	µg/L	1	50.0	<0.0394	98	10 - 180	2	20
o-Xylene	49.0	µg/L	1	50.0	<0.0504	98	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane	49.1	µg/L	1	50.0	<0.0672	98	86.4 - 122	2	20
2-Chlorotoluene	47.4	µg/L	1	50.0	<0.0283	95	69.2 - 128	3	20
1,2,3-Trichloropropane	46.3	µg/L	1	50.0	<0.0679	93	75.8 - 121	3	20
Isopropylbenzene	47.9	µg/L	1	50.0	<0.0406	96	69.6 - 127	4	20
Bromobenzene	47.0	µg/L	1	50.0	<0.103	94	77.1 - 125	2	20
n-Propylbenzene	44.4	µg/L	1	50.0	<0.0423	89	67.1 - 125	3	20
1,3,5-Trimethylbenzene	45.9	µg/L	1	50.0	<0.0557	92	66.1 - 126	3	20
tert-Butylbenzene	46.6	µg/L	1	50.0	<0.0770	93	63.9 - 126	2	20
1,2,4-Trimethylbenzene	45.9	µg/L	1	50.0	<0.0336	92	65 - 123	2	20
1,4-Dichlorobenzene (para)	49.4	µg/L	1	50.0	<0.0672	99	66.7 - 119	2	20
sec-Butylbenzene	44.5	µg/L	1	50.0	<0.0439	89	57.6 - 127	2	20
1,3-Dichlorobenzene (meta)	49.9	µg/L	1	50.0	<0.0672	100	78.8 - 118	2	20
p-Isopropyltoluene	46.1	µg/L	1	50.0	<0.0513	92	56.6 - 128	2	20
4-Chlorotoluene	48.1	µg/L	1	50.0	<0.0460	96	74 - 127	3	20
1,2-Dichlorobenzene (ortho)	52.6	µg/L	1	50.0	<0.0629	105	81.2 - 119	2	20
n-Butylbenzene	44.8	µg/L	1	50.0	<0.0400	90	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane	45.9	µg/L	1	50.0	<0.538	92	55.7 - 152	1	20
1,2,3-Trichlorobenzene	47.1	µg/L	1	50.0	<0.504	94	32.6 - 149	15	20
1,2,4-Trichlorobenzene	49.7	µg/L	1	50.0	<0.166	99	35.8 - 144	9	20
Naphthalene	50.8	µg/L	1	50.0	<0.417	102	36.7 - 156	14	20
Hexachlorobutadiene	55.7	µg/L	1	50.0	<0.176	111	39.6 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	44.2	44.1	µg/L	1	50	88	88	86.6 - 114
Toluene-d8	45.8	45.6	µg/L	1	50	92	91	91 - 109
4-Bromofluorobenzene (4-BFB)	44.6	44.6	µg/L	1	50	89	89	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 127195

QC Batch: 38244 | Date Analyzed: 2007-06-16 | Analyzed By: KB
Prep Batch: 33107 | QC Preparation: 2007-06-16 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	53.6	µg/L	1	50.0	<0.0699	107	82.5 - 118
Dichlorodifluoromethane	48.3	µg/L	1	50.0	<0.0598	97	46.8 - 125
Chloromethane (methyl chloride)	50.8	µg/L	1	50.0	<0.230	102	67.1 - 127
Vinyl Chloride	50.5	µg/L	1	50.0	<0.0902	101	63.7 - 129
Bromomethane (methyl bromide)	49.9	µg/L	1	50.0	<0.740	100	65.7 - 127
Chloroethane	51.0	µg/L	1	50.0	<0.195	102	69.9 - 131
Trichlorofluoromethane	60.2	µg/L	1	50.0	<0.160	120	60.2 - 134

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acetone	45.8	µg/L	1	50.0	<0.854	92	12.1 - 136
Iodomethane (methyl iodide)	53.9	µg/L	1	50.0	<0.112	108	75.7 - 115
Carbon Disulfide	49.5	µg/L	1	50.0	<0.0764	99	67.6 - 131
Acrylonitrile	55.4	µg/L	1	50.0	<0.184	111	79.9 - 131
2-Butanone (MEK)	50.6	µg/L	1	50.0	<0.394	101	28.7 - 137
4-Methyl-2-pentanone (MIBK)	50.6	µg/L	1	50.0	<0.484	101	77.1 - 122
2-Hexanone	53.7	µg/L	1	50.0	<0.0975	107	42.3 - 145
trans 1,4-Dichloro-2-butene	52.9	µg/L	1	50.0	<0.421	106	38.5 - 122
1,1-Dichloroethene	53.7	µg/L	1	50.0	<0.0736	107	78.7 - 119
Methylene chloride	54.8	µg/L	1	50.0	<0.689	110	64.9 - 121
MTBE	55.1	µg/L	1	50.0	<0.0504	110	46.6 - 162
trans-1,2-Dichloroethene	54.3	µg/L	1	50.0	<0.0598	109	75.1 - 119
1,1-Dichloroethane	54.4	µg/L	1	50.0	<0.0299	109	86.3 - 119
cis-1,2-Dichloroethene	56.5	µg/L	1	50.0	<0.101	113	82.6 - 116
2,2-Dichloropropane	49.2	µg/L	1	50.0	<0.0665	98	7.8 - 109
1,2-Dichloroethane (EDC)	56.8	µg/L	1	50.0	<0.0557	114	82.7 - 130
Chloroform	55.7	µg/L	1	50.0	<0.0475	111	83.6 - 119
1,1,1-Trichloroethane	56.4	µg/L	1	50.0	<0.0846	113	69.6 - 126
1,1-Dichloropropene	51.4	µg/L	1	50.0	<0.0423	103	79.2 - 121
Benzene	52.2	µg/L	1	50.0	<0.0495	104	75.8 - 125
Carbon Tetrachloride	53.1	µg/L	1	50.0	<0.121	106	58.7 - 143
1,2-Dichloropropane	51.9	µg/L	1	50.0	<0.0933	104	88.4 - 117
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.0495	101	83.6 - 112
Dibromomethane (methylene bromide)	52.7	µg/L	1	50.0	<0.0640	105	90.7 - 117
Bromodichloromethane	54.0	µg/L	1	50.0	<0.0651	108	83.4 - 127
2-Chloroethyl vinyl ether	52.7	µg/L	1	50.0	<0.0905	105	10 - 211
cis-1,3-Dichloropropene	52.9	µg/L	1	50.0	<0.0640	106	78.6 - 113
trans-1,3-Dichloropropene	53.0	µg/L	1	50.0	<0.0504	106	81.8 - 113
Toluene	49.3	µg/L	1	50.0	<0.0736	99	81.6 - 115
1,1,2-Trichloroethane	51.8	µg/L	1	50.0	<0.106	104	83.2 - 122
1,3-Dichloropropane	50.5	µg/L	1	50.0	<0.0625	101	87.3 - 123
Dibromochloromethane	51.8	µg/L	1	50.0	<0.0791	104	81.4 - 130
1,2-Dibromoethane (EDB)	50.6	µg/L	1	50.0	<0.0460	101	91.4 - 118
Tetrachloroethene (PCE)	47.9	µg/L	1	50.0	<0.0696	96	51.8 - 111
Chlorobenzene	50.2	µg/L	1	50.0	<0.0217	100	83.9 - 113
1,1,1,2-Tetrachloroethane	51.0	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene	51.0	µg/L	1	50.0	<0.0566	102	75.4 - 121
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124
Bromoform	51.1	µg/L	1	50.0	<0.0859	102	77.5 - 134
Styrene	51.2	µg/L	1	50.0	<0.0394	102	10 - 180
o-Xylene	51.1	µg/L	1	50.0	<0.0504	102	75.4 - 126
1,1,2,2-Tetrachloroethane	50.6	µg/L	1	50.0	<0.0672	101	86.4 - 122
2-Chlorotoluene	53.2	µg/L	1	50.0	<0.0283	106	69.2 - 128
1,2,3-Trichloropropane	50.6	µg/L	1	50.0	<0.0679	101	75.8 - 121
Isopropylbenzene	52.0	µg/L	1	50.0	<0.0406	104	69.6 - 127
Bromobenzene	53.3	µg/L	1	50.0	<0.103	107	77.1 - 125
n-Propylbenzene	52.7	µg/L	1	50.0	<0.0423	105	67.1 - 125
1,3,5-Trimethylbenzene	52.4	µg/L	1	50.0	<0.0557	105	66.1 - 126
tert-Butylbenzene	52.6	µg/L	1	50.0	<0.0770	105	63.9 - 126
1,2,4-Trimethylbenzene	52.7	µg/L	1	50.0	<0.0336	105	65 - 123

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,4-Dichlorobenzene (para)	50.4	µg/L	1	50.0	<0.0672	101	66.7 - 119
sec-Butylbenzene	53.4	µg/L	1	50.0	<0.0439	107	57.6 - 127
1,3-Dichlorobenzene (meta)	52.6	µg/L	1	50.0	<0.0672	105	78.8 - 118
p-Isopropyltoluene	53.0	µg/L	1	50.0	<0.0513	106	56.6 - 128
4-Chlorotoluene	53.2	µg/L	1	50.0	<0.0460	106	74 - 127
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.0629	102	81.2 - 119
n-Butylbenzene	54.4	µg/L	1	50.0	<0.0400	109	50.4 - 130
1,2-Dibromo-3-chloropropane	46.7	µg/L	1	50.0	<0.538	93	55.7 - 152
1,2,3-Trichlorobenzene	41.6	µg/L	1	50.0	<0.504	83	32.6 - 149
1,2,4-Trichlorobenzene	47.3	µg/L	1	50.0	<0.166	95	35.8 - 144
Naphthalene	41.6	µg/L	1	50.0	<0.417	83	36.7 - 156
Hexachlorobutadiene	50.4	µg/L	1	50.0	<0.176	101	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	54.4	µg/L	1	50.0	<0.0699	109	82.5 - 118	2	20
Dichlorodifluoromethane	51.2	µg/L	1	50.0	<0.0598	102	46.8 - 125	6	20
Chloromethane (methyl chloride)	52.0	µg/L	1	50.0	<0.230	104	67.1 - 127	2	20
Vinyl Chloride	52.1	µg/L	1	50.0	<0.0902	104	63.7 - 129	3	20
Bromomethane (methyl bromide)	50.1	µg/L	1	50.0	<0.740	100	65.7 - 127	0	20
Chloroethane	50.3	µg/L	1	50.0	<0.195	101	69.9 - 131	1	20
Trichlorofluoromethane	60.4	µg/L	1	50.0	<0.160	121	60.2 - 134	0	20
Acetone [49]	68.7	µg/L	1	50.0	<0.854	137	12.1 - 136	40	20
Iodomethane (methyl iodide)	54.5	µg/L	1	50.0	<0.112	109	75.7 - 115	1	20
Carbon Disulfide	49.2	µg/L	1	50.0	<0.0764	98	67.6 - 131	1	20
Acrylonitrile	56.9	µg/L	1	50.0	<0.184	114	79.9 - 131	3	20
2-Butanone (MEK)	56.4	µg/L	1	50.0	<0.394	113	28.7 - 137	11	20
4-Methyl-2-pentanone (MIBK)	53.4	µg/L	1	50.0	<0.484	107	77.1 - 122	5	20
2-Hexanone	57.2	µg/L	1	50.0	<0.0975	114	42.3 - 145	6	20
trans 1,4-Dichloro-2-butene	54.9	µg/L	1	50.0	<0.421	110	38.5 - 122	4	20
1,1-Dichloroethene	54.2	µg/L	1	50.0	<0.0736	108	78.7 - 119	1	20
Methylene chloride	55.8	µg/L	1	50.0	<0.689	112	64.9 - 121	2	20
MTBE	56.2	µg/L	1	50.0	<0.0504	112	46.6 - 162	2	20
trans-1,2-Dichloroethene	55.0	µg/L	1	50.0	<0.0598	110	75.1 - 119	1	20
1,1-Dichloroethane	54.9	µg/L	1	50.0	<0.0299	110	86.3 - 119	1	20
cis-1,2-Dichloroethene	56.6	µg/L	1	50.0	<0.101	113	82.6 - 116	0	20
2,2-Dichloropropane	48.6	µg/L	1	50.0	<0.0665	97	7.8 - 109	1	20
1,2-Dichloroethane (EDC)	57.4	µg/L	1	50.0	<0.0557	115	82.7 - 130	1	20
Chloroform	56.4	µg/L	1	50.0	<0.0475	113	83.6 - 119	1	20
1,1,1-Trichloroethane	57.6	µg/L	1	50.0	<0.0846	115	69.6 - 126	2	20
1,1-Dichloropropene	52.6	µg/L	1	50.0	<0.0423	105	79.2 - 121	2	20
Benzene	54.0	µg/L	1	50.0	<0.0495	108	75.8 - 125	3	20
Carbon Tetrachloride	54.6	µg/L	1	50.0	<0.121	109	58.7 - 143	3	20
1,2-Dichloropropane	53.0	µg/L	1	50.0	<0.0933	106	88.4 - 117	2	20
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.0495	104	83.6 - 112	3	20
Dibromomethane (methylene bromide)	54.0	µg/L	1	50.0	<0.0640	108	90.7 - 117	2	20
Bromodichloromethane	55.5	µg/L	1	50.0	<0.0651	111	83.4 - 127	3	20
2-Chloroethyl vinyl ether	53.8	µg/L	1	50.0	<0.0905	108	10 - 211	2	20

continued . . .

[49] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
cis-1,3-Dichloropropene	54.1	µg/L	1	50.0	<0.0640	108	78.6 - 113	2	20
trans-1,3-Dichloropropene	54.8	µg/L	1	50.0	<0.0504	110	81.8 - 113	3	20
Toluene	50.8	µg/L	1	50.0	<0.0736	102	81.6 - 115	3	20
1,1,2-Trichloroethane	53.9	µg/L	1	50.0	<0.106	108	83.2 - 122	4	20
1,3-Dichloropropane	52.4	µg/L	1	50.0	<0.0625	105	87.3 - 123	4	20
Dibromochloromethane	54.1	µg/L	1	50.0	<0.0791	108	81.4 - 130	4	20
1,2-Dibromoethane (EDB)	52.9	µg/L	1	50.0	<0.0460	106	91.4 - 118	4	20
Tetrachloroethene (PCE)	49.5	µg/L	1	50.0	<0.0696	99	51.8 - 111	3	20
Chlorobenzene	52.2	µg/L	1	50.0	<0.0217	104	83.9 - 113	4	20
1,1,1,2-Tetrachloroethane	52.9	µg/L	1	50.0	<0.125	106	79.5 - 127	4	20
Ethylbenzene	52.6	µg/L	1	50.0	<0.0566	105	75.4 - 121	3	20
m,p-Xylene	104	µg/L	1	100	<0.0363	104	74 - 124	3	20
Bromoform	53.7	µg/L	1	50.0	<0.0859	107	77.5 - 134	5	20
Styrene	53.4	µg/L	1	50.0	<0.0394	107	10 - 180	4	20
o-Xylene	52.5	µg/L	1	50.0	<0.0504	105	75.4 - 126	3	20
1,1,2,2-Tetrachloroethane	53.1	µg/L	1	50.0	<0.0672	106	86.4 - 122	5	20
2-Chlorotoluene	54.5	µg/L	1	50.0	<0.0283	109	69.2 - 128	2	20
1,2,3-Trichloropropane	53.0	µg/L	1	50.0	<0.0679	106	75.8 - 121	5	20
Isopropylbenzene	54.2	µg/L	1	50.0	<0.0406	108	69.6 - 127	4	20
Bromobenzene	55.1	µg/L	1	50.0	<0.103	110	77.1 - 125	3	20
n-Propylbenzene	54.4	µg/L	1	50.0	<0.0423	109	67.1 - 125	3	20
1,3,5-Trimethylbenzene	54.1	µg/L	1	50.0	<0.0557	108	66.1 - 126	3	20
tert-Butylbenzene	55.1	µg/L	1	50.0	<0.0770	110	63.9 - 126	5	20
1,2,4-Trimethylbenzene	54.7	µg/L	1	50.0	<0.0336	109	65 - 123	4	20
1,4-Dichlorobenzene (para)	52.3	µg/L	1	50.0	<0.0672	105	66.7 - 119	4	20
sec-Butylbenzene	55.4	µg/L	1	50.0	<0.0439	111	57.6 - 127	4	20
1,3-Dichlorobenzene (meta)	54.2	µg/L	1	50.0	<0.0672	108	78.8 - 118	3	20
p-Isopropyltoluene	54.4	µg/L	1	50.0	<0.0513	109	56.6 - 128	3	20
4-Chlorotoluene	54.7	µg/L	1	50.0	<0.0460	109	74 - 127	3	20
1,2-Dichlorobenzene (ortho)	53.7	µg/L	1	50.0	<0.0629	107	81.2 - 119	5	20
n-Butylbenzene	55.9	µg/L	1	50.0	<0.0400	112	50.4 - 130	3	20
1,2-Dibromo-3-chloropropane	53.7	µg/L	1	50.0	<0.538	107	55.7 - 152	14	20
1,2,3-Trichlorobenzene	72.2	µg/L	1	50.0	<0.504	144	32.6 - 149	54	20
1,2,4-Trichlorobenzene	54.8	µg/L	1	50.0	<0.166	110	35.8 - 144	15	20
Naphthalene	69.4	µg/L	1	50.0	<0.417	139	36.7 - 156	50	20
Hexachlorobutadiene	54.2	µg/L	1	50.0	<0.176	108	39.6 - 125	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	54.1	52.5	µg/L	1	50	108	105	86.6 - 114
Toluene-d8	49.7	49.1	µg/L	1	50	99	98	91 - 109
4-Bromofluorobenzene (4-BFB)	51.4	50.6	µg/L	1	50	103	101	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 127798

QC Batch:	38308	Date Analyzed:	2007-06-18	Analyzed By:	KB
Prep Batch:	33167	QC Preparation:	2007-06-18	Prepared By:	KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.9	µg/L	1	50.0	<0.0699	100	82.5 - 118
Dichlorodifluoromethane	44.2	µg/L	1	50.0	<0.0598	88	46.8 - 125
Chloromethane (methyl chloride)	45.9	µg/L	1	50.0	<0.230	92	67.1 - 127
Vinyl Chloride	46.4	µg/L	1	50.0	<0.0902	93	63.7 - 129
Bromomethane (methyl bromide)	45.3	µg/L	1	50.0	<0.740	91	65.7 - 127
Chloroethane	45.9	µg/L	1	50.0	<0.195	92	69.9 - 131
Trichlorofluoromethane	55.5	µg/L	1	50.0	<0.160	111	60.2 - 134
Acetone	43.0	µg/L	1	50.0	<0.854	86	12.1 - 136
Iodomethane (methyl iodide)	49.3	µg/L	1	50.0	<0.112	99	75.7 - 115
Carbon Disulfide	45.5	µg/L	1	50.0	<0.0764	91	67.6 - 131
Acrylonitrile	54.0	µg/L	1	50.0	<0.184	108	79.9 - 131
2-Butanone (MEK)	50.6	µg/L	1	50.0	<0.394	101	28.7 - 137
4-Methyl-2-pentanone (MIBK)	51.0	µg/L	1	50.0	<0.484	102	77.1 - 122
2-Hexanone	54.8	µg/L	1	50.0	<0.0975	110	42.3 - 145
trans 1,4-Dichloro-2-butene	49.6	µg/L	1	50.0	<0.421	99	38.5 - 122
1,1-Dichloroethene	50.6	µg/L	1	50.0	<0.0736	101	78.7 - 119
Methylene chloride	50.2	µg/L	1	50.0	<0.689	100	64.9 - 121
MTBE	51.7	µg/L	1	50.0	<0.0504	103	46.6 - 162
trans-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.0598	102	75.1 - 119
1,1-Dichloroethane	49.3	µg/L	1	50.0	<0.0299	99	86.3 - 119
cis-1,2-Dichloroethene	51.8	µg/L	1	50.0	<0.101	104	82.6 - 116
2,2-Dichloropropane	42.0	µg/L	1	50.0	<0.0665	84	7.8 - 109
1,2-Dichloroethane (EDC)	50.8	µg/L	1	50.0	<0.0557	102	82.7 - 130
Chloroform	50.1	µg/L	1	50.0	<0.0475	100	83.6 - 119
1,1,1-Trichloroethane	50.1	µg/L	1	50.0	<0.0846	100	69.6 - 126
1,1-Dichloropropene	47.6	µg/L	1	50.0	<0.0423	95	79.2 - 121
Benzene	48.8	µg/L	1	50.0	<0.0495	98	75.8 - 125
Carbon Tetrachloride	47.0	µg/L	1	50.0	<0.121	94	58.7 - 143
1,2-Dichloropropane	48.1	µg/L	1	50.0	<0.0933	96	88.4 - 117
Trichloroethene (TCE)	46.3	µg/L	1	50.0	<0.0495	93	83.6 - 112
Dibromomethane (methylene bromide)	49.8	µg/L	1	50.0	<0.0640	100	90.7 - 117
Bromodichloromethane	49.5	µg/L	1	50.0	<0.0651	99	83.4 - 127
2-Chloroethyl vinyl ether	48.8	µg/L	1	50.0	<0.0905	98	10 - 211
cis-1,3-Dichloropropene	48.5	µg/L	1	50.0	<0.0640	97	78.6 - 113
trans-1,3-Dichloropropene	48.5	µg/L	1	50.0	<0.0504	97	81.8 - 113
Toluene	45.0	µg/L	1	50.0	<0.0736	90	81.6 - 115
1,1,2-Trichloroethane	48.4	µg/L	1	50.0	<0.106	97	83.2 - 122
1,3-Dichloropropane	47.6	µg/L	1	50.0	<0.0625	95	87.3 - 123
Dibromochloromethane	47.4	µg/L	1	50.0	<0.0791	95	81.4 - 130
1,2-Dibromoethane (EDB)	47.6	µg/L	1	50.0	<0.0460	95	91.4 - 118
Tetrachloroethene (PCE)	42.4	µg/L	1	50.0	<0.0696	85	51.8 - 111
Chlorobenzene	45.2	µg/L	1	50.0	<0.0217	90	83.9 - 113
1,1,1,2-Tetrachloroethane	46.0	µg/L	1	50.0	<0.125	92	79.5 - 127
Ethylbenzene	45.5	µg/L	1	50.0	<0.0566	91	75.4 - 121
m,p-Xylene	90.2	µg/L	1	100	<0.0363	90	74 - 124
Bromoform	47.7	µg/L	1	50.0	<0.0859	95	77.5 - 134
Styrene	45.9	µg/L	1	50.0	<0.0394	92	10 - 180
o-Xylene	45.7	µg/L	1	50.0	<0.0504	91	75.4 - 126
1,1,2,2-Tetrachloroethane	50.3	µg/L	1	50.0	<0.0672	101	86.4 - 122
2-Chlorotoluene	47.3	µg/L	1	50.0	<0.0283	95	69.2 - 128
1,2,3-Trichloropropane	48.9	µg/L	1	50.0	<0.0679	98	75.8 - 121

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene	46.2	µg/L	1	50.0	<0.0406	92	69.6 - 127
Bromobenzene	49.2	µg/L	1	50.0	<0.103	98	77.1 - 125
n-Propylbenzene	46.2	µg/L	1	50.0	<0.0423	92	67.1 - 125
1,3,5-Trimethylbenzene	45.3	µg/L	1	50.0	<0.0557	91	66.1 - 126
tert-Butylbenzene	45.6	µg/L	1	50.0	<0.0770	91	63.9 - 126
1,2,4-Trimethylbenzene	46.2	µg/L	1	50.0	<0.0336	92	65 - 123
1,4-Dichlorobenzene (para)	44.6	µg/L	1	50.0	<0.0672	89	66.7 - 119
sec-Butylbenzene	46.2	µg/L	1	50.0	<0.0439	92	57.6 - 127
1,3-Dichlorobenzene (meta)	46.1	µg/L	1	50.0	<0.0672	92	78.8 - 118
p-Isopropyltoluene	45.5	µg/L	1	50.0	<0.0513	91	56.6 - 128
4-Chlorotoluene	47.3	µg/L	1	50.0	<0.0460	95	74 - 127
1,2-Dichlorobenzene (ortho)	47.1	µg/L	1	50.0	<0.0629	94	81.2 - 119
n-Butylbenzene	46.9	µg/L	1	50.0	<0.0400	94	50.4 - 130
1,2-Dibromo-3-chloropropane	46.9	µg/L	1	50.0	<0.538	94	55.7 - 152
1,2,3-Trichlorobenzene	41.9	µg/L	1	50.0	<0.504	84	32.6 - 149
1,2,4-Trichlorobenzene	42.9	µg/L	1	50.0	<0.166	86	35.8 - 144
Naphthalene	43.9	µg/L	1	50.0	<0.417	88	36.7 - 156
Hexachlorobutadiene	43.7	µg/L	1	50.0	<0.176	87	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	55.5	µg/L	1	50.0	<0.0699	111	82.5 - 118	11	20
Dichlorodifluoromethane	49.2	µg/L	1	50.0	<0.0598	98	46.8 - 125	11	20
Chloromethane (methyl chloride)	50.0	µg/L	1	50.0	<0.230	100	67.1 - 127	9	20
Vinyl Chloride	51.6	µg/L	1	50.0	<0.0902	103	63.7 - 129	11	20
Bromomethane (methyl bromide)	49.1	µg/L	1	50.0	<0.740	98	65.7 - 127	8	20
Chloroethane	50.0	µg/L	1	50.0	<0.195	100	69.9 - 131	9	20
Trichlorofluoromethane	60.1	µg/L	1	50.0	<0.160	120	60.2 - 134	8	20
Acetone	48.1	µg/L	1	50.0	<0.854	96	12.1 - 136	11	20
Iodomethane (methyl iodide)	55.2	µg/L	1	50.0	<0.112	110	75.7 - 115	11	20
Carbon Disulfide	51.5	µg/L	1	50.0	<0.0764	103	67.6 - 131	12	20
Acrylonitrile	61.4	µg/L	1	50.0	<0.184	123	79.9 - 131	13	20
2-Butanone (MEK)	57.6	µg/L	1	50.0	<0.394	115	28.7 - 137	13	20
4-Methyl-2-pentanone (MIBK)	57.6	µg/L	1	50.0	<0.484	115	77.1 - 122	12	20
2-Hexanone	62.0	µg/L	1	50.0	<0.0975	124	42.3 - 145	12	20
trans 1,4-Dichloro-2-butene	56.9	µg/L	1	50.0	<0.421	114	38.5 - 122	14	20
1,1-Dichloroethene	56.3	µg/L	1	50.0	<0.0736	113	78.7 - 119	11	20
Methylene chloride	56.1	µg/L	1	50.0	<0.689	112	64.9 - 121	11	20
MTBE	57.9	µg/L	1	50.0	<0.0504	116	46.6 - 162	11	20
trans-1,2-Dichloroethene	56.6	µg/L	1	50.0	<0.0598	113	75.1 - 119	11	20
1,1-Dichloroethane	55.5	µg/L	1	50.0	<0.0299	111	86.3 - 119	12	20
cis-1,2-Dichloroethene	57.6	µg/L	1	50.0	<0.101	115	82.6 - 116	11	20
2,2-Dichloropropane	45.9	µg/L	1	50.0	<0.0665	92	7.8 - 109	9	20
1,2-Dichloroethane (EDC)	56.6	µg/L	1	50.0	<0.0557	113	82.7 - 130	11	20
Chloroform	56.2	µg/L	1	50.0	<0.0475	112	83.6 - 119	12	20
1,1,1-Trichloroethane	55.8	µg/L	1	50.0	<0.0846	112	69.6 - 126	11	20
1,1-Dichloropropene	52.2	µg/L	1	50.0	<0.0423	104	79.2 - 121	9	20
Benzene	53.9	µg/L	1	50.0	<0.0495	108	75.8 - 125	10	20
Carbon Tetrachloride	52.2	µg/L	1	50.0	<0.121	104	58.7 - 143	10	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloropropane	53.1	µg/L	1	50.0	<0.0933	106	88.4 - 117	10	20
Trichloroethene (TCE)	50.9	µg/L	1	50.0	<0.0495	102	83.6 - 112	10	20
Dibromomethane (methylene bromide)	54.6	µg/L	1	50.0	<0.0640	109	90.7 - 117	9	20
Bromodichloromethane	53.6	µg/L	1	50.0	<0.0651	107	83.4 - 127	8	20
2-Chloroethyl vinyl ether	53.9	µg/L	1	50.0	<0.0905	108	10 - 211	10	20
cis-1,3-Dichloropropene	53.1	µg/L	1	50.0	<0.0640	106	78.6 - 113	9	20
trans-1,3-Dichloropropene	54.2	µg/L	1	50.0	<0.0504	108	81.8 - 113	11	20
Toluene	49.8	µg/L	1	50.0	<0.0736	100	81.6 - 115	10	20
1,1,2-Trichloroethane	53.7	µg/L	1	50.0	<0.106	107	83.2 - 122	10	20
1,3-Dichloropropane	52.9	µg/L	1	50.0	<0.0625	106	87.3 - 123	10	20
Dibromochloromethane	53.1	µg/L	1	50.0	<0.0791	106	81.4 - 130	11	20
1,2-Dibromoethane (EDB)	53.6	µg/L	1	50.0	<0.0460	107	91.4 - 118	12	20
Tetrachloroethene (PCE)	47.6	µg/L	1	50.0	<0.0696	95	51.8 - 111	12	20
Chlorobenzene	50.4	µg/L	1	50.0	<0.0217	101	83.9 - 113	11	20
1,1,1,2-Tetrachloroethane	51.0	µg/L	1	50.0	<0.125	102	79.5 - 127	10	20
Ethylbenzene	50.4	µg/L	1	50.0	<0.0566	101	75.4 - 121	10	20
m,p-Xylene	99.0	µg/L	1	100	<0.0363	99	74 - 124	9	20
Bromoform	54.4	µg/L	1	50.0	<0.0859	109	77.5 - 134	13	20
Styrene	51.3	µg/L	1	50.0	<0.0394	103	10 - 180	11	20
o-Xylene	50.8	µg/L	1	50.0	<0.0504	102	75.4 - 126	11	20
1,1,2,2-Tetrachloroethane	56.2	µg/L	1	50.0	<0.0672	112	86.4 - 122	11	20
2-Chlorotoluene	52.6	µg/L	1	50.0	<0.0283	105	69.2 - 128	11	20
1,2,3-Trichloropropane	55.1	µg/L	1	50.0	<0.0679	110	75.8 - 121	12	20
Isopropylbenzene	51.3	µg/L	1	50.0	<0.0406	103	69.6 - 127	10	20
Bromobenzene	54.8	µg/L	1	50.0	<0.103	110	77.1 - 125	11	20
n-Propylbenzene	51.6	µg/L	1	50.0	<0.0423	103	67.1 - 125	11	20
1,3,5-Trimethylbenzene	51.0	µg/L	1	50.0	<0.0557	102	66.1 - 126	12	20
tert-Butylbenzene	51.3	µg/L	1	50.0	<0.0770	103	63.9 - 126	12	20
1,2,4-Trimethylbenzene	51.5	µg/L	1	50.0	<0.0336	103	65 - 123	11	20
1,4-Dichlorobenzene (para)	49.9	µg/L	1	50.0	<0.0672	100	66.7 - 119	11	20
sec-Butylbenzene	52.0	µg/L	1	50.0	<0.0439	104	57.6 - 127	12	20
1,3-Dichlorobenzene (meta)	52.6	µg/L	1	50.0	<0.0672	105	78.8 - 118	13	20
p-Isopropyltoluene	51.2	µg/L	1	50.0	<0.0513	102	56.6 - 128	12	20
4-Chlorotoluene	53.0	µg/L	1	50.0	<0.0460	106	74 - 127	11	20
1,2-Dichlorobenzene (ortho)	52.6	µg/L	1	50.0	<0.0629	105	81.2 - 119	11	20
n-Butylbenzene	52.6	µg/L	1	50.0	<0.0400	105	50.4 - 130	11	20
1,2-Dibromo-3-chloropropane	55.2	µg/L	1	50.0	<0.538	110	55.7 - 152	16	20
1,2,3-Trichlorobenzene	73.3	µg/L	1	50.0	<0.504	147	32.6 - 149	54	20
1,2,4-Trichlorobenzene	53.1	µg/L	1	50.0	<0.166	106	35.8 - 144	21	20
Naphthalene	68.6	µg/L	1	50.0	<0.417	137	36.7 - 156	44	20
Hexachlorobutadiene	49.9	µg/L	1	50.0	<0.176	100	39.6 - 125	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.9	52.4	µg/L	1	50	106	105	86.6 - 114
Toluene-d8	49.3	48.7	µg/L	1	50	99	97	91 - 109
4-Bromofluorobenzene (4-BFB)	50.2	49.8	µg/L	1	50	100	100	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 127799

QC Batch: 38348 Date Analyzed: 2007-06-19 Analyzed By: KB
Prep Batch: 33198 QC Preparation: 2007-06-19 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.5	µg/L	1	50.0	<0.0699	99	82.5 - 118
Dichlorodifluoromethane	41.6	µg/L	1	50.0	<0.0598	83	46.8 - 125
Chloromethane (methyl chloride)	44.0	µg/L	1	50.0	<0.230	88	67.1 - 127
Vinyl Chloride	45.7	µg/L	1	50.0	<0.0902	91	63.7 - 129
Bromomethane (methyl bromide)	44.0	µg/L	1	50.0	<0.740	88	65.7 - 127
Chloroethane	45.0	µg/L	1	50.0	<0.195	90	69.9 - 131
Trichlorofluoromethane	51.7	µg/L	1	50.0	<0.160	103	60.2 - 134
Acetone	62.1	µg/L	1	50.0	25.4	73	12.1 - 136
Iodomethane (methyl iodide)	49.3	µg/L	1	50.0	<0.112	99	75.7 - 115
Carbon Disulfide	47.5	µg/L	1	50.0	<0.0764	95	67.6 - 131
Acrylonitrile	52.3	µg/L	1	50.0	<0.184	105	79.9 - 131
2-Butanone (MEK)	53.9	µg/L	1	50.0	<0.394	108	28.7 - 137
4-Methyl-2-pentanone (MIBK)	50.5	µg/L	1	50.0	<0.484	101	77.1 - 122
2-Hexanone	54.5	µg/L	1	50.0	<0.0975	109	42.3 - 145
trans 1,4-Dichloro-2-butene	45.8	µg/L	1	50.0	<0.421	92	38.5 - 122
1,1-Dichloroethene	51.9	µg/L	1	50.0	<0.0736	104	78.7 - 119
Methylene chloride	51.9	µg/L	1	50.0	<0.689	104	64.9 - 121
MTBE	50.6	µg/L	1	50.0	<0.0504	101	46.6 - 162
trans-1,2-Dichloroethene	51.6	µg/L	1	50.0	<0.0598	103	75.1 - 119
1,1-Dichloroethane	49.7	µg/L	1	50.0	<0.0299	99	86.3 - 119
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.101	106	82.6 - 116
2,2-Dichloropropane	40.2	µg/L	1	50.0	<0.0665	80	7.8 - 109
1,2-Dichloroethane (EDC)	49.1	µg/L	1	50.0	<0.0557	98	82.7 - 130
Chloroform	49.5	µg/L	1	50.0	<0.0475	99	83.6 - 119
1,1,1-Trichloroethane	48.4	µg/L	1	50.0	<0.0846	97	69.6 - 126
1,1-Dichloropropene	46.9	µg/L	1	50.0	<0.0423	94	79.2 - 121
Benzene	49.5	µg/L	1	50.0	<0.0495	99	75.8 - 125
Carbon Tetrachloride	45.2	µg/L	1	50.0	<0.121	90	58.7 - 143
1,2-Dichloropropane	48.4	µg/L	1	50.0	<0.0933	97	88.4 - 117
Trichloroethene (TCE)	46.0	µg/L	1	50.0	<0.0495	92	83.6 - 112
Dibromomethane (methylene bromide)	48.3	µg/L	1	50.0	<0.0640	97	90.7 - 117
Bromodichloromethane	48.2	µg/L	1	50.0	<0.0651	96	83.4 - 127
2-Chloroethyl vinyl ether	49.1	µg/L	1	50.0	<0.0905	98	10 - 211
cis-1,3-Dichloropropene	47.5	µg/L	1	50.0	<0.0640	95	78.6 - 113
trans-1,3-Dichloropropene	47.7	µg/L	1	50.0	<0.0504	95	81.8 - 113
Toluene	45.5	µg/L	1	50.0	<0.0736	91	81.6 - 115
1,1,2-Trichloroethane	47.9	µg/L	1	50.0	<0.106	96	83.2 - 122
1,3-Dichloropropane	46.9	µg/L	1	50.0	<0.0625	94	87.3 - 123
Dibromochloromethane	46.2	µg/L	1	50.0	<0.0791	92	81.4 - 130
1,2-Dibromoethane (EDB)	46.3	µg/L	1	50.0	<0.0460	93	91.4 - 118
Tetrachloroethene (PCE)	43.2	µg/L	1	50.0	<0.0696	86	51.8 - 111
Chlorobenzene	45.2	µg/L	1	50.0	<0.0217	90	83.9 - 113
1,1,1,2-Tetrachloroethane	44.4	µg/L	1	50.0	<0.125	89	79.5 - 127
Ethylbenzene	45.5	µg/L	1	50.0	<0.0566	91	75.4 - 121
m,p-Xylene	89.7	µg/L	1	100	<0.0363	90	74 - 124
Bromoform	45.6	µg/L	1	50.0	<0.0859	91	77.5 - 134

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	46.5	µg/L	1	50.0	<0.0394	93	10 - 180
o-Xylene	45.5	µg/L	1	50.0	<0.0504	91	75.4 - 126
1,1,2,2-Tetrachloroethane	49.3	µg/L	1	50.0	<0.0672	99	86.4 - 122
2-Chlorotoluene	47.3	µg/L	1	50.0	<0.0283	95	69.2 - 128
1,2,3-Trichloropropane	47.6	µg/L	1	50.0	<0.0679	95	75.8 - 121
Isopropylbenzene	46.6	µg/L	1	50.0	<0.0406	93	69.6 - 127
Bromobenzene	48.7	µg/L	1	50.0	<0.103	97	77.1 - 125
n-Propylbenzene	47.6	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	46.2	µg/L	1	50.0	<0.0557	92	66.1 - 126
tert-Butylbenzene	46.4	µg/L	1	50.0	<0.0770	93	63.9 - 126
1,2,4-Trimethylbenzene	47.0	µg/L	1	50.0	<0.0336	94	65 - 123
1,4-Dichlorobenzene (para)	45.2	µg/L	1	50.0	<0.0672	90	66.7 - 119
sec-Butylbenzene	47.8	µg/L	1	50.0	<0.0439	96	57.6 - 127
1,3-Dichlorobenzene (meta)	47.4	µg/L	1	50.0	<0.0672	95	78.8 - 118
p-Isopropyltoluene	46.8	µg/L	1	50.0	<0.0513	94	56.6 - 128
4-Chlorotoluene	47.9	µg/L	1	50.0	<0.0460	96	74 - 127
1,2-Dichlorobenzene (ortho)	47.4	µg/L	1	50.0	<0.0629	95	81.2 - 119
n-Butylbenzene	49.2	µg/L	1	50.0	<0.0400	98	50.4 - 130
1,2-Dibromo-3-chloropropane	44.9	µg/L	1	50.0	<0.538	90	55.7 - 152
1,2,3-Trichlorobenzene	44.7	µg/L	1	50.0	<0.504	89	32.6 - 149
1,2,4-Trichlorobenzene	44.2	µg/L	1	50.0	<0.166	88	35.8 - 144
Naphthalene	73.3	µg/L	1	50.0	<0.417	147	36.7 - 156
Hexachlorobutadiene	44.3	µg/L	1	50.0	<0.176	89	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	57.0	µg/L	1	50.0	<0.0699	114	82.5 - 118	14	20
Dichlorodifluoromethane	44.3	µg/L	1	50.0	<0.0598	89	46.8 - 125	6	20
Chloromethane (methyl chloride)	49.5	µg/L	1	50.0	<0.230	99	67.1 - 127	12	20
Vinyl Chloride	51.3	µg/L	1	50.0	<0.0902	103	63.7 - 129	12	20
Bromomethane (methyl bromide)	49.1	µg/L	1	50.0	<0.740	98	65.7 - 127	11	20
Chloroethane	51.2	µg/L	1	50.0	<0.195	102	69.9 - 131	13	20
Trichlorofluoromethane	56.3	µg/L	1	50.0	<0.160	113	60.2 - 134	8	20
Acetone	63.1	µg/L	1	50.0	25.4	75	12.1 - 136	2	20
Iodomethane (methyl iodide)	56.4	µg/L	1	50.0	<0.112	113	75.7 - 115	13	20
Carbon Disulfide	51.9	µg/L	1	50.0	<0.0764	104	67.6 - 131	9	20
Acrylonitrile	60.9	µg/L	1	50.0	<0.184	122	79.9 - 131	15	20
2-Butanone (MEK)	62.2	µg/L	1	50.0	<0.394	124	28.7 - 137	14	20
4-Methyl-2-pentanone (MIBK)	57.7	µg/L	1	50.0	<0.484	115	77.1 - 122	13	20
2-Hexanone	60.9	µg/L	1	50.0	<0.0975	122	42.3 - 145	11	20
trans 1,4-Dichloro-2-butene	51.4	µg/L	1	50.0	<0.421	103	38.5 - 122	12	20
1,1-Dichloroethene	57.8	µg/L	1	50.0	<0.0736	116	78.7 - 119	11	20
Methylene chloride	59.4	µg/L	1	50.0	<0.689	119	64.9 - 121	14	20
MTBE	57.5	µg/L	1	50.0	<0.0504	115	46.6 - 162	13	20
trans-1,2-Dichloroethene	56.8	µg/L	1	50.0	<0.0598	114	75.1 - 119	10	20
1,1-Dichloroethane	55.7	µg/L	1	50.0	<0.0299	111	86.3 - 119	11	20
cis-1,2-Dichloroethene [50]	59.4	µg/L	1	50.0	<0.101	119	82.6 - 116	12	20
2,2-Dichloropropane	42.8	µg/L	1	50.0	<0.0665	86	7.8 - 109	6	20

continued . . .

[50] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloroethane (EDC)	53.9	µg/L	1	50.0	<0.0557	108	82.7 - 130	9	20
Chloroform	55.1	µg/L	1	50.0	<0.0475	110	83.6 - 119	11	20
1,1,1-Trichloroethane	53.2	µg/L	1	50.0	<0.0846	106	69.6 - 126	9	20
1,1-Dichloropropene	52.1	µg/L	1	50.0	<0.0423	104	79.2 - 121	10	20
Benzene	55.7	µg/L	1	50.0	<0.0495	111	75.8 - 125	12	20
Carbon Tetrachloride	49.6	µg/L	1	50.0	<0.121	99	58.7 - 143	9	20
1,2-Dichloropropane	55.3	µg/L	1	50.0	<0.0933	111	88.4 - 117	13	20
Trichloroethene (TCE)	52.1	µg/L	1	50.0	<0.0495	104	83.6 - 112	12	20
Dibromomethane (methylene bromide)	55.6	µg/L	1	50.0	<0.0640	111	90.7 - 117	14	20
Bromodichloromethane	54.0	µg/L	1	50.0	<0.0651	108	83.4 - 127	11	20
2-Chloroethyl vinyl ether	56.1	µg/L	1	50.0	<0.0905	112	10 - 211	13	20
cis-1,3-Dichloropropene	53.9	µg/L	1	50.0	<0.0640	108	78.6 - 113	13	20
trans-1,3-Dichloropropene	53.3	µg/L	1	50.0	<0.0504	107	81.8 - 113	11	20
Toluene	50.9	µg/L	1	50.0	<0.0736	102	81.6 - 115	11	20
1,1,2-Trichloroethane	55.4	µg/L	1	50.0	<0.106	111	83.2 - 122	14	20
1,3-Dichloropropane	52.6	µg/L	1	50.0	<0.0625	105	87.3 - 123	11	20
Dibromochloromethane	52.4	µg/L	1	50.0	<0.0791	105	81.4 - 130	13	20
1,2-Dibromoethane (EDB)	53.3	µg/L	1	50.0	<0.0460	107	91.4 - 118	14	20
Tetrachloroethene (PCE)	48.2	µg/L	1	50.0	<0.0696	96	51.8 - 111	11	20
Chlorobenzene	50.6	µg/L	1	50.0	<0.0217	101	83.9 - 113	11	20
1,1,1,2-Tetrachloroethane	49.9	µg/L	1	50.0	<0.125	100	79.5 - 127	12	20
Ethylbenzene	50.2	µg/L	1	50.0	<0.0566	100	75.4 - 121	10	20
m,p-Xylene	97.9	µg/L	1	100	<0.0363	98	74 - 124	9	20
Bromoform	53.0	µg/L	1	50.0	<0.0859	106	77.5 - 134	15	20
Styrene	52.1	µg/L	1	50.0	<0.0394	104	10 - 180	11	20
o-Xylene	50.2	µg/L	1	50.0	<0.0504	100	75.4 - 126	10	20
1,1,2,2-Tetrachloroethane	56.0	µg/L	1	50.0	<0.0672	112	86.4 - 122	13	20
2-Chlorotoluene	51.8	µg/L	1	50.0	<0.0283	104	69.2 - 128	9	20
1,2,3-Trichloropropane	53.2	µg/L	1	50.0	<0.0679	106	75.8 - 121	11	20
Isopropylbenzene	51.2	µg/L	1	50.0	<0.0406	102	69.6 - 127	9	20
Bromobenzene	54.1	µg/L	1	50.0	<0.103	108	77.1 - 125	10	20
n-Propylbenzene	51.6	µg/L	1	50.0	<0.0423	103	67.1 - 125	8	20
1,3,5-Trimethylbenzene	50.5	µg/L	1	50.0	<0.0557	101	66.1 - 126	9	20
tert-Butylbenzene	50.4	µg/L	1	50.0	<0.0770	101	63.9 - 126	8	20
1,2,4-Trimethylbenzene	50.8	µg/L	1	50.0	<0.0336	102	65 - 123	8	20
1,4-Dichlorobenzene (para)	50.2	µg/L	1	50.0	<0.0672	100	66.7 - 119	10	20
sec-Butylbenzene	52.3	µg/L	1	50.0	<0.0439	105	57.6 - 127	9	20
1,3-Dichlorobenzene (meta)	52.6	µg/L	1	50.0	<0.0672	105	78.8 - 118	10	20
p-Isopropyltoluene	51.1	µg/L	1	50.0	<0.0513	102	56.6 - 128	9	20
4-Chlorotoluene	51.9	µg/L	1	50.0	<0.0460	104	74 - 127	8	20
1,2-Dichlorobenzene (ortho)	52.2	µg/L	1	50.0	<0.0629	104	81.2 - 119	10	20
n-Butylbenzene	53.3	µg/L	1	50.0	<0.0400	107	50.4 - 130	8	20
1,2-Dibromo-3-chloropropane	50.1	µg/L	1	50.0	<0.538	100	55.7 - 152	11	20
1,2,3-Trichlorobenzene [51]	75.9	µg/L	1	50.0	<0.504	152	32.6 - 149	52	20
1,2,4-Trichlorobenzene	55.2	µg/L	1	50.0	<0.166	110	35.8 - 144	22	20
Naphthalene	73.6	µg/L	1	50.0	<0.417	147	36.7 - 156	0	20
Hexachlorobutadiene	50.9	µg/L	1	50.0	<0.176	102	39.6 - 125	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[51] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	53.4	52.4	µg/L	1	50	107	105	86.6 - 114
Toluene-d8	48.8	48.9	µg/L	1	50	98	98	91 - 109
4-Bromofluorobenzene (4-BFB)	50.0	49.4	µg/L	1	50	100	99	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 128032

QC Batch: 38437 Date Analyzed: 2007-06-21 Analyzed By: KB
Prep Batch: 33264 QC Preparation: 2007-06-21 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	54.4	µg/L	1	50.0	<0.0699	109	82.5 - 118
Dichlorodifluoromethane	41.6	µg/L	1	50.0	<0.0598	83	46.8 - 125
Chloromethane (methyl chloride)	44.3	µg/L	1	50.0	<0.230	89	67.1 - 127
Vinyl Chloride	46.2	µg/L	1	50.0	<0.0902	92	63.7 - 129
Bromomethane (methyl bromide)	45.2	µg/L	1	50.0	<0.740	90	65.7 - 127
Chloroethane	46.2	µg/L	1	50.0	<0.195	92	69.9 - 131
Trichlorofluoromethane	53.0	µg/L	1	50.0	<0.160	106	60.2 - 134
Acetone	58.2	µg/L	1	50.0	<0.854	116	12.1 - 136
Iodomethane (methyl iodide)	50.3	µg/L	1	50.0	<0.112	101	75.7 - 115
Carbon Disulfide	52.1	µg/L	1	50.0	<0.0764	104	67.6 - 131
Acrylonitrile	56.6	µg/L	1	50.0	<0.184	113	79.9 - 131
2-Butanone (MEK)	59.2	µg/L	1	50.0	<0.394	118	28.7 - 137
4-Methyl-2-pentanone (MIBK)	54.8	µg/L	1	50.0	<0.484	110	77.1 - 122
2-Hexanone	63.7	µg/L	1	50.0	<0.0975	127	42.3 - 145
trans 1,4-Dichloro-2-butene	46.3	µg/L	1	50.0	<0.421	93	38.5 - 122
1,1-Dichloroethene	56.2	µg/L	1	50.0	<0.0736	112	78.7 - 119
Methylene chloride	57.5	µg/L	1	50.0	<0.689	115	64.9 - 121
MTBE	57.6	µg/L	1	50.0	<0.0504	115	46.6 - 162
trans-1,2-Dichloroethene	56.6	µg/L	1	50.0	<0.0598	113	75.1 - 119
1,1-Dichloroethane	54.2	µg/L	1	50.0	<0.0299	108	86.3 - 119
cis-1,2-Dichloroethene	57.2	µg/L	1	50.0	<0.101	114	82.6 - 116
2,2-Dichloropropane	34.1	µg/L	1	50.0	<0.0665	68	7.8 - 109
1,2-Dichloroethane (EDC)	56.1	µg/L	1	50.0	<0.0557	112	82.7 - 130
Chloroform	56.0	µg/L	1	50.0	<0.0475	112	83.6 - 119
1,1,1-Trichloroethane	53.5	µg/L	1	50.0	<0.0846	107	69.6 - 126
1,1-Dichloropropene	49.5	µg/L	1	50.0	<0.0423	99	79.2 - 121
Benzene	52.6	µg/L	1	50.0	1.06	103	75.8 - 125
Carbon Tetrachloride	47.9	µg/L	1	50.0	<0.121	96	58.7 - 143
1,2-Dichloropropane	50.0	µg/L	1	50.0	<0.0933	100	88.4 - 117
Trichloroethene (TCE)	45.5	µg/L	1	50.0	<0.0495	91	83.6 - 112
Dibromomethane (methylene bromide)	51.7	µg/L	1	50.0	<0.0640	103	90.7 - 117
Bromodichloromethane	50.9	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	50.8	µg/L	1	50.0	<0.0905	102	10 - 211
cis-1,3-Dichloropropene	47.9	µg/L	1	50.0	<0.0640	96	78.6 - 113
trans-1,3-Dichloropropene	48.2	µg/L	1	50.0	<0.0504	96	81.8 - 113
Toluene	48.0	µg/L	1	50.0	<0.0736	96	81.6 - 115
1,1,2-Trichloroethane	51.6	µg/L	1	50.0	<0.106	103	83.2 - 122
1,3-Dichloropropane	49.2	µg/L	1	50.0	<0.0625	98	87.3 - 123
Dibromochloromethane	46.8	µg/L	1	50.0	<0.0791	94	81.4 - 130

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromoethane (EDB)	47.2	µg/L	1	50.0	<0.0460	94	91.4 - 118
Tetrachloroethene (PCE)	41.2	µg/L	1	50.0	<0.0696	82	51.8 - 111
Chlorobenzene	45.5	µg/L	1	50.0	<0.0217	91	83.9 - 113
1,1,1,2-Tetrachloroethane	44.5	µg/L	1	50.0	<0.125	89	79.5 - 127
Ethylbenzene	46.6	µg/L	1	50.0	<0.0566	93	75.4 - 121
m,p-Xylene	92.0	µg/L	1	100	<0.0363	92	74 - 124
Bromoform	44.9	µg/L	1	50.0	<0.0859	90	77.5 - 134
Styrene	45.0	µg/L	1	50.0	<0.0394	90	10 - 180
o-Xylene	46.7	µg/L	1	50.0	<0.0504	93	75.4 - 126
1,1,2,2-Tetrachloroethane	54.1	µg/L	1	50.0	<0.0672	108	86.4 - 122
2-Chlorotoluene	47.4	µg/L	1	50.0	<0.0283	95	69.2 - 128
1,2,3-Trichloropropane	48.6	µg/L	1	50.0	<0.0679	97	75.8 - 121
Isopropylbenzene	45.3	µg/L	1	50.0	<0.0406	91	69.6 - 127
Bromobenzene	49.6	µg/L	1	50.0	<0.103	99	77.1 - 125
n-Propylbenzene	47.4	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	44.7	µg/L	1	50.0	<0.0557	89	66.1 - 126
tert-Butylbenzene	45.1	µg/L	1	50.0	<0.0770	90	63.9 - 126
1,2,4-Trimethylbenzene	45.8	µg/L	1	50.0	<0.0336	92	65 - 123
1,4-Dichlorobenzene (para)	43.4	µg/L	1	50.0	<0.0672	87	66.7 - 119
sec-Butylbenzene	46.0	µg/L	1	50.0	<0.0439	92	57.6 - 127
1,3-Dichlorobenzene (meta)	45.7	µg/L	1	50.0	<0.0672	91	78.8 - 118
p-Isopropyltoluene	44.7	µg/L	1	50.0	<0.0513	89	56.6 - 128
4-Chlorotoluene	47.0	µg/L	1	50.0	<0.0460	94	74 - 127
1,2-Dichlorobenzene (ortho)	45.5	µg/L	1	50.0	<0.0629	91	81.2 - 119
n-Butylbenzene	47.1	µg/L	1	50.0	<0.0400	94	50.4 - 130
1,2-Dibromo-3-chloropropane	47.7	µg/L	1	50.0	<0.538	95	55.7 - 152
1,2,3-Trichlorobenzene	44.5	µg/L	1	50.0	<0.504	89	32.6 - 149
1,2,4-Trichlorobenzene	39.0	µg/L	1	50.0	<0.166	78	35.8 - 144
Naphthalene	45.1	µg/L	1	50.0	<0.417	90	36.7 - 156
Hexachlorobutadiene	36.7	µg/L	1	50.0	<0.176	73	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	57.5	µg/L	1	50.0	<0.0699	115	82.5 - 118	6	20
Dichlorodifluoromethane	47.0	µg/L	1	50.0	<0.0598	94	46.8 - 125	12	20
Chloromethane (methyl chloride)	51.7	µg/L	1	50.0	<0.230	103	67.1 - 127	15	20
Vinyl Chloride	54.1	µg/L	1	50.0	<0.0902	108	63.7 - 129	16	20
Bromomethane (methyl bromide)	49.3	µg/L	1	50.0	<0.740	99	65.7 - 127	9	20
Chloroethane	51.2	µg/L	1	50.0	<0.195	102	69.9 - 131	10	20
Trichlorofluoromethane	58.6	µg/L	1	50.0	<0.160	117	60.2 - 134	10	20
Acetone	62.5	µg/L	1	50.0	<0.854	125	12.1 - 136	7	20
Iodomethane (methyl iodide)	53.7	µg/L	1	50.0	<0.112	107	75.7 - 115	6	20
Carbon Disulfide	55.2	µg/L	1	50.0	<0.0764	110	67.6 - 131	6	20
Acrylonitrile	61.0	µg/L	1	50.0	<0.184	122	79.9 - 131	8	20
2-Butanone (MEK)	67.3	µg/L	1	50.0	<0.394	135	28.7 - 137	13	20
4-Methyl-2-pentanone (MIBK) [52]	64.1	µg/L	1	50.0	<0.484	128	77.1 - 122	16	20
2-Hexanone	69.1	µg/L	1	50.0	<0.0975	138	42.3 - 145	8	20
trans 1,4-Dichloro-2-butene	50.4	µg/L	1	50.0	<0.421	101	38.5 - 122	8	20

continued . . .

[52] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	59.0	µg/L	1	50.0	<0.0736	118	78.7 - 119	5	20
Methylene chloride	60.7	µg/L	1	50.0	<0.689	121	64.9 - 121	5	20
MTBE	60.8	µg/L	1	50.0	<0.0504	122	46.6 - 162	5	20
trans-1,2-Dichloroethene	59.2	µg/L	1	50.0	<0.0598	118	75.1 - 119	4	20
1,1-Dichloroethane	56.8	µg/L	1	50.0	<0.0299	114	86.3 - 119	5	20
cis-1,2-Dichloroethene [53]	61.0	µg/L	1	50.0	<0.101	122	82.6 - 116	6	20
2,2-Dichloropropane	34.8	µg/L	1	50.0	<0.0665	70	7.8 - 109	2	20
1,2-Dichloroethane (EDC)	58.5	µg/L	1	50.0	<0.0557	117	82.7 - 130	4	20
Chloroform	58.5	µg/L	1	50.0	<0.0475	117	83.6 - 119	4	20
1,1,1-Trichloroethane	56.2	µg/L	1	50.0	<0.0846	112	69.6 - 126	5	20
1,1-Dichloropropene	52.0	µg/L	1	50.0	<0.0423	104	79.2 - 121	5	20
Benzene	55.5	µg/L	1	50.0	1.06	109	75.8 - 125	5	20
Carbon Tetrachloride	50.4	µg/L	1	50.0	<0.121	101	58.7 - 143	5	20
1,2-Dichloropropane	53.1	µg/L	1	50.0	<0.0933	106	88.4 - 117	6	20
Trichloroethene (TCE)	48.9	µg/L	1	50.0	<0.0495	98	83.6 - 112	7	20
Dibromomethane (methylene bromide)	54.7	µg/L	1	50.0	<0.0640	109	90.7 - 117	6	20
Bromodichloromethane	53.4	µg/L	1	50.0	<0.0651	107	83.4 - 127	5	20
2-Chloroethyl vinyl ether	54.0	µg/L	1	50.0	<0.0905	108	10 - 211	6	20
cis-1,3-Dichloropropene	50.7	µg/L	1	50.0	<0.0640	101	78.6 - 113	6	20
trans-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.0504	102	81.8 - 113	6	20
Toluene	50.5	µg/L	1	50.0	<0.0736	101	81.6 - 115	5	20
1,1,2-Trichloroethane	54.5	µg/L	1	50.0	<0.106	109	83.2 - 122	6	20
1,3-Dichloropropane	51.8	µg/L	1	50.0	<0.0625	104	87.3 - 123	5	20
Dibromochloromethane	50.0	µg/L	1	50.0	<0.0791	100	81.4 - 130	7	20
1,2-Dibromoethane (EDB)	50.3	µg/L	1	50.0	<0.0460	101	91.4 - 118	6	20
Tetrachloroethene (PCE)	44.0	µg/L	1	50.0	<0.0696	88	51.8 - 111	7	20
Chlorobenzene	48.2	µg/L	1	50.0	<0.0217	96	83.9 - 113	6	20
1,1,1,2-Tetrachloroethane	46.4	µg/L	1	50.0	<0.125	93	79.5 - 127	4	20
Ethylbenzene	49.3	µg/L	1	50.0	<0.0566	99	75.4 - 121	6	20
m,p-Xylene	97.3	µg/L	1	100	<0.0363	97	74 - 124	6	20
Bromoform	49.3	µg/L	1	50.0	<0.0859	99	77.5 - 134	9	20
Styrene	48.0	µg/L	1	50.0	<0.0394	96	10 - 180	6	20
o-Xylene	49.9	µg/L	1	50.0	<0.0504	100	75.4 - 126	7	20
1,1,2,2-Tetrachloroethane	58.7	µg/L	1	50.0	<0.0672	117	86.4 - 122	8	20
2-Chlorotoluene	50.8	µg/L	1	50.0	<0.0283	102	69.2 - 128	7	20
1,2,3-Trichloropropane	53.1	µg/L	1	50.0	<0.0679	106	75.8 - 121	9	20
Isopropylbenzene	48.4	µg/L	1	50.0	<0.0406	97	69.6 - 127	7	20
Bromobenzene	53.2	µg/L	1	50.0	<0.103	106	77.1 - 125	7	20
n-Propylbenzene	51.1	µg/L	1	50.0	<0.0423	102	67.1 - 125	8	20
1,3,5-Trimethylbenzene	48.0	µg/L	1	50.0	<0.0557	96	66.1 - 126	7	20
tert-Butylbenzene	48.2	µg/L	1	50.0	<0.0770	96	63.9 - 126	7	20
1,2,4-Trimethylbenzene	48.8	µg/L	1	50.0	<0.0336	98	65 - 123	6	20
1,4-Dichlorobenzene (para)	47.4	µg/L	1	50.0	<0.0672	95	66.7 - 119	9	20
sec-Butylbenzene	50.2	µg/L	1	50.0	<0.0439	100	57.6 - 127	9	20
1,3-Dichlorobenzene (meta)	49.6	µg/L	1	50.0	<0.0672	99	78.8 - 118	8	20
p-Isopropyltoluene	48.3	µg/L	1	50.0	<0.0513	97	56.6 - 128	8	20
4-Chlorotoluene	50.7	µg/L	1	50.0	<0.0460	101	74 - 127	8	20
1,2-Dichlorobenzene (ortho)	49.4	µg/L	1	50.0	<0.0629	99	81.2 - 119	8	20
n-Butylbenzene	52.1	µg/L	1	50.0	<0.0400	104	50.4 - 130	10	20

continued . . .

[53] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dibromo-3-chloropropane	55.1	µg/L	1	50.0	<0.538	110	55.7 - 152	14	20
1,2,3-Trichlorobenzene	70.9	µg/L	1	50.0	<0.504	142	32.6 - 149	46	20
1,2,4-Trichlorobenzene	49.0	µg/L	1	50.0	<0.166	98	35.8 - 144	23	20
Naphthalene	68.8	µg/L	1	50.0	<0.417	138	36.7 - 156	42	20
Hexachlorobutadiene	41.6	µg/L	1	50.0	<0.176	83	39.6 - 125	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane [54]	57.7	56.5	µg/L	1	50	115	113	86.6 - 114
Toluene-d8	50.6	49.9	µg/L	1	50	101	100	91 - 109
4-Bromofluorobenzene (4-BFB)	51.5	50.9	µg/L	1	50	103	102	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 128727

QC Batch: 38659 Date Analyzed: 2007-06-28 Analyzed By: JG
Prep Batch: 33464 QC Preparation: 2007-06-28 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	58.3	µg/L	1	50.0	<0.0699	117	82.5 - 118
Dichlorodifluoromethane	53.4	µg/L	1	50.0	<0.0598	107	46.8 - 125
Chloromethane (methyl chloride)	54.7	µg/L	1	50.0	<0.230	109	67.1 - 127
Vinyl Chloride	57.7	µg/L	1	50.0	<0.0902	115	63.7 - 129
Bromomethane (methyl bromide) [55]	64.0	µg/L	1	50.0	<0.740	128	65.7 - 127
Chloroethane	63.2	µg/L	1	50.0	<0.195	126	69.9 - 131
Trichlorofluoromethane	56.4	µg/L	1	50.0	<0.160	113	60.2 - 134
Acetone	51.8	µg/L	1	50.0	<0.854	104	12.1 - 136
Iodomethane (methyl iodide)	52.9	µg/L	1	50.0	<0.112	106	75.7 - 115
Carbon Disulfide	57.9	µg/L	1	50.0	<0.0764	116	67.6 - 131
Acrylonitrile	52.3	µg/L	1	50.0	<0.184	105	79.9 - 131
2-Butanone (MEK)	50.7	µg/L	1	50.0	<0.394	101	28.7 - 137
4-Methyl-2-pentanone (MIBK)	46.4	µg/L	1	50.0	<0.484	93	77.1 - 122
2-Hexanone	55.6	µg/L	1	50.0	<0.0975	111	42.3 - 145
trans 1,4-Dichloro-2-butene	48.6	µg/L	1	50.0	<0.421	97	38.5 - 122
1,1-Dichloroethene	56.0	µg/L	1	50.0	<0.0736	112	78.7 - 119
Methylene chloride	58.2	µg/L	1	50.0	<0.689	116	64.9 - 121
MTBE	52.9	µg/L	1	50.0	<0.0504	106	46.6 - 162
trans-1,2-Dichloroethene	57.5	µg/L	1	50.0	<0.0598	115	75.1 - 119
1,1-Dichloroethane	58.6	µg/L	1	50.0	<0.0299	117	86.3 - 119
cis-1,2-Dichloroethene	57.1	µg/L	1	50.0	<0.101	114	82.6 - 116
2,2-Dichloropropane	34.3	µg/L	1	50.0	<0.0665	69	7.8 - 109
1,2-Dichloroethane (EDC)	59.8	µg/L	1	50.0	<0.0557	120	82.7 - 130
Chloroform	58.6	µg/L	1	50.0	<0.0475	117	83.6 - 119
1,1,1-Trichloroethane	56.7	µg/L	1	50.0	<0.0846	113	69.6 - 126
1,1-Dichloropropene	54.1	µg/L	1	50.0	<0.0423	108	79.2 - 121

continued ...

[54] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[55] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	54.4	µg/L	1	50.0	<0.0495	109	75.8 - 125
Carbon Tetrachloride	52.6	µg/L	1	50.0	<0.121	105	58.7 - 143
1,2-Dichloropropane	54.8	µg/L	1	50.0	<0.0933	110	88.4 - 117
Trichloroethene (TCE)	51.7	µg/L	1	50.0	<0.0495	103	83.6 - 112
Dibromomethane (methylene bromide)	52.4	µg/L	1	50.0	<0.0640	105	90.7 - 117
Bromodichloromethane	54.2	µg/L	1	50.0	<0.0651	108	83.4 - 127
2-Chloroethyl vinyl ether	56.7	µg/L	1	50.0	<0.0905	113	10 - 211
cis-1,3-Dichloropropene	51.2	µg/L	1	50.0	<0.0640	102	78.6 - 113
trans-1,3-Dichloropropene	53.6	µg/L	1	50.0	<0.0504	107	81.8 - 113
Toluene	52.3	µg/L	1	50.0	<0.0736	105	81.6 - 115
1,1,2-Trichloroethane	50.8	µg/L	1	50.0	<0.106	102	83.2 - 122
1,3-Dichloropropane	53.3	µg/L	1	50.0	<0.0625	107	87.3 - 123
Dibromochloromethane	50.7	µg/L	1	50.0	<0.0791	101	81.4 - 130
1,2-Dibromoethane (EDB)	47.9	µg/L	1	50.0	<0.0460	96	91.4 - 118
Tetrachloroethene (PCE)	45.8	µg/L	1	50.0	<0.0696	92	51.8 - 111
Chlorobenzene	51.2	µg/L	1	50.0	<0.0217	102	83.9 - 113
1,1,1,2-Tetrachloroethane	51.3	µg/L	1	50.0	<0.125	103	79.5 - 127
Ethylbenzene	52.8	µg/L	1	50.0	<0.0566	106	75.4 - 121
m,p-Xylene	106	µg/L	1	100	<0.0363	106	74 - 124
Bromoform	48.8	µg/L	1	50.0	<0.0859	98	77.5 - 134
Styrene	48.2	µg/L	1	50.0	<0.0394	96	10 - 180
o-Xylene	54.1	µg/L	1	50.0	<0.0504	108	75.4 - 126
1,1,2,2-Tetrachloroethane	51.3	µg/L	1	50.0	<0.0672	103	86.4 - 122
2-Chlorotoluene	50.6	µg/L	1	50.0	<0.0283	101	69.2 - 128
1,2,3-Trichloropropane	46.1	µg/L	1	50.0	<0.0679	92	75.8 - 121
Isopropylbenzene	49.1	µg/L	1	50.0	<0.0406	98	69.6 - 127
Bromobenzene	49.8	µg/L	1	50.0	<0.103	100	77.1 - 125
n-Propylbenzene	51.6	µg/L	1	50.0	<0.0423	103	67.1 - 125
1,3,5-Trimethylbenzene	49.8	µg/L	1	50.0	<0.0557	100	66.1 - 126
tert-Butylbenzene	50.6	µg/L	1	50.0	<0.0770	101	63.9 - 126
1,2,4-Trimethylbenzene	49.5	µg/L	1	50.0	<0.0336	99	65 - 123
1,4-Dichlorobenzene (para)	47.2	µg/L	1	50.0	<0.0672	94	66.7 - 119
sec-Butylbenzene	51.4	µg/L	1	50.0	<0.0439	103	57.6 - 127
1,3-Dichlorobenzene (meta)	48.6	µg/L	1	50.0	<0.0672	97	78.8 - 118
p-Isopropyltoluene	50.6	µg/L	1	50.0	<0.0513	101	56.6 - 128
4-Chlorotoluene	50.1	µg/L	1	50.0	<0.0460	100	74 - 127
1,2-Dichlorobenzene (ortho)	48.8	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	51.6	µg/L	1	50.0	<0.0400	103	50.4 - 130
1,2-Dibromo-3-chloropropane	42.0	µg/L	1	50.0	<0.538	84	55.7 - 152
1,2,3-Trichlorobenzene	35.0	µg/L	1	50.0	<0.504	70	32.6 - 149
1,2,4-Trichlorobenzene	38.8	µg/L	1	50.0	<0.166	78	35.8 - 144
Naphthalene	35.2	µg/L	1	50.0	<0.417	70	36.7 - 156
Hexachlorobutadiene	45.1	µg/L	1	50.0	<0.176	90	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	56.6	µg/L	1	50.0	<0.0699	113	82.5 - 118	3	20
Dichlorodifluoromethane	49.1	µg/L	1	50.0	<0.0598	98	46.8 - 125	8	20
Chloromethane (methyl chloride)	58.0	µg/L	1	50.0	<0.230	116	67.1 - 127	6	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Vinyl Chloride	58.9	µg/L	1	50.0	<0.0902	118	63.7 - 129	2	20
Bromomethane (methyl bromide)	62.4	µg/L	1	50.0	<0.740	125	65.7 - 127	2	20
Chloroethane	60.9	µg/L	1	50.0	<0.195	122	69.9 - 131	4	20
Trichlorofluoromethane	50.8	µg/L	1	50.0	<0.160	102	60.2 - 134	10	20
Acetone	54.0	µg/L	1	50.0	<0.854	108	12.1 - 136	4	20
Iodomethane (methyl iodide)	52.1	µg/L	1	50.0	<0.112	104	75.7 - 115	2	20
Carbon Disulfide	52.6	µg/L	1	50.0	<0.0764	105	67.6 - 131	10	20
Acrylonitrile	54.1	µg/L	1	50.0	<0.184	108	79.9 - 131	3	20
2-Butanone (MEK)	53.3	µg/L	1	50.0	<0.394	107	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	51.9	µg/L	1	50.0	<0.484	104	77.1 - 122	11	20
2-Hexanone	57.3	µg/L	1	50.0	<0.0975	115	42.3 - 145	3	20
trans 1,4-Dichloro-2-butene	47.7	µg/L	1	50.0	<0.421	95	38.5 - 122	2	20
1,1-Dichloroethene	52.0	µg/L	1	50.0	<0.0736	104	78.7 - 119	7	20
Methylene chloride	57.0	µg/L	1	50.0	<0.689	114	64.9 - 121	2	20
MTBE	54.4	µg/L	1	50.0	<0.0504	109	46.6 - 162	3	20
trans-1,2-Dichloroethene	53.7	µg/L	1	50.0	<0.0598	107	75.1 - 119	7	20
1,1-Dichloroethane	56.1	µg/L	1	50.0	<0.0299	112	86.3 - 119	4	20
cis-1,2-Dichloroethene	55.1	µg/L	1	50.0	<0.101	110	82.6 - 116	4	20
2,2-Dichloropropane	32.0	µg/L	1	50.0	<0.0665	64	7.8 - 109	7	20
1,2-Dichloroethane (EDC)	58.6	µg/L	1	50.0	<0.0557	117	82.7 - 130	2	20
Chloroform	56.1	µg/L	1	50.0	<0.0475	112	83.6 - 119	4	20
1,1,1-Trichloroethane	52.1	µg/L	1	50.0	<0.0846	104	69.6 - 126	8	20
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.0423	100	79.2 - 121	8	20
Benzene	52.5	µg/L	1	50.0	<0.0495	105	75.8 - 125	4	20
Carbon Tetrachloride	48.2	µg/L	1	50.0	<0.121	96	58.7 - 143	9	20
1,2-Dichloropropane	53.6	µg/L	1	50.0	<0.0933	107	88.4 - 117	2	20
Trichloroethene (TCE)	48.2	µg/L	1	50.0	<0.0495	96	83.6 - 112	7	20
Dibromomethane (methylene bromide)	53.3	µg/L	1	50.0	<0.0640	107	90.7 - 117	2	20
Bromodichloromethane	53.8	µg/L	1	50.0	<0.0651	108	83.4 - 127	1	20
2-Chloroethyl vinyl ether	55.4	µg/L	1	50.0	<0.0905	111	10 - 211	2	20
cis-1,3-Dichloropropene	50.7	µg/L	1	50.0	<0.0640	101	78.6 - 113	1	20
trans-1,3-Dichloropropene	52.2	µg/L	1	50.0	<0.0504	104	81.8 - 113	3	20
Toluene	49.1	µg/L	1	50.0	<0.0736	98	81.6 - 115	6	20
1,1,2-Trichloroethane	51.5	µg/L	1	50.0	<0.106	103	83.2 - 122	1	20
1,3-Dichloropropane	53.4	µg/L	1	50.0	<0.0625	107	87.3 - 123	0	20
Dibromochloromethane	51.3	µg/L	1	50.0	<0.0791	103	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	49.2	µg/L	1	50.0	<0.0460	98	91.4 - 118	3	20
Tetrachloroethene (PCE)	41.1	µg/L	1	50.0	<0.0696	82	51.8 - 111	11	20
Chlorobenzene	48.8	µg/L	1	50.0	<0.0217	98	83.9 - 113	5	20
1,1,1,2-Tetrachloroethane	49.8	µg/L	1	50.0	<0.125	100	79.5 - 127	3	20
Ethylbenzene	48.7	µg/L	1	50.0	<0.0566	97	75.4 - 121	8	20
m,p-Xylene	97.4	µg/L	1	100	<0.0363	97	74 - 124	8	20
Bromoform	49.6	µg/L	1	50.0	<0.0859	99	77.5 - 134	2	20
Styrene	44.6	µg/L	1	50.0	<0.0394	89	10 - 180	8	20
o-Xylene	49.8	µg/L	1	50.0	<0.0504	100	75.4 - 126	8	20
1,1,2,2-Tetrachloroethane	52.1	µg/L	1	50.0	<0.0672	104	86.4 - 122	2	20
2-Chlorotoluene	47.2	µg/L	1	50.0	<0.0283	94	69.2 - 128	7	20
1,2,3-Trichloropropane	47.8	µg/L	1	50.0	<0.0679	96	75.8 - 121	4	20
Isopropylbenzene	45.1	µg/L	1	50.0	<0.0406	90	69.6 - 127	8	20
Bromobenzene	48.4	µg/L	1	50.0	<0.103	97	77.1 - 125	3	20

continued . . .

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
n-Propylbenzene		46.7	µg/L	1	50.0	<0.0423	93	67.1 - 125	10	20
1,3,5-Trimethylbenzene		46.2	µg/L	1	50.0	<0.0557	92	66.1 - 126	8	20
tert-Butylbenzene		46.0	µg/L	1	50.0	<0.0770	92	63.9 - 126	10	20
1,2,4-Trimethylbenzene		46.0	µg/L	1	50.0	<0.0336	92	65 - 123	7	20
1,4-Dichlorobenzene (para)		45.1	µg/L	1	50.0	<0.0672	90	66.7 - 119	5	20
sec-Butylbenzene		45.5	µg/L	1	50.0	<0.0439	91	57.6 - 127	12	20
1,3-Dichlorobenzene (meta)		46.0	µg/L	1	50.0	<0.0672	92	78.8 - 118	6	20
p-Isopropyltoluene		45.3	µg/L	1	50.0	<0.0513	91	56.6 - 128	11	20
4-Chlorotoluene		46.7	µg/L	1	50.0	<0.0460	93	74 - 127	7	20
1,2-Dichlorobenzene (ortho)		47.2	µg/L	1	50.0	<0.0629	94	81.2 - 119	3	20
n-Butylbenzene		45.7	µg/L	1	50.0	<0.0400	91	50.4 - 130	12	20
1,2-Dibromo-3-chloropropane		46.5	µg/L	1	50.0	<0.538	93	55.7 - 152	10	20
1,2,3-Trichlorobenzene	[56]	52.1	µg/L	1	50.0	<0.504	104	32.6 - 149	39	20
1,2,4-Trichlorobenzene		45.1	µg/L	1	50.0	<0.166	90	35.8 - 144	15	20
Naphthalene	[57]	53.2	µg/L	1	50.0	<0.417	106	36.7 - 156	41	20
Hexachlorobutadiene		42.2	µg/L	1	50.0	<0.176	84	39.6 - 125	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	[58]	58.1	56.9	µg/L	1	50	116	114	86.6 - 114
Toluene-d8		50.1	51.2	µg/L	1	50	100	102	91 - 109
4-Bromofluorobenzene (4-BFB)		49.2	47.7	µg/L	1	50	98	95	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 129007

QC Batch: 38775 | Date Analyzed: 2007-07-03 | Analyzed By: JG
Prep Batch: 33555 | QC Preparation: 2007-07-03 | Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		55.2	µg/L	1	50.0	<0.0699	110	82.5 - 118
Dichlorodifluoromethane		55.2	µg/L	1	50.0	<0.0598	110	46.8 - 125
Chloromethane (methyl chloride)		59.7	µg/L	1	50.0	<0.230	119	67.1 - 127
Vinyl Chloride		61.8	µg/L	1	50.0	<0.0902	124	63.7 - 129
Bromomethane (methyl bromide)		59.4	µg/L	1	50.0	<0.740	119	65.7 - 127
Chloroethane		60.1	µg/L	1	50.0	<0.195	120	69.9 - 131
Trichlorofluoromethane		58.0	µg/L	1	50.0	<0.160	116	60.2 - 134
Acetone		160	µg/L	1	50.0	117	86	12.1 - 136
Iodomethane (methyl iodide)		53.6	µg/L	1	50.0	<0.112	107	75.7 - 115
Carbon Disulfide		57.7	µg/L	1	50.0	<0.0764	115	67.6 - 131
Acrylonitrile		56.7	µg/L	1	50.0	<0.184	113	79.9 - 131
2-Butanone (MEK)		107	µg/L	1	50.0	54.8	104	28.7 - 137
4-Methyl-2-pentanone (MIBK)	[59]	68.7	µg/L	1	50.0	<0.484	137	77.1 - 122

continued ...

[56] RPD out of control limits due to carryover. LCS/LCSD show analysis to be in control. •
[57] RPD out of control limits due to carryover. LCS/LCSD show analysis to be in control. •
[58] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.
[59] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Hexanone	[60]	104	µg/L	1	50.0	26	156	42.3 - 145
trans 1,4-Dichloro-2-butene		58.0	µg/L	1	50.0	<0.421	116	38.5 - 122
1,1-Dichloroethene		53.4	µg/L	1	50.0	<0.0736	107	78.7 - 119
Methylene chloride		50.8	µg/L	1	50.0	<0.689	102	64.9 - 121
MTBE		57.2	µg/L	1	50.0	<0.0504	114	46.6 - 162
trans-1,2-Dichloroethene		54.0	µg/L	1	50.0	<0.0598	108	75.1 - 119
1,1-Dichloroethane		56.8	µg/L	1	50.0	<0.0299	114	86.3 - 119
cis-1,2-Dichloroethene		55.2	µg/L	1	50.0	<0.101	110	82.6 - 116
2,2-Dichloropropane		33.7	µg/L	1	50.0	<0.0665	67	7.8 - 109
1,2-Dichloroethane (EDC)		67.8	µg/L	1	50.0	11.1	113	82.7 - 130
Chloroform		56.0	µg/L	1	50.0	<0.0475	112	83.6 - 119
1,1,1-Trichloroethane		54.6	µg/L	1	50.0	<0.0846	109	69.6 - 126
1,1-Dichloropropene		52.1	µg/L	1	50.0	<0.0423	104	79.2 - 121
Benzene		102	µg/L	1	50.0	53.7	97	75.8 - 125
Carbon Tetrachloride		52.4	µg/L	1	50.0	<0.121	105	58.7 - 143
1,2-Dichloropropane		54.1	µg/L	1	50.0	<0.0933	108	88.4 - 117
Trichloroethene (TCE)		50.0	µg/L	1	50.0	<0.0495	100	83.6 - 112
Dibromomethane (methylene bromide)		52.2	µg/L	1	50.0	<0.0640	104	90.7 - 117
Bromodichloromethane		54.8	µg/L	1	50.0	<0.0651	110	83.4 - 127
2-Chloroethyl vinyl ether		53.7	µg/L	1	50.0	<0.0905	107	10 - 211
cis-1,3-Dichloropropene		51.6	µg/L	1	50.0	<0.0640	103	78.6 - 113
trans-1,3-Dichloropropene		52.2	µg/L	1	50.0	<0.0504	104	81.8 - 113
Toluene		166	µg/L	1	50.0	124	84	81.6 - 115
1,1,2-Trichloroethane		51.6	µg/L	1	50.0	<0.106	103	83.2 - 122
1,3-Dichloropropane		51.9	µg/L	1	50.0	<0.0625	104	87.3 - 123
Dibromochloromethane		54.8	µg/L	1	50.0	<0.0791	110	81.4 - 130
1,2-Dibromoethane (EDB)		107	µg/L	1	50.0	54.2	106	91.4 - 118
Tetrachloroethene (PCE)		44.8	µg/L	1	50.0	<0.0696	90	51.8 - 111
Chlorobenzene		49.4	µg/L	1	50.0	<0.0217	99	83.9 - 113
1,1,1,2-Tetrachloroethane		54.3	µg/L	1	50.0	<0.125	109	79.5 - 127
Ethylbenzene		59.4	µg/L	1	50.0	7.17	104	75.4 - 121
m,p-Xylene		134	µg/L	1	100	33	101	74 - 124
Bromoform		58.4	µg/L	1	50.0	<0.0859	117	77.5 - 134
Styrene		35.1	µg/L	1	50.0	<0.0394	70	10 - 180
o-Xylene		80.9	µg/L	1	50.0	26.8	108	75.4 - 126
1,1,2,2-Tetrachloroethane		58.9	µg/L	1	50.0	<0.0672	118	86.4 - 122
2-Chlorotoluene		48.3	µg/L	1	50.0	<0.0283	97	69.2 - 128
1,2,3-Trichloropropane		51.0	µg/L	1	50.0	<0.0679	102	75.8 - 121
Isopropylbenzene		48.4	µg/L	1	50.0	<0.0406	97	69.6 - 127
Bromobenzene		48.4	µg/L	1	50.0	<0.103	97	77.1 - 125
n-Propylbenzene		48.7	µg/L	1	50.0	<0.0423	97	67.1 - 125
1,3,5-Trimethylbenzene		51.1	µg/L	1	50.0	1.89	98	66.1 - 126
tert-Butylbenzene		50.6	µg/L	1	50.0	<0.0770	101	63.9 - 126
1,2,4-Trimethylbenzene		62.6	µg/L	1	50.0	11.2	103	65 - 123
1,4-Dichlorobenzene (para)		48.7	µg/L	1	50.0	<0.0672	97	66.7 - 119
sec-Butylbenzene		50.4	µg/L	1	50.0	<0.0439	101	57.6 - 127
1,3-Dichlorobenzene (meta)		49.7	µg/L	1	50.0	<0.0672	99	78.8 - 118
p-Isopropyltoluene		50.6	µg/L	1	50.0	<0.0513	101	56.6 - 128
4-Chlorotoluene		48.5	µg/L	1	50.0	<0.0460	97	74 - 127

continued ...

[60] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dichlorobenzene (ortho)		51.4	µg/L	1	50.0	<0.0629	103	81.2 - 119
n-Butylbenzene		53.4	µg/L	1	50.0	<0.0400	107	50.4 - 130
1,2-Dibromo-3-chloropropane		58.2	µg/L	1	50.0	<0.538	116	55.7 - 152
1,2,3-Trichlorobenzene	[61]	77.5	µg/L	1	50.0	<0.504	155	32.6 - 149
1,2,4-Trichlorobenzene		63.7	µg/L	1	50.0	<0.166	127	35.8 - 144
Naphthalene	[62]	204	µg/L	1	50.0	89.1	230	36.7 - 156
Hexachlorobutadiene		44.2	µg/L	1	50.0	<0.176	88	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		54.1	µg/L	1	50.0	<0.0699	108	82.5 - 118	2	20
Dichlorodifluoromethane		57.1	µg/L	1	50.0	<0.0598	114	46.8 - 125	3	20
Chloromethane (methyl chloride)		56.7	µg/L	1	50.0	<0.230	113	67.1 - 127	5	20
Vinyl Chloride		59.9	µg/L	1	50.0	<0.0902	120	63.7 - 129	3	20
Bromomethane (methyl bromide)		56.0	µg/L	1	50.0	<0.740	112	65.7 - 127	6	20
Chloroethane		57.6	µg/L	1	50.0	<0.195	115	69.9 - 131	4	20
Trichlorofluoromethane		57.1	µg/L	1	50.0	<0.160	114	60.2 - 134	2	20
Acetone		164	µg/L	1	50.0	117	94	12.1 - 136	2	20
Iodomethane (methyl iodide)		53.6	µg/L	1	50.0	<0.112	107	75.7 - 115	0	20
Carbon Disulfide		57.6	µg/L	1	50.0	<0.0764	115	67.6 - 131	0	20
Acrylonitrile		56.7	µg/L	1	50.0	<0.184	113	79.9 - 131	0	20
2-Butanone (MEK)		110	µg/L	1	50.0	54.8	110	28.7 - 137	3	20
4-Methyl-2-pentanone (MIBK)	[63]	70.4	µg/L	1	50.0	<0.484	141	77.1 - 122	2	20
2-Hexanone	[64]	103	µg/L	1	50.0	26	154	42.3 - 145	1	20
trans 1,4-Dichloro-2-butene		58.3	µg/L	1	50.0	<0.421	117	38.5 - 122	0	20
1,1-Dichloroethene		52.8	µg/L	1	50.0	<0.0736	106	78.7 - 119	1	20
Methylene chloride		50.0	µg/L	1	50.0	<0.689	100	64.9 - 121	2	20
MTBE		57.4	µg/L	1	50.0	<0.0504	115	46.6 - 162	0	20
trans-1,2-Dichloroethene		53.0	µg/L	1	50.0	<0.0598	106	75.1 - 119	2	20
1,1-Dichloroethane		55.8	µg/L	1	50.0	<0.0299	112	86.3 - 119	2	20
cis-1,2-Dichloroethene		54.6	µg/L	1	50.0	<0.101	109	82.6 - 116	1	20
2,2-Dichloropropane		32.9	µg/L	1	50.0	<0.0665	66	7.8 - 109	2	20
1,2-Dichloroethane (EDC)		65.1	µg/L	1	50.0	11.1	108	82.7 - 130	4	20
Chloroform		54.8	µg/L	1	50.0	<0.0475	110	83.6 - 119	2	20
1,1,1-Trichloroethane		54.7	µg/L	1	50.0	<0.0846	109	69.6 - 126	0	20
1,1-Dichloropropene		52.1	µg/L	1	50.0	<0.0423	104	79.2 - 121	0	20
Benzene		100	µg/L	1	50.0	53.7	93	75.8 - 125	2	20
Carbon Tetrachloride		53.5	µg/L	1	50.0	<0.121	107	58.7 - 143	2	20
1,2-Dichloropropane		54.0	µg/L	1	50.0	<0.0933	108	88.4 - 117	0	20
Trichloroethene (TCE)		50.5	µg/L	1	50.0	<0.0495	101	83.6 - 112	1	20
Dibromomethane (methylene bromide)		52.5	µg/L	1	50.0	<0.0640	105	90.7 - 117	1	20
Bromodichloromethane		55.4	µg/L	1	50.0	<0.0651	111	83.4 - 127	1	20
2-Chloroethyl vinyl ether		53.6	µg/L	1	50.0	<0.0905	107	10 - 211	0	20
cis-1,3-Dichloropropene		52.2	µg/L	1	50.0	<0.0640	104	78.6 - 113	1	20
trans-1,3-Dichloropropene		52.4	µg/L	1	50.0	<0.0504	105	81.8 - 113	0	20

continued ...

[61] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[62] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[63] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[64] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	[65]	161	µg/L	1	50.0	124	74	81.6 - 115	3	20
1,1,2-Trichloroethane		51.5	µg/L	1	50.0	<0.106	103	83.2 - 122	0	20
1,3-Dichloropropane		51.3	µg/L	1	50.0	<0.0625	103	87.3 - 123	1	20
Dibromochloromethane		55.2	µg/L	1	50.0	<0.0791	110	81.4 - 130	1	20
1,2-Dibromoethane (EDB)		107	µg/L	1	50.0	54.2	106	91.4 - 118	0	20
Tetrachloroethene (PCE)		45.3	µg/L	1	50.0	<0.0696	91	51.8 - 111	1	20
Chlorobenzene		48.6	µg/L	1	50.0	<0.0217	97	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane		53.6	µg/L	1	50.0	<0.125	107	79.5 - 127	1	20
Ethylbenzene		57.6	µg/L	1	50.0	7.17	101	75.4 - 121	3	20
m,p-Xylene		131	µg/L	1	100	33	98	74 - 124	2	20
Bromoform		61.0	µg/L	1	50.0	<0.0859	122	77.5 - 134	4	20
Styrene		34.2	µg/L	1	50.0	<0.0394	68	10 - 180	3	20
o-Xylene		78.6	µg/L	1	50.0	26.8	104	75.4 - 126	3	20
1,1,2,2-Tetrachloroethane		59.5	µg/L	1	50.0	<0.0672	119	86.4 - 122	1	20
2-Chlorotoluene		48.3	µg/L	1	50.0	<0.0283	97	69.2 - 128	0	20
1,2,3-Trichloropropane		51.5	µg/L	1	50.0	<0.0679	103	75.8 - 121	1	20
Isopropylbenzene		48.4	µg/L	1	50.0	<0.0406	97	69.6 - 127	0	20
Bromobenzene		48.5	µg/L	1	50.0	<0.103	97	77.1 - 125	0	20
n-Propylbenzene		48.4	µg/L	1	50.0	<0.0423	97	67.1 - 125	1	20
1,3,5-Trimethylbenzene		51.2	µg/L	1	50.0	1.89	99	66.1 - 126	0	20
tert-Butylbenzene		50.6	µg/L	1	50.0	<0.0770	101	63.9 - 126	0	20
1,2,4-Trimethylbenzene		62.1	µg/L	1	50.0	11.2	102	65 - 123	1	20
1,4-Dichlorobenzene (para)		48.6	µg/L	1	50.0	<0.0672	97	66.7 - 119	0	20
sec-Butylbenzene		50.9	µg/L	1	50.0	<0.0439	102	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)		49.9	µg/L	1	50.0	<0.0672	100	78.8 - 118	0	20
p-Isopropyltoluene		52.2	µg/L	1	50.0	<0.0513	104	56.6 - 128	3	20
4-Chlorotoluene		48.6	µg/L	1	50.0	<0.0460	97	74 - 127	0	20
1,2-Dichlorobenzene (ortho)		52.2	µg/L	1	50.0	<0.0629	104	81.2 - 119	2	20
n-Butylbenzene		54.6	µg/L	1	50.0	<0.0400	109	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane		66.4	µg/L	1	50.0	<0.538	133	55.7 - 152	13	20
1,2,3-Trichlorobenzene	[66]	100	µg/L	1	50.0	<0.504	200	32.6 - 149	25	20
1,2,4-Trichlorobenzene		71.9	µg/L	1	50.0	<0.166	144	35.8 - 144	12	20
Naphthalene	[67]	255	µg/L	1	50.0	89.1	332	36.7 - 156	22	20
Hexachlorobutadiene		47.9	µg/L	1	50.0	<0.176	96	39.6 - 125	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	55.2	53.3	µg/L	1	50	110	107	86.6 - 114
Toluene-d8	49.0	48.6	µg/L	1	50	98	97	91 - 109
4-Bromofluorobenzene (4-BFB)	53.2	52.0	µg/L	1	50	106	104	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 129151

QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	QC Preparation:	2007-07-06	Prepared By:	JG

[65] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[66] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[67] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.4	µg/L	1	50.0	<0.0699	105	82.5 - 118
Dichlorodifluoromethane	49.7	µg/L	1	50.0	<0.0598	99	46.8 - 125
Chloromethane (methyl chloride)	51.4	µg/L	1	50.0	<0.230	103	67.1 - 127
Vinyl Chloride	52.1	µg/L	1	50.0	<0.0902	104	63.7 - 129
Bromomethane (methyl bromide)	54.5	µg/L	1	50.0	<0.740	109	65.7 - 127
Chloroethane	54.0	µg/L	1	50.0	<0.195	108	69.9 - 131
Trichlorofluoromethane	54.5	µg/L	1	50.0	<0.160	109	60.2 - 134
Acetone	47.4	µg/L	1	50.0	<0.854	95	12.1 - 136
Iodomethane (methyl iodide)	51.0	µg/L	1	50.0	<0.112	102	75.7 - 115
Carbon Disulfide	51.9	µg/L	1	50.0	<0.0764	104	67.6 - 131
Acrylonitrile	56.1	µg/L	1	50.0	<0.184	112	79.9 - 131
2-Butanone (MEK)	51.5	µg/L	1	50.0	<0.394	103	28.7 - 137
4-Methyl-2-pentanone (MIBK)	52.2	µg/L	1	50.0	<0.484	104	77.1 - 122
2-Hexanone	59.8	µg/L	1	50.0	<0.0975	120	42.3 - 145
trans 1,4-Dichloro-2-butene	53.9	µg/L	1	50.0	<0.421	108	38.5 - 122
1,1-Dichloroethene	50.9	µg/L	1	50.0	<0.0736	102	78.7 - 119
Methylene chloride	50.4	µg/L	1	50.0	<0.689	101	64.9 - 121
MTBE	52.2	µg/L	1	50.0	<0.0504	104	46.6 - 162
trans-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.0598	103	75.1 - 119
1,1-Dichloroethane	50.8	µg/L	1	50.0	<0.0299	102	86.3 - 119
cis-1,2-Dichloroethene	51.9	µg/L	1	50.0	<0.101	104	82.6 - 116
2,2-Dichloropropane	43.5	µg/L	1	50.0	<0.0665	87	7.8 - 109
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.7 - 130
Chloroform	52.0	µg/L	1	50.0	<0.0475	104	83.6 - 119
1,1,1-Trichloroethane	51.0	µg/L	1	50.0	<0.0846	102	69.6 - 126
1,1-Dichloropropene	50.3	µg/L	1	50.0	<0.0423	101	79.2 - 121
Benzene	51.1	µg/L	1	50.0	<0.0495	102	75.8 - 125
Carbon Tetrachloride	50.5	µg/L	1	50.0	<0.121	101	58.7 - 143
1,2-Dichloropropane	51.5	µg/L	1	50.0	<0.0933	103	88.4 - 117
Trichloroethene (TCE)	49.3	µg/L	1	50.0	<0.0495	99	83.6 - 112
Dibromomethane (methylene bromide)	50.9	µg/L	1	50.0	<0.0640	102	90.7 - 117
Bromodichloromethane	51.2	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	52.2	µg/L	1	50.0	<0.0905	104	10 - 211
cis-1,3-Dichloropropene	50.8	µg/L	1	50.0	<0.0640	102	78.6 - 113
trans-1,3-Dichloropropene	52.7	µg/L	1	50.0	<0.0504	105	81.8 - 113
Toluene	49.0	µg/L	1	50.0	<0.0736	98	81.6 - 115
1,1,2-Trichloroethane	50.5	µg/L	1	50.0	<0.106	101	83.2 - 122
1,3-Dichloropropane	51.2	µg/L	1	50.0	<0.0625	102	87.3 - 123
Dibromochloromethane	51.1	µg/L	1	50.0	<0.0791	102	81.4 - 130
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)	45.6	µg/L	1	50.0	<0.0696	91	51.8 - 111
Chlorobenzene	48.4	µg/L	1	50.0	<0.0217	97	83.9 - 113
1,1,1,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.125	104	79.5 - 127
Ethylbenzene	50.9	µg/L	1	50.0	<0.0566	102	75.4 - 121
m,p-Xylene	103	µg/L	1	100	<0.0363	103	74 - 124
Bromoform	54.7	µg/L	1	50.0	<0.0859	109	77.5 - 134
Styrene	54.8	µg/L	1	50.0	<0.0394	110	10 - 180
o-Xylene	52.8	µg/L	1	50.0	<0.0504	106	75.4 - 126
1,1,2,2-Tetrachloroethane	53.3	µg/L	1	50.0	<0.0672	107	86.4 - 122
2-Chlorotoluene	48.1	µg/L	1	50.0	<0.0283	96	69.2 - 128
1,2,3-Trichloropropane	47.4	µg/L	1	50.0	<0.0679	95	75.8 - 121

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene	48.0	µg/L	1	50.0	<0.0406	96	69.6 - 127
Bromobenzene	47.4	µg/L	1	50.0	<0.103	95	77.1 - 125
n-Propylbenzene	47.6	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	48.7	µg/L	1	50.0	<0.0557	97	66.1 - 126
tert-Butylbenzene	49.0	µg/L	1	50.0	<0.0770	98	63.9 - 126
1,2,4-Trimethylbenzene	49.8	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.0672	94	66.7 - 119
sec-Butylbenzene	49.4	µg/L	1	50.0	<0.0439	99	57.6 - 127
1,3-Dichlorobenzene (meta)	48.1	µg/L	1	50.0	<0.0672	96	78.8 - 118
p-Isopropyltoluene	49.8	µg/L	1	50.0	<0.0513	100	56.6 - 128
4-Chlorotoluene	48.3	µg/L	1	50.0	<0.0460	97	74 - 127
1,2-Dichlorobenzene (ortho)	49.7	µg/L	1	50.0	<0.0629	99	81.2 - 119
n-Butylbenzene	50.3	µg/L	1	50.0	<0.0400	101	50.4 - 130
1,2-Dibromo-3-chloropropane	50.0	µg/L	1	50.0	<0.538	100	55.7 - 152
1,2,3-Trichlorobenzene	46.6	µg/L	1	50.0	<0.504	93	32.6 - 149
1,2,4-Trichlorobenzene	48.7	µg/L	1	50.0	<0.166	97	35.8 - 144
Naphthalene	48.3	µg/L	1	50.0	<0.417	97	36.7 - 156
Hexachlorobutadiene	45.5	µg/L	1	50.0	<0.176	91	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.0	µg/L	1	50.0	<0.0699	102	82.5 - 118	3	20
Dichlorodifluoromethane	48.7	µg/L	1	50.0	<0.0598	97	46.8 - 125	2	20
Chloromethane (methyl chloride)	52.5	µg/L	1	50.0	<0.230	105	67.1 - 127	2	20
Vinyl Chloride	52.8	µg/L	1	50.0	<0.0902	106	63.7 - 129	1	20
Bromomethane (methyl bromide)	52.7	µg/L	1	50.0	<0.740	105	65.7 - 127	3	20
Chloroethane	52.2	µg/L	1	50.0	<0.195	104	69.9 - 131	3	20
Trichlorofluoromethane	53.0	µg/L	1	50.0	<0.160	106	60.2 - 134	3	20
Acetone	46.0	µg/L	1	50.0	<0.854	92	12.1 - 136	3	20
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.112	100	75.7 - 115	2	20
Carbon Disulfide	49.7	µg/L	1	50.0	<0.0764	99	67.6 - 131	4	20
Acrylonitrile	53.6	µg/L	1	50.0	<0.184	107	79.9 - 131	5	20
2-Butanone (MEK)	49.0	µg/L	1	50.0	<0.394	98	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	51.4	µg/L	1	50.0	<0.484	103	77.1 - 122	2	20
2-Hexanone	55.2	µg/L	1	50.0	<0.0975	110	42.3 - 145	8	20
trans 1,4-Dichloro-2-butene	49.1	µg/L	1	50.0	<0.421	98	38.5 - 122	9	20
1,1-Dichloroethene	49.8	µg/L	1	50.0	<0.0736	100	78.7 - 119	2	20
Methylene chloride	48.0	µg/L	1	50.0	<0.689	96	64.9 - 121	5	20
MTBE	51.2	µg/L	1	50.0	<0.0504	102	46.6 - 162	2	20
trans-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.0598	100	75.1 - 119	3	20
1,1-Dichloroethane	50.0	µg/L	1	50.0	<0.0299	100	86.3 - 119	2	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.101	102	82.6 - 116	2	20
2,2-Dichloropropane	41.4	µg/L	1	50.0	<0.0665	83	7.8 - 109	5	20
1,2-Dichloroethane (EDC)	50.0	µg/L	1	50.0	<0.0557	100	82.7 - 130	3	20
Chloroform	50.6	µg/L	1	50.0	<0.0475	101	83.6 - 119	3	20
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.0846	99	69.6 - 126	3	20
1,1-Dichloropropene	50.0	µg/L	1	50.0	<0.0423	100	79.2 - 121	1	20
Benzene	50.3	µg/L	1	50.0	<0.0495	101	75.8 - 125	2	20
Carbon Tetrachloride	50.4	µg/L	1	50.0	<0.121	101	58.7 - 143	0	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloropropane	50.8	µg/L	1	50.0	<0.0933	102	88.4 - 117	1	20
Trichloroethene (TCE)	48.9	µg/L	1	50.0	<0.0495	98	83.6 - 112	1	20
Dibromomethane (methylene bromide)	49.9	µg/L	1	50.0	<0.0640	100	90.7 - 117	2	20
Bromodichloromethane	50.4	µg/L	1	50.0	<0.0651	101	83.4 - 127	2	20
2-Chloroethyl vinyl ether	51.5	µg/L	1	50.0	<0.0905	103	10 - 211	1	20
cis-1,3-Dichloropropene	50.2	µg/L	1	50.0	<0.0640	100	78.6 - 113	1	20
trans-1,3-Dichloropropene	51.4	µg/L	1	50.0	<0.0504	103	81.8 - 113	2	20
Toluene	47.9	µg/L	1	50.0	<0.0736	96	81.6 - 115	2	20
1,1,2-Trichloroethane	50.1	µg/L	1	50.0	<0.106	100	83.2 - 122	1	20
1,3-Dichloropropane	50.8	µg/L	1	50.0	<0.0625	102	87.3 - 123	1	20
Dibromochloromethane	51.2	µg/L	1	50.0	<0.0791	102	81.4 - 130	0	20
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.0460	103	91.4 - 118	0	20
Tetrachloroethene (PCE)	46.7	µg/L	1	50.0	<0.0696	93	51.8 - 111	2	20
Chlorobenzene	48.2	µg/L	1	50.0	<0.0217	96	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.125	102	79.5 - 127	1	20
Ethylbenzene	50.2	µg/L	1	50.0	<0.0566	100	75.4 - 121	1	20
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124	2	20
Bromoform	54.5	µg/L	1	50.0	<0.0859	109	77.5 - 134	0	20
Styrene	53.5	µg/L	1	50.0	<0.0394	107	10 - 180	2	20
o-Xylene	51.8	µg/L	1	50.0	<0.0504	104	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane	51.4	µg/L	1	50.0	<0.0672	103	86.4 - 122	4	20
2-Chlorotoluene	48.3	µg/L	1	50.0	<0.0283	97	69.2 - 128	0	20
1,2,3-Trichloropropane	48.0	µg/L	1	50.0	<0.0679	96	75.8 - 121	1	20
Isopropylbenzene	48.6	µg/L	1	50.0	<0.0406	97	69.6 - 127	1	20
Bromobenzene	48.2	µg/L	1	50.0	<0.103	96	77.1 - 125	2	20
n-Propylbenzene	47.5	µg/L	1	50.0	<0.0423	95	67.1 - 125	0	20
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.0557	98	66.1 - 126	1	20
tert-Butylbenzene	49.4	µg/L	1	50.0	<0.0770	99	63.9 - 126	1	20
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.0336	99	65 - 123	0	20
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.0672	94	66.7 - 119	0	20
sec-Butylbenzene	49.8	µg/L	1	50.0	<0.0439	100	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)	49.1	µg/L	1	50.0	<0.0672	98	78.8 - 118	2	20
p-Isopropyltoluene	50.3	µg/L	1	50.0	<0.0513	101	56.6 - 128	1	20
4-Chlorotoluene	48.4	µg/L	1	50.0	<0.0460	97	74 - 127	0	20
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	81.2 - 119	1	20
n-Butylbenzene	50.4	µg/L	1	50.0	<0.0400	101	50.4 - 130	0	20
1,2-Dibromo-3-chloropropane	51.0	µg/L	1	50.0	<0.538	102	55.7 - 152	2	20
1,2,3-Trichlorobenzene [68]	58.8	µg/L	1	50.0	<0.504	118	32.6 - 149	23	20
1,2,4-Trichlorobenzene	52.2	µg/L	1	50.0	<0.166	104	35.8 - 144	7	20
Naphthalene [69]	61.2	µg/L	1	50.0	<0.417	122	36.7 - 156	24	20
Hexachlorobutadiene	47.1	µg/L	1	50.0	<0.176	94	39.6 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.1	49.7	µg/L	1	50	102	99	86.6 - 114
Toluene-d8	48.5	49.4	µg/L	1	50	97	99	91 - 109
4-Bromofluorobenzene (4-BFB)	52.0	51.1	µg/L	1	50	104	102	87.2 - 113

[68] RPD out of control due to carryover. •
[69] RPD out of control due to carryover. •

Matrix Spike (MS-1) Spiked Sample: 129894

QC Batch: 39093 Date Analyzed: 2007-07-14 Analyzed By: JG
Prep Batch: 33839 QC Preparation: 2007-07-14 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.8	µg/L	1	50.0	<0.0699	100	82.5 - 118
Dichlorodifluoromethane	41.4	µg/L	1	50.0	<0.0598	83	46.8 - 125
Chloromethane (methyl chloride)	45.8	µg/L	1	50.0	<0.230	92	67.1 - 127
Vinyl Chloride	47.3	µg/L	1	50.0	<0.0902	95	63.7 - 129
Bromomethane (methyl bromide)	45.0	µg/L	1	50.0	<0.740	90	65.7 - 127
Chloroethane	46.4	µg/L	1	50.0	<0.195	93	69.9 - 131
Trichlorofluoromethane	49.4	µg/L	1	50.0	<0.160	99	60.2 - 134
Acetone	51.7	µg/L	1	50.0	<0.854	103	12.1 - 136
Iodomethane (methyl iodide)	49.5	µg/L	1	50.0	<0.112	99	75.7 - 115
Carbon Disulfide	45.5	µg/L	1	50.0	<0.0764	91	67.6 - 131
Acrylonitrile	51.5	µg/L	1	50.0	<0.184	103	79.9 - 131
2-Butanone (MEK)	49.4	µg/L	1	50.0	<0.394	99	28.7 - 137
4-Methyl-2-pentanone (MIBK)	55.0	µg/L	1	50.0	<0.484	110	77.1 - 122
2-Hexanone	53.6	µg/L	1	50.0	<0.0975	107	42.3 - 145
trans 1,4-Dichloro-2-butene	35.3	µg/L	1	50.0	<0.421	71	38.5 - 122
1,1-Dichloroethene	47.3	µg/L	1	50.0	<0.0736	95	78.7 - 119
Methylene chloride	46.6	µg/L	1	50.0	<0.689	93	64.9 - 121
MTBE	50.1	µg/L	1	50.0	<0.0504	100	46.6 - 162
trans-1,2-Dichloroethene	47.7	µg/L	1	50.0	<0.0598	95	75.1 - 119
1,1-Dichloroethane	48.1	µg/L	1	50.0	<0.0299	96	86.3 - 119
cis-1,2-Dichloroethene	49.4	µg/L	1	50.0	<0.101	99	82.6 - 116
2,2-Dichloropropane	17.4	µg/L	1	50.0	<0.0665	35	7.8 - 109
1,2-Dichloroethane (EDC)	47.9	µg/L	1	50.0	<0.0557	96	82.7 - 130
Chloroform	48.0	µg/L	1	50.0	<0.0475	96	83.6 - 119
1,1,1-Trichloroethane	47.4	µg/L	1	50.0	<0.0846	95	69.6 - 126
1,1-Dichloropropene	47.7	µg/L	1	50.0	<0.0423	95	79.2 - 121
Benzene	48.9	µg/L	1	50.0	<0.0495	98	75.8 - 125
Carbon Tetrachloride	49.4	µg/L	1	50.0	<0.121	99	58.7 - 143
1,2-Dichloropropane	49.2	µg/L	1	50.0	<0.0933	98	88.4 - 117
Trichloroethene (TCE)	49.3	µg/L	1	50.0	<0.0495	99	83.6 - 112
Dibromomethane (methylene bromide)	49.4	µg/L	1	50.0	<0.0640	99	90.7 - 117
Bromodichloromethane	49.8	µg/L	1	50.0	<0.0651	100	83.4 - 127
2-Chloroethyl vinyl ether	49.9	µg/L	1	50.0	<0.0905	100	10 - 211
cis-1,3-Dichloropropene	44.2	µg/L	1	50.0	<0.0640	88	78.6 - 113
trans-1,3-Dichloropropene	43.7	µg/L	1	50.0	<0.0504	87	81.8 - 113
Toluene	46.4	µg/L	1	50.0	<0.0736	93	81.6 - 115
1,1,2-Trichloroethane	47.9	µg/L	1	50.0	<0.106	96	83.2 - 122
1,3-Dichloropropane	48.3	µg/L	1	50.0	<0.0625	97	87.3 - 123
Dibromochloromethane	51.0	µg/L	1	50.0	<0.0791	102	81.4 - 130
1,2-Dibromoethane (EDB)	50.9	µg/L	1	50.0	<0.0460	102	91.4 - 118
Tetrachloroethene (PCE)	44.9	µg/L	1	50.0	<0.0696	90	51.8 - 111
Chlorobenzene	46.5	µg/L	1	50.0	<0.0217	93	83.9 - 113
1,1,1,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.125	100	79.5 - 127
Ethylbenzene	47.0	µg/L	1	50.0	<0.0566	94	75.4 - 121
m,p-Xylene	93.9	µg/L	1	100	<0.0363	94	74 - 124
Bromoform	54.4	µg/L	1	50.0	<0.0859	109	77.5 - 134

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	50.1	µg/L	1	50.0	<0.0394	100	10 - 180
o-Xylene	48.5	µg/L	1	50.0	<0.0504	97	75.4 - 126
1,1,2,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.0672	100	86.4 - 122
2-Chlorotoluene	46.0	µg/L	1	50.0	<0.0283	92	69.2 - 128
1,2,3-Trichloropropane	44.8	µg/L	1	50.0	<0.0679	90	75.8 - 121
Isopropylbenzene	46.8	µg/L	1	50.0	<0.0406	94	69.6 - 127
Bromobenzene	46.0	µg/L	1	50.0	<0.103	92	77.1 - 125
n-Propylbenzene	44.6	µg/L	1	50.0	<0.0423	89	67.1 - 125
1,3,5-Trimethylbenzene	45.9	µg/L	1	50.0	<0.0557	92	66.1 - 126
tert-Butylbenzene	47.2	µg/L	1	50.0	<0.0770	94	63.9 - 126
1,2,4-Trimethylbenzene	47.0	µg/L	1	50.0	<0.0336	94	65 - 123
1,4-Dichlorobenzene (para)	44.9	µg/L	1	50.0	<0.0672	90	66.7 - 119
sec-Butylbenzene	45.0	µg/L	1	50.0	<0.0439	90	57.6 - 127
1,3-Dichlorobenzene (meta)	46.6	µg/L	1	50.0	<0.0672	93	78.8 - 118
p-Isopropyltoluene	45.3	µg/L	1	50.0	<0.0513	91	56.6 - 128
4-Chlorotoluene	46.2	µg/L	1	50.0	<0.0460	92	74 - 127
1,2-Dichlorobenzene (ortho)	48.8	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	43.0	µg/L	1	50.0	<0.0400	86	50.4 - 130
1,2-Dibromo-3-chloropropane	53.9	µg/L	1	50.0	<0.538	108	55.7 - 152
1,2,3-Trichlorobenzene	61.0	µg/L	1	50.0	<0.504	122	32.6 - 149
1,2,4-Trichlorobenzene	49.7	µg/L	1	50.0	<0.166	99	35.8 - 144
Naphthalene	66.1	µg/L	1	50.0	<0.417	132	36.7 - 156
Hexachlorobutadiene	41.9	µg/L	1	50.0	<0.176	84	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.2	µg/L	1	50.0	<0.0699	98	82.5 - 118	1	20
Dichlorodifluoromethane	38.5	µg/L	1	50.0	<0.0598	77	46.8 - 125	7	20
Chloromethane (methyl chloride)	44.5	µg/L	1	50.0	<0.230	89	67.1 - 127	3	20
Vinyl Chloride	44.7	µg/L	1	50.0	<0.0902	89	63.7 - 129	6	20
Bromomethane (methyl bromide)	43.6	µg/L	1	50.0	<0.740	87	65.7 - 127	3	20
Chloroethane	44.0	µg/L	1	50.0	<0.195	88	69.9 - 131	5	20
Trichlorofluoromethane	46.6	µg/L	1	50.0	<0.160	93	60.2 - 134	6	20
Acetone	52.3	µg/L	1	50.0	<0.854	105	12.1 - 136	1	20
Iodomethane (methyl iodide)	47.8	µg/L	1	50.0	<0.112	96	75.7 - 115	4	20
Carbon Disulfide	44.1	µg/L	1	50.0	<0.0764	88	67.6 - 131	3	20
Acrylonitrile	51.1	µg/L	1	50.0	<0.184	102	79.9 - 131	1	20
2-Butanone (MEK)	50.3	µg/L	1	50.0	<0.394	101	28.7 - 137	2	20
4-Methyl-2-pentanone (MIBK)	55.6	µg/L	1	50.0	<0.484	111	77.1 - 122	1	20
2-Hexanone	53.7	µg/L	1	50.0	<0.0975	107	42.3 - 145	0	20
trans 1,4-Dichloro-2-butene	34.0	µg/L	1	50.0	<0.421	68	38.5 - 122	4	20
1,1-Dichloroethene	45.5	µg/L	1	50.0	<0.0736	91	78.7 - 119	4	20
Methylene chloride	45.2	µg/L	1	50.0	<0.689	90	64.9 - 121	3	20
MTBE	49.2	µg/L	1	50.0	<0.0504	98	46.6 - 162	2	20
trans-1,2-Dichloroethene	46.0	µg/L	1	50.0	<0.0598	92	75.1 - 119	4	20
1,1-Dichloroethane	46.7	µg/L	1	50.0	<0.0299	93	86.3 - 119	3	20
cis-1,2-Dichloroethene	47.8	µg/L	1	50.0	<0.101	96	82.6 - 116	3	20
2,2-Dichloropropane	16.2	µg/L	1	50.0	<0.0665	32	7.8 - 109	7	20
1,2-Dichloroethane (EDC)	46.8	µg/L	1	50.0	<0.0557	94	82.7 - 130	2	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloroform	46.6	µg/L	1	50.0	<0.0475	93	83.6 - 119	3	20
1,1,1-Trichloroethane	45.4	µg/L	1	50.0	<0.0846	91	69.6 - 126	4	20
1,1-Dichloropropene	45.3	µg/L	1	50.0	<0.0423	91	79.2 - 121	5	20
Benzene	47.2	µg/L	1	50.0	<0.0495	94	75.8 - 125	4	20
Carbon Tetrachloride	46.2	µg/L	1	50.0	<0.121	92	58.7 - 143	7	20
1,2-Dichloropropane	47.6	µg/L	1	50.0	<0.0933	95	88.4 - 117	3	20
Trichloroethene (TCE)	47.5	µg/L	1	50.0	<0.0495	95	83.6 - 112	4	20
Dibromomethane (methylene bromide)	48.4	µg/L	1	50.0	<0.0640	97	90.7 - 117	2	20
Bromodichloromethane	48.0	µg/L	1	50.0	<0.0651	96	83.4 - 127	4	20
2-Chloroethyl vinyl ether	48.2	µg/L	1	50.0	<0.0905	96	10 - 211	4	20
cis-1,3-Dichloropropene	42.8	µg/L	1	50.0	<0.0640	86	78.6 - 113	3	20
trans-1,3-Dichloropropene	42.4	µg/L	1	50.0	<0.0504	85	81.8 - 113	3	20
Toluene	44.3	µg/L	1	50.0	<0.0736	89	81.6 - 115	5	20
1,1,2-Trichloroethane	47.6	µg/L	1	50.0	<0.106	95	83.2 - 122	1	20
1,3-Dichloropropane	48.3	µg/L	1	50.0	<0.0625	97	87.3 - 123	0	20
Dibromochloromethane	50.3	µg/L	1	50.0	<0.0791	101	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	50.6	µg/L	1	50.0	<0.0460	101	91.4 - 118	1	20
Tetrachloroethene (PCE)	43.7	µg/L	1	50.0	<0.0696	87	51.8 - 111	3	20
Chlorobenzene	44.8	µg/L	1	50.0	<0.0217	90	83.9 - 113	4	20
1,1,1,2-Tetrachloroethane	48.7	µg/L	1	50.0	<0.125	97	79.5 - 127	3	20
Ethylbenzene	45.0	µg/L	1	50.0	<0.0566	90	75.4 - 121	4	20
m,p-Xylene	90.2	µg/L	1	100	<0.0363	90	74 - 124	4	20
Bromoform	54.0	µg/L	1	50.0	<0.0859	108	77.5 - 134	1	20
Styrene	48.1	µg/L	1	50.0	<0.0394	96	10 - 180	4	20
o-Xylene	46.2	µg/L	1	50.0	<0.0504	92	75.4 - 126	5	20
1,1,2,2-Tetrachloroethane	49.4	µg/L	1	50.0	<0.0672	99	86.4 - 122	1	20
2-Chlorotoluene	43.7	µg/L	1	50.0	<0.0283	87	69.2 - 128	5	20
1,2,3-Trichloropropane	44.6	µg/L	1	50.0	<0.0679	89	75.8 - 121	0	20
Isopropylbenzene	44.0	µg/L	1	50.0	<0.0406	88	69.6 - 127	6	20
Bromobenzene	44.4	µg/L	1	50.0	<0.103	89	77.1 - 125	4	20
n-Propylbenzene	41.7	µg/L	1	50.0	<0.0423	83	67.1 - 125	7	20
1,3,5-Trimethylbenzene	43.2	µg/L	1	50.0	<0.0557	86	66.1 - 126	6	20
tert-Butylbenzene	43.3	µg/L	1	50.0	<0.0770	87	63.9 - 126	9	20
1,2,4-Trimethylbenzene	44.7	µg/L	1	50.0	<0.0336	89	65 - 123	5	20
1,4-Dichlorobenzene (para)	43.1	µg/L	1	50.0	<0.0672	86	66.7 - 119	4	20
sec-Butylbenzene	41.0	µg/L	1	50.0	<0.0439	82	57.6 - 127	9	20
1,3-Dichlorobenzene (meta)	44.1	µg/L	1	50.0	<0.0672	88	78.8 - 118	6	20
p-Isopropyltoluene	41.8	µg/L	1	50.0	<0.0513	84	56.6 - 128	8	20
4-Chlorotoluene	43.6	µg/L	1	50.0	<0.0460	87	74 - 127	6	20
1,2-Dichlorobenzene (ortho)	46.4	µg/L	1	50.0	<0.0629	93	81.2 - 119	5	20
n-Butylbenzene	39.4	µg/L	1	50.0	<0.0400	79	50.4 - 130	9	20
1,2-Dibromo-3-chloropropane	54.5	µg/L	1	50.0	<0.538	109	55.7 - 152	1	20
1,2,3-Trichlorobenzene	59.9	µg/L	1	50.0	<0.504	120	32.6 - 149	2	20
1,2,4-Trichlorobenzene	47.8	µg/L	1	50.0	<0.166	96	35.8 - 144	4	20
Naphthalene	66.0	µg/L	1	50.0	<0.417	132	36.7 - 156	0	20
Hexachlorobutadiene	37.4	µg/L	1	50.0	<0.176	75	39.6 - 125	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.3	50.9	µg/L	1	50	103	102	86.6 - 114
Toluene-d8	50.1	50.0	µg/L	1	50	100	100	91 - 109
4-Bromofluorobenzene (4-BFB)	50.6	49.9	µg/L	1	50	101	100	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 130011

QC Batch: 39186 Date Analyzed: 2007-07-17 Analyzed By: JG
Prep Batch: 33913 QC Preparation: 2007-07-17 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		46.9	µg/L	1	50.0	<0.0699	94	82.5 - 118
Dichlorodifluoromethane		35.8	µg/L	1	50.0	<0.0598	72	46.8 - 125
Chloromethane (methyl chloride)		37.6	µg/L	1	50.0	<0.230	75	67.1 - 127
Vinyl Chloride		40.3	µg/L	1	50.0	<0.0902	81	63.7 - 129
Bromomethane (methyl bromide)		40.6	µg/L	1	50.0	<0.740	81	65.7 - 127
Chloroethane		40.8	µg/L	1	50.0	<0.195	82	69.9 - 131
Trichlorofluoromethane		45.2	µg/L	1	50.0	<0.160	90	60.2 - 134
Acetone		42.5	µg/L	1	50.0	<0.854	85	12.1 - 136
Iodomethane (methyl iodide)		45.8	µg/L	1	50.0	<0.112	92	75.7 - 115
Carbon Disulfide		40.1	µg/L	1	50.0	<0.0764	80	67.6 - 131
Acrylonitrile		44.9	µg/L	1	50.0	<0.184	90	79.9 - 131
2-Butanone (MEK)		43.1	µg/L	1	50.0	<0.394	86	28.7 - 137
4-Methyl-2-pentanone (MIBK)		46.8	µg/L	1	50.0	<0.484	94	77.1 - 122
2-Hexanone		39.9	µg/L	1	50.0	<0.0975	80	42.3 - 145
trans 1,4-Dichloro-2-butene		32.6	µg/L	1	50.0	<0.421	65	38.5 - 122
1,1-Dichloroethene		42.5	µg/L	1	50.0	<0.0736	85	78.7 - 119
Methylene chloride		40.4	µg/L	1	50.0	<0.689	81	64.9 - 121
MTBE		92.4	µg/L	1	50.0	52.9	79	46.6 - 162
trans-1,2-Dichloroethene		42.8	µg/L	1	50.0	<0.0598	86	75.1 - 119
1,1-Dichloroethane	[70]	42.3	µg/L	1	50.0	<0.0299	85	86.3 - 119
cis-1,2-Dichloroethene		44.2	µg/L	1	50.0	<0.101	88	82.6 - 116
2,2-Dichloropropane		27.1	µg/L	1	50.0	<0.0665	54	7.8 - 109
1,2-Dichloroethane (EDC)	[71]	40.0	µg/L	1	50.0	<0.0557	80	82.7 - 130
Chloroform		42.2	µg/L	1	50.0	<0.0475	84	83.6 - 119
1,1,1-Trichloroethane		42.3	µg/L	1	50.0	<0.0846	85	69.6 - 126
1,1-Dichloropropene		44.7	µg/L	1	50.0	<0.0423	89	79.2 - 121
Benzene		46.2	µg/L	1	50.0	<0.0495	92	75.8 - 125
Carbon Tetrachloride		46.5	µg/L	1	50.0	<0.121	93	58.7 - 143
1,2-Dichloropropane		44.9	µg/L	1	50.0	<0.0933	90	88.4 - 117
Trichloroethene (TCE)		49.1	µg/L	1	50.0	<0.0495	98	83.6 - 112
Dibromomethane (methylene bromide)		45.8	µg/L	1	50.0	<0.0640	92	90.7 - 117
Bromodichloromethane		45.8	µg/L	1	50.0	<0.0651	92	83.4 - 127
2-Chloroethyl vinyl ether		45.5	µg/L	1	50.0	<0.0905	91	10 - 211

continued . . .

[70] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[71] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
cis-1,3-Dichloropropene	45.0	µg/L	1	50.0	<0.0640	90	78.6 - 113
trans-1,3-Dichloropropene	43.1	µg/L	1	50.0	<0.0504	86	81.8 - 113
Toluene	44.7	µg/L	1	50.0	<0.0736	89	81.6 - 115
1,1,2-Trichloroethane	44.4	µg/L	1	50.0	<0.106	89	83.2 - 122
1,3-Dichloropropane	44.6	µg/L	1	50.0	<0.0625	89	87.3 - 123
Dibromochloromethane	48.9	µg/L	1	50.0	<0.0791	98	81.4 - 130
1,2-Dibromoethane (EDB)	48.2	µg/L	1	50.0	<0.0460	96	91.4 - 118
Tetrachloroethene (PCE)	46.2	µg/L	1	50.0	<0.0696	92	51.8 - 111
Chlorobenzene	44.6	µg/L	1	50.0	<0.0217	89	83.9 - 113
1,1,1,2-Tetrachloroethane	47.7	µg/L	1	50.0	<0.125	95	79.5 - 127
Ethylbenzene	44.3	µg/L	1	50.0	<0.0566	89	75.4 - 121
m,p-Xylene	88.3	µg/L	1	100	<0.0363	88	74 - 124
Bromoform	52.6	µg/L	1	50.0	<0.0859	105	77.5 - 134
Styrene	44.8	µg/L	1	50.0	<0.0394	90	10 - 180
o-Xylene	45.1	µg/L	1	50.0	<0.0504	90	75.4 - 126
1,1,2,2-Tetrachloroethane	43.3	µg/L	1	50.0	<0.0672	87	86.4 - 122
2-Chlorotoluene	43.2	µg/L	1	50.0	<0.0283	86	69.2 - 128
1,2,3-Trichloropropane	41.3	µg/L	1	50.0	<0.0679	83	75.8 - 121
Isopropylbenzene	45.0	µg/L	1	50.0	<0.0406	90	69.6 - 127
Bromobenzene	42.6	µg/L	1	50.0	<0.103	85	77.1 - 125
n-Propylbenzene	41.7	µg/L	1	50.0	<0.0423	83	67.1 - 125
1,3,5-Trimethylbenzene	43.2	µg/L	1	50.0	<0.0557	86	66.1 - 126
tert-Butylbenzene	45.0	µg/L	1	50.0	<0.0770	90	63.9 - 126
1,2,4-Trimethylbenzene	43.9	µg/L	1	50.0	<0.0336	88	65 - 123
1,4-Dichlorobenzene (para)	42.9	µg/L	1	50.0	<0.0672	86	66.7 - 119
sec-Butylbenzene	42.2	µg/L	1	50.0	<0.0439	84	57.6 - 127
1,3-Dichlorobenzene (meta)	44.5	µg/L	1	50.0	<0.0672	89	78.8 - 118
p-Isopropyltoluene	43.2	µg/L	1	50.0	<0.0513	86	56.6 - 128
4-Chlorotoluene	43.6	µg/L	1	50.0	<0.0460	87	74 - 127
1,2-Dichlorobenzene (ortho)	45.9	µg/L	1	50.0	<0.0629	92	81.2 - 119
n-Butylbenzene	39.7	µg/L	1	50.0	<0.0400	79	50.4 - 130
1,2-Dibromo-3-chloropropane	44.6	µg/L	1	50.0	<0.538	89	55.7 - 152
1,2,3-Trichlorobenzene	46.3	µg/L	1	50.0	<0.504	93	32.6 - 149
1,2,4-Trichlorobenzene	44.2	µg/L	1	50.0	<0.166	88	35.8 - 144
Naphthalene	48.5	µg/L	1	50.0	<0.417	97	36.7 - 156
Hexachlorobutadiene	44.6	µg/L	1	50.0	<0.176	89	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	46.8	µg/L	1	50.0	<0.0699	94	82.5 - 118	0	20
Dichlorodifluoromethane	35.3	µg/L	1	50.0	<0.0598	71	46.8 - 125	1	20
Chloromethane (methyl chloride)	37.2	µg/L	1	50.0	<0.230	74	67.1 - 127	1	20
Vinyl Chloride	39.8	µg/L	1	50.0	<0.0902	80	63.7 - 129	1	20
Bromomethane (methyl bromide)	39.9	µg/L	1	50.0	<0.740	80	65.7 - 127	2	20
Chloroethane	39.6	µg/L	1	50.0	<0.195	79	69.9 - 131	3	20
Trichlorofluoromethane	44.9	µg/L	1	50.0	<0.160	90	60.2 - 134	1	20
Acetone	41.4	µg/L	1	50.0	<0.854	83	12.1 - 136	3	20
Iodomethane (methyl iodide)	45.6	µg/L	1	50.0	<0.112	91	75.7 - 115	0	20
Carbon Disulfide	39.7	µg/L	1	50.0	<0.0764	79	67.6 - 131	1	20

continued . . .

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Acrylonitrile		46.0	µg/L	1	50.0	<0.184	92	79.9 - 131	2	20
2-Butanone (MEK)		44.5	µg/L	1	50.0	<0.394	89	28.7 - 137	3	20
4-Methyl-2-pentanone (MIBK)		47.6	µg/L	1	50.0	<0.484	95	77.1 - 122	2	20
2-Hexanone		40.0	µg/L	1	50.0	<0.0975	80	42.3 - 145	0	20
trans 1,4-Dichloro-2-butene		32.3	µg/L	1	50.0	<0.421	65	38.5 - 122	1	20
1,1-Dichloroethene		42.4	µg/L	1	50.0	<0.0736	85	78.7 - 119	0	20
Methylene chloride		40.9	µg/L	1	50.0	<0.689	82	64.9 - 121	1	20
MTBE		92.4	µg/L	1	50.0	52.9	79	46.6 - 162	0	20
trans-1,2-Dichloroethene		42.6	µg/L	1	50.0	<0.0598	85	75.1 - 119	0	20
1,1-Dichloroethane	[72]	42.5	µg/L	1	50.0	<0.0299	85	86.3 - 119	0	20
cis-1,2-Dichloroethene		44.9	µg/L	1	50.0	<0.101	90	82.6 - 116	2	20
2,2-Dichloropropane		26.5	µg/L	1	50.0	<0.0665	53	7.8 - 109	2	20
1,2-Dichloroethane (EDC)	[73]	40.6	µg/L	1	50.0	<0.0557	81	82.7 - 130	2	20
Chloroform		42.5	µg/L	1	50.0	<0.0475	85	83.6 - 119	1	20
1,1,1-Trichloroethane		42.8	µg/L	1	50.0	<0.0846	86	69.6 - 126	1	20
1,1-Dichloropropene		44.8	µg/L	1	50.0	<0.0423	90	79.2 - 121	0	20
Benzene		46.0	µg/L	1	50.0	<0.0495	92	75.8 - 125	0	20
Carbon Tetrachloride		46.6	µg/L	1	50.0	<0.121	93	58.7 - 143	0	20
1,2-Dichloropropane		45.2	µg/L	1	50.0	<0.0933	90	88.4 - 117	1	20
Trichloroethene (TCE)		49.1	µg/L	1	50.0	<0.0495	98	83.6 - 112	0	20
Dibromomethane (methylene bromide)		46.4	µg/L	1	50.0	<0.0640	93	90.7 - 117	1	20
Bromodichloromethane		46.3	µg/L	1	50.0	<0.0651	93	83.4 - 127	1	20
2-Chloroethyl vinyl ether		45.8	µg/L	1	50.0	<0.0905	92	10 - 211	1	20
cis-1,3-Dichloropropene		45.0	µg/L	1	50.0	<0.0640	90	78.6 - 113	0	20
trans-1,3-Dichloropropene		44.1	µg/L	1	50.0	<0.0504	88	81.8 - 113	2	20
Toluene		44.0	µg/L	1	50.0	<0.0736	88	81.6 - 115	2	20
1,1,2-Trichloroethane		44.8	µg/L	1	50.0	<0.106	90	83.2 - 122	1	20
1,3-Dichloropropane		44.5	µg/L	1	50.0	<0.0625	89	87.3 - 123	0	20
Dibromochloromethane		49.6	µg/L	1	50.0	<0.0791	99	81.4 - 130	1	20
1,2-Dibromoethane (EDB)		49.0	µg/L	1	50.0	<0.0460	98	91.4 - 118	2	20
Tetrachloroethene (PCE)		45.9	µg/L	1	50.0	<0.0696	92	51.8 - 111	1	20
Chlorobenzene		45.2	µg/L	1	50.0	<0.0217	90	83.9 - 113	1	20
1,1,1,2-Tetrachloroethane		48.2	µg/L	1	50.0	<0.125	96	79.5 - 127	1	20
Ethylbenzene		44.5	µg/L	1	50.0	<0.0566	89	75.4 - 121	0	20
m,p-Xylene		88.3	µg/L	1	100	<0.0363	88	74 - 124	0	20
Bromoform		53.3	µg/L	1	50.0	<0.0859	107	77.5 - 134	1	20
Styrene		46.0	µg/L	1	50.0	<0.0394	92	10 - 180	3	20
o-Xylene		45.3	µg/L	1	50.0	<0.0504	91	75.4 - 126	0	20
1,1,2,2-Tetrachloroethane		43.9	µg/L	1	50.0	<0.0672	88	86.4 - 122	1	20
2-Chlorotoluene		43.4	µg/L	1	50.0	<0.0283	87	69.2 - 128	0	20
1,2,3-Trichloropropane		41.8	µg/L	1	50.0	<0.0679	84	75.8 - 121	1	20
Isopropylbenzene		45.4	µg/L	1	50.0	<0.0406	91	69.6 - 127	1	20
Bromobenzene		43.2	µg/L	1	50.0	<0.103	86	77.1 - 125	1	20
n-Propylbenzene		41.9	µg/L	1	50.0	<0.0423	84	67.1 - 125	0	20
1,3,5-Trimethylbenzene		43.5	µg/L	1	50.0	<0.0557	87	66.1 - 126	1	20
tert-Butylbenzene		45.5	µg/L	1	50.0	<0.0770	91	63.9 - 126	1	20
1,2,4-Trimethylbenzene		44.2	µg/L	1	50.0	<0.0336	88	65 - 123	1	20
1,4-Dichlorobenzene (para)		43.2	µg/L	1	50.0	<0.0672	86	66.7 - 119	1	20

continued ...

[72] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[73] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
sec-Butylbenzene	42.5	µg/L	1	50.0	<0.0439	85	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)	45.2	µg/L	1	50.0	<0.0672	90	78.8 - 118	2	20
p-Isopropyltoluene	43.4	µg/L	1	50.0	<0.0513	87	56.6 - 128	0	20
4-Chlorotoluene	43.9	µg/L	1	50.0	<0.0460	88	74 - 127	1	20
1,2-Dichlorobenzene (ortho)	46.5	µg/L	1	50.0	<0.0629	93	81.2 - 119	1	20
n-Butylbenzene	39.8	µg/L	1	50.0	<0.0400	80	50.4 - 130	0	20
1,2-Dibromo-3-chloropropane	47.1	µg/L	1	50.0	<0.538	94	55.7 - 152	5	20
1,2,3-Trichlorobenzene	52.8	µg/L	1	50.0	<0.504	106	32.6 - 149	13	20
1,2,4-Trichlorobenzene	46.3	µg/L	1	50.0	<0.166	93	35.8 - 144	5	20
Naphthalene	56.7	µg/L	1	50.0	<0.417	113	36.7 - 156	16	20
Hexachlorobutadiene	45.8	µg/L	1	50.0	<0.176	92	39.6 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	46.5	46.5	µg/L	1	50	93	93	86.6 - 114
Toluene-d8	47.8	47.6	µg/L	1	50	96	95	91 - 109
4-Bromofluorobenzene (4-BFB)	47.8	47.6	µg/L	1	50	96	95	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 130344

QC Batch: 39268 Date Analyzed: 2007-07-19 Analyzed By: JG
Prep Batch: 33990 QC Preparation: 2007-07-19 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		52.7	µg/L	1	50.0	<0.0699	105	82.5 - 118
Dichlorodifluoromethane		49.3	µg/L	1	50.0	<0.0598	99	46.8 - 125
Chloromethane (methyl chloride)		43.6	µg/L	1	50.0	<0.230	87	67.1 - 127
Vinyl Chloride		46.6	µg/L	1	50.0	<0.0902	93	63.7 - 129
Bromomethane (methyl bromide)		54.0	µg/L	1	50.0	<0.740	108	65.7 - 127
Chloroethane		45.2	µg/L	1	50.0	<0.195	90	69.9 - 131
Trichlorofluoromethane		48.6	µg/L	1	50.0	<0.160	97	60.2 - 134
Acetone		46.2	µg/L	1	50.0	<0.854	92	12.1 - 136
Iodomethane (methyl iodide)	[74]	59.3	µg/L	1	50.0	<0.112	119	75.7 - 115
Carbon Disulfide		51.0	µg/L	1	50.0	<0.0764	102	67.6 - 131
Acrylonitrile		49.1	µg/L	1	50.0	<0.184	98	79.9 - 131
2-Butanone (MEK)		51.2	µg/L	1	50.0	<0.394	102	28.7 - 137
4-Methyl-2-pentanone (MIBK)		52.6	µg/L	1	50.0	<0.484	105	77.1 - 122
2-Hexanone		47.8	µg/L	1	50.0	<0.0975	96	42.3 - 145
trans 1,4-Dichloro-2-butene		46.0	µg/L	1	50.0	<0.421	92	38.5 - 122
1,1-Dichloroethene		48.4	µg/L	1	50.0	<0.0736	97	78.7 - 119
Methylene chloride		45.2	µg/L	1	50.0	<0.689	90	64.9 - 121
MTBE		48.4	µg/L	1	50.0	<0.0504	97	46.6 - 162
trans-1,2-Dichloroethene		47.9	µg/L	1	50.0	<0.0598	96	75.1 - 119
1,1-Dichloroethane		48.9	µg/L	1	50.0	<0.0299	98	86.3 - 119
cis-1,2-Dichloroethene		49.2	µg/L	1	50.0	<0.101	98	82.6 - 116

continued ...

[74] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2,2-Dichloropropane	33.3	µg/L	1	50.0	<0.0665	67	7.8 - 109
1,2-Dichloroethane (EDC)	44.5	µg/L	1	50.0	<0.0557	89	82.7 - 130
Chloroform	48.2	µg/L	1	50.0	<0.0475	96	83.6 - 119
1,1,1-Trichloroethane	48.2	µg/L	1	50.0	<0.0846	96	69.6 - 126
1,1-Dichloropropene	48.0	µg/L	1	50.0	<0.0423	96	79.2 - 121
Benzene	49.2	µg/L	1	50.0	<0.0495	98	75.8 - 125
Carbon Tetrachloride	51.9	µg/L	1	50.0	<0.121	104	58.7 - 143
1,2-Dichloropropane	48.4	µg/L	1	50.0	<0.0933	97	88.4 - 117
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.0495	103	83.6 - 112
Dibromomethane (methylene bromide)	51.4	µg/L	1	50.0	<0.0640	103	90.7 - 117
Bromodichloromethane	49.6	µg/L	1	50.0	<0.0651	99	83.4 - 127
2-Chloroethyl vinyl ether	49.0	µg/L	1	50.0	<0.0905	98	10 - 211
cis-1,3-Dichloropropene	49.8	µg/L	1	50.0	<0.0640	100	78.6 - 113
trans-1,3-Dichloropropene	50.0	µg/L	1	50.0	<0.0504	100	81.8 - 113
Toluene	46.5	µg/L	1	50.0	<0.0736	93	81.6 - 115
1,1,2-Trichloroethane	46.3	µg/L	1	50.0	<0.106	93	83.2 - 122
1,3-Dichloropropane	46.7	µg/L	1	50.0	<0.0625	93	87.3 - 123
Dibromochloromethane	51.9	µg/L	1	50.0	<0.0791	104	81.4 - 130
1,2-Dibromoethane (EDB)	50.6	µg/L	1	50.0	<0.0460	101	91.4 - 118
Tetrachloroethene (PCE)	47.9	µg/L	1	50.0	<0.0696	96	51.8 - 111
Chlorobenzene	46.4	µg/L	1	50.0	<0.0217	93	83.9 - 113
1,1,1,2-Tetrachloroethane	49.8	µg/L	1	50.0	<0.125	100	79.5 - 127
Ethylbenzene	45.7	µg/L	1	50.0	<0.0566	91	75.4 - 121
m,p-Xylene	90.8	µg/L	1	100	<0.0363	91	74 - 124
Bromoform	59.3	µg/L	1	50.0	<0.0859	119	77.5 - 134
Styrene	53.1	µg/L	1	50.0	<0.0394	106	10 - 180
o-Xylene	46.4	µg/L	1	50.0	<0.0504	93	75.4 - 126
1,1,2,2-Tetrachloroethane	46.4	µg/L	1	50.0	<0.0672	93	86.4 - 122
2-Chlorotoluene	43.5	µg/L	1	50.0	<0.0283	87	69.2 - 128
1,2,3-Trichloropropane	45.7	µg/L	1	50.0	<0.0679	91	75.8 - 121
Isopropylbenzene	43.9	µg/L	1	50.0	<0.0406	88	69.6 - 127
Bromobenzene	44.3	µg/L	1	50.0	<0.103	89	77.1 - 125
n-Propylbenzene	40.9	µg/L	1	50.0	<0.0423	82	67.1 - 125
1,3,5-Trimethylbenzene	42.7	µg/L	1	50.0	<0.0557	85	66.1 - 126
tert-Butylbenzene	43.3	µg/L	1	50.0	<0.0770	87	63.9 - 126
1,2,4-Trimethylbenzene	43.8	µg/L	1	50.0	<0.0336	88	65 - 123
1,4-Dichlorobenzene (para)	43.6	µg/L	1	50.0	<0.0672	87	66.7 - 119
sec-Butylbenzene	40.2	µg/L	1	50.0	<0.0439	80	57.6 - 127
1,3-Dichlorobenzene (meta)	44.8	µg/L	1	50.0	<0.0672	90	78.8 - 118
p-Isopropyltoluene	41.1	µg/L	1	50.0	<0.0513	82	56.6 - 128
4-Chlorotoluene	44.1	µg/L	1	50.0	<0.0460	88	74 - 127
1,2-Dichlorobenzene (ortho)	47.1	µg/L	1	50.0	<0.0629	94	81.2 - 119
n-Butylbenzene	38.8	µg/L	1	50.0	<0.0400	78	50.4 - 130
1,2-Dibromo-3-chloropropane	50.7	µg/L	1	50.0	<0.538	101	55.7 - 152
1,2,3-Trichlorobenzene	58.9	µg/L	1	50.0	<0.504	118	32.6 - 149
1,2,4-Trichlorobenzene	48.3	µg/L	1	50.0	<0.166	97	35.8 - 144
Naphthalene	64.0	µg/L	1	50.0	<0.417	128	36.7 - 156
Hexachlorobutadiene	45.5	µg/L	1	50.0	<0.176	91	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		52.7	µg/L	1	50.0	<0.0699	105	82.5 - 118	0	20
Dichlorodifluoromethane		50.2	µg/L	1	50.0	<0.0598	100	46.8 - 125	2	20
Chloromethane (methyl chloride)		42.8	µg/L	1	50.0	<0.230	86	67.1 - 127	2	20
Vinyl Chloride		46.7	µg/L	1	50.0	<0.0902	93	63.7 - 129	0	20
Bromomethane (methyl bromide)		53.6	µg/L	1	50.0	<0.740	107	65.7 - 127	1	20
Chloroethane		45.1	µg/L	1	50.0	<0.195	90	69.9 - 131	0	20
Trichlorofluoromethane		49.1	µg/L	1	50.0	<0.160	98	60.2 - 134	1	20
Acetone		47.0	µg/L	1	50.0	<0.854	94	12.1 - 136	2	20
Iodomethane (methyl iodide)	[75]	58.8	µg/L	1	50.0	<0.112	118	75.7 - 115	1	20
Carbon Disulfide		50.9	µg/L	1	50.0	<0.0764	102	67.6 - 131	0	20
Acrylonitrile		51.1	µg/L	1	50.0	<0.184	102	79.9 - 131	4	20
2-Butanone (MEK)		53.2	µg/L	1	50.0	<0.394	106	28.7 - 137	4	20
4-Methyl-2-pentanone (MIBK)		55.6	µg/L	1	50.0	<0.484	111	77.1 - 122	6	20
2-Hexanone		50.1	µg/L	1	50.0	<0.0975	100	42.3 - 145	5	20
trans 1,4-Dichloro-2-butene		46.7	µg/L	1	50.0	<0.421	93	38.5 - 122	2	20
1,1-Dichloroethene		48.0	µg/L	1	50.0	<0.0736	96	78.7 - 119	1	20
Methylene chloride		44.6	µg/L	1	50.0	<0.689	89	64.9 - 121	1	20
MTBE		48.9	µg/L	1	50.0	<0.0504	98	46.6 - 162	1	20
trans-1,2-Dichloroethene		47.4	µg/L	1	50.0	<0.0598	95	75.1 - 119	1	20
1,1-Dichloroethane		48.7	µg/L	1	50.0	<0.0299	97	86.3 - 119	0	20
cis-1,2-Dichloroethene		48.7	µg/L	1	50.0	<0.101	97	82.6 - 116	1	20
2,2-Dichloropropane		32.4	µg/L	1	50.0	<0.0665	65	7.8 - 109	3	20
1,2-Dichloroethane (EDC)		44.7	µg/L	1	50.0	<0.0557	89	82.7 - 130	0	20
Chloroform		48.1	µg/L	1	50.0	<0.0475	96	83.6 - 119	0	20
1,1,1-Trichloroethane		48.1	µg/L	1	50.0	<0.0846	96	69.6 - 126	0	20
1,1-Dichloropropene		48.0	µg/L	1	50.0	<0.0423	96	79.2 - 121	0	20
Benzene		48.8	µg/L	1	50.0	<0.0495	98	75.8 - 125	1	20
Carbon Tetrachloride		51.9	µg/L	1	50.0	<0.121	104	58.7 - 143	0	20
1,2-Dichloropropane		48.6	µg/L	1	50.0	<0.0933	97	88.4 - 117	0	20
Trichloroethene (TCE)		51.3	µg/L	1	50.0	<0.0495	103	83.6 - 112	0	20
Dibromomethane (methylene bromide)		52.0	µg/L	1	50.0	<0.0640	104	90.7 - 117	1	20
Bromodichloromethane		49.6	µg/L	1	50.0	<0.0651	99	83.4 - 127	0	20
2-Chloroethyl vinyl ether		49.2	µg/L	1	50.0	<0.0905	98	10 - 211	0	20
cis-1,3-Dichloropropene		49.4	µg/L	1	50.0	<0.0640	99	78.6 - 113	1	20
trans-1,3-Dichloropropene		50.1	µg/L	1	50.0	<0.0504	100	81.8 - 113	0	20
Toluene		46.3	µg/L	1	50.0	<0.0736	93	81.6 - 115	0	20
1,1,2-Trichloroethane		46.7	µg/L	1	50.0	<0.106	93	83.2 - 122	1	20
1,3-Dichloropropane		47.2	µg/L	1	50.0	<0.0625	94	87.3 - 123	1	20
Dibromochloromethane		52.0	µg/L	1	50.0	<0.0791	104	81.4 - 130	0	20
1,2-Dibromoethane (EDB)		51.0	µg/L	1	50.0	<0.0460	102	91.4 - 118	1	20
Tetrachloroethene (PCE)		47.9	µg/L	1	50.0	<0.0696	96	51.8 - 111	0	20
Chlorobenzene		46.3	µg/L	1	50.0	<0.0217	93	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane		49.6	µg/L	1	50.0	<0.125	99	79.5 - 127	0	20
Ethylbenzene		45.6	µg/L	1	50.0	<0.0566	91	75.4 - 121	0	20
m,p-Xylene		90.6	µg/L	1	100	<0.0363	91	74 - 124	0	20
Bromoform		60.4	µg/L	1	50.0	<0.0859	121	77.5 - 134	2	20
Styrene		53.2	µg/L	1	50.0	<0.0394	106	10 - 180	0	20
o-Xylene		46.3	µg/L	1	50.0	<0.0504	93	75.4 - 126	0	20
1,1,2,2-Tetrachloroethane		47.4	µg/L	1	50.0	<0.0672	95	86.4 - 122	2	20
2-Chlorotoluene		43.8	µg/L	1	50.0	<0.0283	88	69.2 - 128	1	20

continued . . .

[75] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,3-Trichloropropane	46.7	µg/L	1	50.0	<0.0679	93	75.8 - 121	2	20
Isopropylbenzene	44.6	µg/L	1	50.0	<0.0406	89	69.6 - 127	2	20
Bromobenzene	44.8	µg/L	1	50.0	<0.103	90	77.1 - 125	1	20
n-Propylbenzene	41.5	µg/L	1	50.0	<0.0423	83	67.1 - 125	1	20
1,3,5-Trimethylbenzene	43.1	µg/L	1	50.0	<0.0557	86	66.1 - 126	1	20
tert-Butylbenzene	43.4	µg/L	1	50.0	<0.0770	87	63.9 - 126	0	20
1,2,4-Trimethylbenzene	44.1	µg/L	1	50.0	<0.0336	88	65 - 123	1	20
1,4-Dichlorobenzene (para)	43.8	µg/L	1	50.0	<0.0672	88	66.7 - 119	0	20
sec-Butylbenzene	40.2	µg/L	1	50.0	<0.0439	80	57.6 - 127	0	20
1,3-Dichlorobenzene (meta)	45.7	µg/L	1	50.0	<0.0672	91	78.8 - 118	2	20
p-Isopropyltoluene	41.6	µg/L	1	50.0	<0.0513	83	56.6 - 128	1	20
4-Chlorotoluene	44.4	µg/L	1	50.0	<0.0460	89	74 - 127	1	20
1,2-Dichlorobenzene (ortho)	47.6	µg/L	1	50.0	<0.0629	95	81.2 - 119	1	20
n-Butylbenzene	38.8	µg/L	1	50.0	<0.0400	78	50.4 - 130	0	20
1,2-Dibromo-3-chloropropane	52.5	µg/L	1	50.0	<0.538	105	55.7 - 152	4	20
1,2,3-Trichlorobenzene	62.7	µg/L	1	50.0	<0.504	125	32.6 - 149	6	20
1,2,4-Trichlorobenzene	49.9	µg/L	1	50.0	<0.166	100	35.8 - 144	3	20
Naphthalene	67.0	µg/L	1	50.0	<0.417	134	36.7 - 156	5	20
Hexachlorobutadiene	45.9	µg/L	1	50.0	<0.176	92	39.6 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	48.0	47.7	µg/L	1	50	96	95	86.6 - 114
Toluene-d8	46.6	46.3	µg/L	1	50	93	93	91 - 109
4-Bromofluorobenzene (4-BFB)	48.6	48.7	µg/L	1	50	97	97	87.2 - 113

Standard (CCV-1)

QC Batch: 38089 Date Analyzed: 2007-06-11 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.2	104	70 - 130	2007-06-11
Dichlorodifluoromethane		µg/L	50.0	50.8	102	70 - 130	2007-06-11
Chloromethane (methyl chloride)		µg/L	50.0	47.8	96	70 - 130	2007-06-11
Vinyl Chloride		µg/L	50.0	50.3	101	80 - 120	2007-06-11
Bromomethane (methyl bromide)		µg/L	50.0	44.3	89	70 - 130	2007-06-11
Chloroethane		µg/L	50.0	49.2	98	70 - 130	2007-06-11
Trichlorofluoromethane		µg/L	50.0	49.9	100	70 - 130	2007-06-11
Acetone	[76]	µg/L	50.0	34.4	69	70 - 130	2007-06-11
Iodomethane (methyl iodide)		µg/L	50.0	55.0	110	70 - 130	2007-06-11
Carbon Disulfide		µg/L	50.0	49.9	100	70 - 130	2007-06-11
Acrylonitrile		µg/L	50.0	56.8	114	70 - 130	2007-06-11
2-Butanone (MEK)		µg/L	50.0	45.0	90	70 - 130	2007-06-11
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	55.0	110	70 - 130	2007-06-11

continued . . .

[76] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Hexanone		µg/L	50.0	51.3	103	70 - 130	2007-06-11
trans 1,4-Dichloro-2-butene		µg/L	50.0	52.9	106	70 - 130	2007-06-11
1,1-Dichloroethene		µg/L	50.0	53.8	108	80 - 120	2007-06-11
Methylene chloride		µg/L	50.0	46.1	92	70 - 130	2007-06-11
MTBE		µg/L	50.0	52.3	105	70 - 130	2007-06-11
trans-1,2-Dichloroethene		µg/L	50.0	51.8	104	70 - 130	2007-06-11
1,1-Dichloroethane		µg/L	50.0	51.7	103	70 - 130	2007-06-11
cis-1,2-Dichloroethene		µg/L	50.0	51.6	103	70 - 130	2007-06-11
2,2-Dichloropropane		µg/L	50.0	54.7	109	70 - 130	2007-06-11
1,2-Dichloroethane (EDC)		µg/L	50.0	49.8	100	70 - 130	2007-06-11
Chloroform		µg/L	50.0	49.7	99	80 - 120	2007-06-11
1,1,1-Trichloroethane		µg/L	50.0	51.6	103	70 - 130	2007-06-11
1,1-Dichloropropene		µg/L	50.0	53.8	108	70 - 130	2007-06-11
Benzene		µg/L	50.0	50.7	101	70 - 130	2007-06-11
Carbon Tetrachloride		µg/L	50.0	53.5	107	70 - 130	2007-06-11
1,2-Dichloropropane		µg/L	50.0	52.2	104	80 - 120	2007-06-11
Trichloroethene (TCE)		µg/L	50.0	56.0	112	70 - 130	2007-06-11
Dibromomethane (methylene bromide)		µg/L	50.0	52.8	106	70 - 130	2007-06-11
Bromodichloromethane		µg/L	50.0	52.4	105	70 - 130	2007-06-11
2-Chloroethyl vinyl ether		µg/L	50.0	50.6	101	70 - 130	2007-06-11
cis-1,3-Dichloropropene		µg/L	50.0	54.3	109	70 - 130	2007-06-11
trans-1,3-Dichloropropene		µg/L	50.0	54.2	108	70 - 130	2007-06-11
Toluene		µg/L	50.0	52.6	105	80 - 120	2007-06-11
1,1,2-Trichloroethane		µg/L	50.0	48.5	97	70 - 130	2007-06-11
1,3-Dichloropropane		µg/L	50.0	47.9	96	70 - 130	2007-06-11
Dibromochloromethane		µg/L	50.0	52.6	105	70 - 130	2007-06-11
1,2-Dibromoethane (EDB)		µg/L	50.0	52.6	105	70 - 130	2007-06-11
Tetrachloroethene (PCE)		µg/L	50.0	50.4	101	70 - 130	2007-06-11
Chlorobenzene		µg/L	50.0	50.8	102	80 - 120	2007-06-11
1,1,1,2-Tetrachloroethane		µg/L	50.0	51.7	103	70 - 130	2007-06-11
Ethylbenzene		µg/L	50.0	50.0	100	80 - 120	2007-06-11
m,p-Xylene		µg/L	100	100	100	70 - 130	2007-06-11
Bromoform		µg/L	50.0	56.6	113	70 - 130	2007-06-11
Styrene		µg/L	50.0	53.3	107	70 - 130	2007-06-11
o-Xylene		µg/L	50.0	50.8	102	70 - 130	2007-06-11
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.8	102	70 - 130	2007-06-11
2-Chlorotoluene		µg/L	50.0	48.8	98	70 - 130	2007-06-11
1,2,3-Trichloropropane		µg/L	50.0	47.7	95	70 - 130	2007-06-11
Isopropylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-06-11
Bromobenzene		µg/L	50.0	47.6	95	70 - 130	2007-06-11
n-Propylbenzene		µg/L	50.0	47.9	96	70 - 130	2007-06-11
1,3,5-Trimethylbenzene		µg/L	50.0	49.4	99	70 - 130	2007-06-11
tert-Butylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-06-11
1,2,4-Trimethylbenzene		µg/L	50.0	49.1	98	70 - 130	2007-06-11
1,4-Dichlorobenzene (para)		µg/L	50.0	50.4	101	70 - 130	2007-06-11
sec-Butylbenzene		µg/L	50.0	49.1	98	70 - 130	2007-06-11
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.0	102	70 - 130	2007-06-11
p-Isopropyltoluene		µg/L	50.0	51.7	103	70 - 130	2007-06-11
4-Chlorotoluene		µg/L	50.0	49.2	98	70 - 130	2007-06-11

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.8	104	70 - 130	2007-06-11
n-Butylbenzene		µg/L	50.0	50.6	101	70 - 130	2007-06-11
1,2-Dibromo-3-chloropropane		µg/L	50.0	44.6	89	70 - 130	2007-06-11
1,2,3-Trichlorobenzene		µg/L	50.0	46.9	94	70 - 130	2007-06-11
1,2,4-Trichlorobenzene		µg/L	50.0	51.3	103	70 - 130	2007-06-11
Naphthalene		µg/L	50.0	45.2	90	70 - 130	2007-06-11
Hexachlorobutadiene		µg/L	50.0	56.1	112	70 - 130	2007-06-11

Standard (CCV-1)

QC Batch: 38189 Date Analyzed: 2007-06-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.1	100	70 - 130	2007-06-13
Dichlorodifluoromethane		µg/L	50.0	38.4	77	70 - 130	2007-06-13
Chloromethane (methyl chloride)		µg/L	50.0	42.2	84	70 - 130	2007-06-13
Vinyl Chloride		µg/L	50.0	46.9	94	80 - 120	2007-06-13
Bromomethane (methyl bromide)		µg/L	50.0	40.0	80	70 - 130	2007-06-13
Chloroethane		µg/L	50.0	46.0	92	70 - 130	2007-06-13
Trichlorofluoromethane		µg/L	50.0	42.4	85	70 - 130	2007-06-13
Acetone	[77]	µg/L	50.0	32.4	65	70 - 130	2007-06-13
Iodomethane (methyl iodide)		µg/L	50.0	50.1	100	70 - 130	2007-06-13
Carbon Disulfide		µg/L	50.0	43.9	88	70 - 130	2007-06-13
Acrylonitrile		µg/L	50.0	50.7	101	70 - 130	2007-06-13
2-Butanone (MEK)		µg/L	50.0	41.1	82	70 - 130	2007-06-13
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.1	104	70 - 130	2007-06-13
2-Hexanone		µg/L	50.0	45.1	90	70 - 130	2007-06-13
trans 1,4-Dichloro-2-butene		µg/L	50.0	38.6	77	70 - 130	2007-06-13
1,1-Dichloroethene		µg/L	50.0	48.5	97	80 - 120	2007-06-13
Methylene chloride		µg/L	50.0	40.6	81	70 - 130	2007-06-13
MTBE		µg/L	50.0	46.8	94	70 - 130	2007-06-13
trans-1,2-Dichloroethene		µg/L	50.0	47.3	95	70 - 130	2007-06-13
1,1-Dichloroethane		µg/L	50.0	46.6	93	70 - 130	2007-06-13
cis-1,2-Dichloroethene		µg/L	50.0	48.0	96	70 - 130	2007-06-13
2,2-Dichloropropane	[78]	µg/L	50.0	32.7	65	70 - 130	2007-06-13
1,2-Dichloroethane (EDC)		µg/L	50.0	43.4	87	70 - 130	2007-06-13
Chloroform		µg/L	50.0	44.8	90	80 - 120	2007-06-13
1,1,1-Trichloroethane		µg/L	50.0	45.5	91	70 - 130	2007-06-13
1,1-Dichloropropene		µg/L	50.0	48.6	97	70 - 130	2007-06-13
Benzene		µg/L	50.0	48.8	98	70 - 130	2007-06-13
Carbon Tetrachloride		µg/L	50.0	46.5	93	70 - 130	2007-06-13
1,2-Dichloropropane		µg/L	50.0	51.4	103	80 - 120	2007-06-13
Trichloroethene (TCE)		µg/L	50.0	53.1	106	70 - 130	2007-06-13

continued ...

[77] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 94 which is within acceptable range. This is acceptable by Method 8000.

[78] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 94 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dibromomethane (methylene bromide)		µg/L	50.0	49.3	99	70 - 130	2007-06-13
Bromodichloromethane		µg/L	50.0	47.8	96	70 - 130	2007-06-13
2-Chloroethyl vinyl ether		µg/L	50.0	49.9	100	70 - 130	2007-06-13
cis-1,3-Dichloropropene		µg/L	50.0	48.4	97	70 - 130	2007-06-13
trans-1,3-Dichloropropene		µg/L	50.0	47.3	95	70 - 130	2007-06-13
Toluene		µg/L	50.0	49.7	99	80 - 120	2007-06-13
1,1,2-Trichloroethane		µg/L	50.0	48.8	98	70 - 130	2007-06-13
1,3-Dichloropropane		µg/L	50.0	48.2	96	70 - 130	2007-06-13
Dibromochloromethane		µg/L	50.0	52.8	106	70 - 130	2007-06-13
1,2-Dibromoethane (EDB)		µg/L	50.0	52.1	104	70 - 130	2007-06-13
Tetrachloroethene (PCE)		µg/L	50.0	47.4	95	70 - 130	2007-06-13
Chlorobenzene		µg/L	50.0	49.9	100	80 - 120	2007-06-13
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.8	100	70 - 130	2007-06-13
Ethylbenzene		µg/L	50.0	47.1	94	80 - 120	2007-06-13
m,p-Xylene		µg/L	100	93.7	94	70 - 130	2007-06-13
Bromoform		µg/L	50.0	53.4	107	70 - 130	2007-06-13
Styrene		µg/L	50.0	51.6	103	70 - 130	2007-06-13
o-Xylene		µg/L	50.0	47.6	95	70 - 130	2007-06-13
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.1	98	70 - 130	2007-06-13
2-Chlorotoluene		µg/L	50.0	47.5	95	70 - 130	2007-06-13
1,2,3-Trichloropropane		µg/L	50.0	47.9	96	70 - 130	2007-06-13
Isopropylbenzene		µg/L	50.0	47.3	95	70 - 130	2007-06-13
Bromobenzene		µg/L	50.0	48.6	97	70 - 130	2007-06-13
n-Propylbenzene		µg/L	50.0	43.6	87	70 - 130	2007-06-13
1,3,5-Trimethylbenzene		µg/L	50.0	45.5	91	70 - 130	2007-06-13
tert-Butylbenzene		µg/L	50.0	46.2	92	70 - 130	2007-06-13
1,2,4-Trimethylbenzene		µg/L	50.0	45.9	92	70 - 130	2007-06-13
1,4-Dichlorobenzene (para)		µg/L	50.0	49.1	98	70 - 130	2007-06-13
sec-Butylbenzene		µg/L	50.0	43.8	88	70 - 130	2007-06-13
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.4	99	70 - 130	2007-06-13
p-Isopropyltoluene		µg/L	50.0	45.8	92	70 - 130	2007-06-13
4-Chlorotoluene		µg/L	50.0	48.2	96	70 - 130	2007-06-13
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.6	103	70 - 130	2007-06-13
n-Butylbenzene		µg/L	50.0	43.4	87	70 - 130	2007-06-13
1,2-Dibromo-3-chloropropane		µg/L	50.0	40.6	81	70 - 130	2007-06-13
1,2,3-Trichlorobenzene		µg/L	50.0	35.7	71	70 - 130	2007-06-13
1,2,4-Trichlorobenzene		µg/L	50.0	42.8	86	70 - 130	2007-06-13
Naphthalene		µg/L	50.0	41.2	82	70 - 130	2007-06-13
Hexachlorobutadiene		µg/L	50.0	52.3	105	70 - 130	2007-06-13

Standard (CCV-1)

QC Batch: 38244 Date Analyzed: 2007-06-16 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.8	102	70 - 130	2007-06-16
Dichlorodifluoromethane		µg/L	50.0	41.4	83	70 - 130	2007-06-16

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloromethane (methyl chloride)		µg/L	50.0	41.8	84	70 - 130	2007-06-16
Vinyl Chloride		µg/L	50.0	45.8	92	80 - 120	2007-06-16
Bromomethane (methyl bromide)		µg/L	50.0	42.5	85	70 - 130	2007-06-16
Chloroethane		µg/L	50.0	44.1	88	70 - 130	2007-06-16
Trichlorofluoromethane		µg/L	50.0	48.0	96	70 - 130	2007-06-16
Acetone	[79]	µg/L	50.0	92.3	185	70 - 130	2007-06-16
Iodomethane (methyl iodide)		µg/L	50.0	50.9	102	70 - 130	2007-06-16
Carbon Disulfide		µg/L	50.0	45.5	91	70 - 130	2007-06-16
Acrylonitrile		µg/L	50.0	47.3	95	70 - 130	2007-06-16
2-Butanone (MEK)	[80]	µg/L	50.0	70.0	140	70 - 130	2007-06-16
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	48.6	97	70 - 130	2007-06-16
2-Hexanone		µg/L	50.0	43.5	87	70 - 130	2007-06-16
trans 1,4-Dichloro-2-butene		µg/L	50.0	46.8	94	70 - 130	2007-06-16
1,1-Dichloroethene		µg/L	50.0	51.0	102	80 - 120	2007-06-16
Methylene chloride		µg/L	50.0	51.9	104	70 - 130	2007-06-16
MTBE		µg/L	50.0	47.3	95	70 - 130	2007-06-16
trans-1,2-Dichloroethene		µg/L	50.0	50.5	101	70 - 130	2007-06-16
1,1-Dichloroethane		µg/L	50.0	47.9	96	70 - 130	2007-06-16
cis-1,2-Dichloroethene		µg/L	50.0	51.8	104	70 - 130	2007-06-16
2,2-Dichloropropane		µg/L	50.0	49.7	99	70 - 130	2007-06-16
1,2-Dichloroethane (EDC)		µg/L	50.0	42.8	86	70 - 130	2007-06-16
Chloroform		µg/L	50.0	45.7	91	80 - 120	2007-06-16
1,1,1-Trichloroethane		µg/L	50.0	45.2	90	70 - 130	2007-06-16
1,1-Dichloropropene		µg/L	50.0	47.3	95	70 - 130	2007-06-16
Benzene		µg/L	50.0	50.3	101	70 - 130	2007-06-16
Carbon Tetrachloride		µg/L	50.0	43.7	87	70 - 130	2007-06-16
1,2-Dichloropropane		µg/L	50.0	49.4	99	80 - 120	2007-06-16
Trichloroethene (TCE)		µg/L	50.0	50.5	101	70 - 130	2007-06-16
Dibromomethane (methylene bromide)		µg/L	50.0	47.7	95	70 - 130	2007-06-16
Bromodichloromethane		µg/L	50.0	45.8	92	70 - 130	2007-06-16
2-Chloroethyl vinyl ether		µg/L	50.0	50.2	100	70 - 130	2007-06-16
cis-1,3-Dichloropropene		µg/L	50.0	50.4	101	70 - 130	2007-06-16
trans-1,3-Dichloropropene		µg/L	50.0	48.9	98	70 - 130	2007-06-16
Toluene		µg/L	50.0	46.8	94	80 - 120	2007-06-16
1,1,2-Trichloroethane		µg/L	50.0	48.7	97	70 - 130	2007-06-16
1,3-Dichloropropane		µg/L	50.0	47.2	94	70 - 130	2007-06-16
Dibromochloromethane		µg/L	50.0	46.1	92	70 - 130	2007-06-16
1,2-Dibromoethane (EDB)		µg/L	50.0	48.7	97	70 - 130	2007-06-16
Tetrachloroethene (PCE)		µg/L	50.0	49.2	98	70 - 130	2007-06-16
Chlorobenzene		µg/L	50.0	49.6	99	80 - 120	2007-06-16
1,1,1,2-Tetrachloroethane		µg/L	50.0	47.0	94	70 - 130	2007-06-16
Ethylbenzene		µg/L	50.0	47.9	96	80 - 120	2007-06-16
m,p-Xylene		µg/L	100	93.3	93	70 - 130	2007-06-16
Bromoform		µg/L	50.0	46.9	94	70 - 130	2007-06-16
Styrene		µg/L	50.0	50.3	101	70 - 130	2007-06-16

continued ...

[79] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 99.9 which is within acceptable range. This is acceptable by Method 8000.

[80] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 99.9 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
o-Xylene		µg/L	50.0	46.9	94	70 - 130	2007-06-16
1,1,2,2-Tetrachloroethane		µg/L	50.0	48.1	96	70 - 130	2007-06-16
2-Chlorotoluene		µg/L	50.0	48.5	97	70 - 130	2007-06-16
1,2,3-Trichloropropane		µg/L	50.0	48.1	96	70 - 130	2007-06-16
Isopropylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-06-16
Bromobenzene		µg/L	50.0	49.0	98	70 - 130	2007-06-16
n-Propylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-06-16
1,3,5-Trimethylbenzene		µg/L	50.0	49.7	99	70 - 130	2007-06-16
tert-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-06-16
1,2,4-Trimethylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-06-16
1,4-Dichlorobenzene (para)		µg/L	50.0	49.5	99	70 - 130	2007-06-16
sec-Butylbenzene		µg/L	50.0	52.0	104	70 - 130	2007-06-16
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.8	104	70 - 130	2007-06-16
p-Isopropyltoluene		µg/L	50.0	52.4	105	70 - 130	2007-06-16
4-Chlorotoluene		µg/L	50.0	49.2	98	70 - 130	2007-06-16
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.5	101	70 - 130	2007-06-16
n-Butylbenzene		µg/L	50.0	53.6	107	70 - 130	2007-06-16
1,2-Dibromo-3-chloropropane		µg/L	50.0	42.4	85	70 - 130	2007-06-16
1,2,3-Trichlorobenzene		µg/L	50.0	51.7	103	70 - 130	2007-06-16
1,2,4-Trichlorobenzene		µg/L	50.0	53.3	107	70 - 130	2007-06-16
Naphthalene		µg/L	50.0	48.3	97	70 - 130	2007-06-16
Hexachlorobutadiene		µg/L	50.0	60.2	120	70 - 130	2007-06-16

Standard (CCV-1)

QC Batch: 38308 Date Analyzed: 2007-06-18 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	45.9	92	70 - 130	2007-06-18
Dichlorodifluoromethane		µg/L	50.0	36.2	72	70 - 130	2007-06-18
Chloromethane (methyl chloride)		µg/L	50.0	39.4	79	70 - 130	2007-06-18
Vinyl Chloride		µg/L	50.0	42.5	85	80 - 120	2007-06-18
Bromomethane (methyl bromide)		µg/L	50.0	40.3	81	70 - 130	2007-06-18
Chloroethane		µg/L	50.0	42.2	84	70 - 130	2007-06-18
Trichlorofluoromethane		µg/L	50.0	45.8	92	70 - 130	2007-06-18
Acetone		µg/L	50.0	44.9	90	70 - 130	2007-06-18
Iodomethane (methyl iodide)		µg/L	50.0	46.6	93	70 - 130	2007-06-18
Carbon Disulfide		µg/L	50.0	42.5	85	70 - 130	2007-06-18
Acrylonitrile		µg/L	50.0	46.0	92	70 - 130	2007-06-18
2-Butanone (MEK)		µg/L	50.0	48.5	97	70 - 130	2007-06-18
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	45.8	92	70 - 130	2007-06-18
2-Hexanone		µg/L	50.0	45.5	91	70 - 130	2007-06-18
trans 1,4-Dichloro-2-butene		µg/L	50.0	44.0	88	70 - 130	2007-06-18
1,1-Dichloroethene		µg/L	50.0	46.9	94	80 - 120	2007-06-18
Methylene chloride		µg/L	50.0	47.5	95	70 - 130	2007-06-18
MTBE		µg/L	50.0	44.3	89	70 - 130	2007-06-18
trans-1,2-Dichloroethene		µg/L	50.0	46.8	94	70 - 130	2007-06-18

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethane		µg/L	50.0	43.8	88	70 - 130	2007-06-18
cis-1,2-Dichloroethene		µg/L	50.0	47.8	96	70 - 130	2007-06-18
2,2-Dichloropropane		µg/L	50.0	46.1	92	70 - 130	2007-06-18
1,2-Dichloroethane (EDC)		µg/L	50.0	40.1	80	70 - 130	2007-06-18
Chloroform		µg/L	50.0	43.2	86	80 - 120	2007-06-18
1,1,1-Trichloroethane		µg/L	50.0	41.2	82	70 - 130	2007-06-18
1,1-Dichloropropene		µg/L	50.0	42.6	85	70 - 130	2007-06-18
Benzene		µg/L	50.0	46.3	93	70 - 130	2007-06-18
Carbon Tetrachloride		µg/L	50.0	39.7	79	70 - 130	2007-06-18
1,2-Dichloropropane		µg/L	50.0	44.7	89	80 - 120	2007-06-18
Trichloroethene (TCE)		µg/L	50.0	44.8	90	70 - 130	2007-06-18
Dibromomethane (methylene bromide)		µg/L	50.0	44.6	89	70 - 130	2007-06-18
Bromodichloromethane		µg/L	50.0	42.8	86	70 - 130	2007-06-18
2-Chloroethyl vinyl ether		µg/L	50.0	45.4	91	70 - 130	2007-06-18
cis-1,3-Dichloropropene		µg/L	50.0	46.2	92	70 - 130	2007-06-18
trans-1,3-Dichloropropene		µg/L	50.0	45.0	90	70 - 130	2007-06-18
Toluene		µg/L	50.0	42.6	85	80 - 120	2007-06-18
1,1,2-Trichloroethane		µg/L	50.0	45.0	90	70 - 130	2007-06-18
1,3-Dichloropropane		µg/L	50.0	43.4	87	70 - 130	2007-06-18
Dibromochloromethane		µg/L	50.0	42.9	86	70 - 130	2007-06-18
1,2-Dibromoethane (EDB)		µg/L	50.0	44.4	89	70 - 130	2007-06-18
Tetrachloroethene (PCE)		µg/L	50.0	41.6	83	70 - 130	2007-06-18
Chlorobenzene		µg/L	50.0	43.5	87	80 - 120	2007-06-18
1,1,1,2-Tetrachloroethane		µg/L	50.0	42.2	84	70 - 130	2007-06-18
Ethylbenzene		µg/L	50.0	41.6	83	80 - 120	2007-06-18
m,p-Xylene		µg/L	100	81.4	81	70 - 130	2007-06-18
Bromoform		µg/L	50.0	42.8	86	70 - 130	2007-06-18
Styrene		µg/L	50.0	44.6	89	70 - 130	2007-06-18
o-Xylene		µg/L	50.0	41.4	83	70 - 130	2007-06-18
1,1,2,2-Tetrachloroethane		µg/L	50.0	44.6	89	70 - 130	2007-06-18
2-Chlorotoluene		µg/L	50.0	44.3	89	70 - 130	2007-06-18
1,2,3-Trichloropropane		µg/L	50.0	47.0	94	70 - 130	2007-06-18
Isopropylbenzene		µg/L	50.0	44.1	88	70 - 130	2007-06-18
Bromobenzene		µg/L	50.0	46.5	93	70 - 130	2007-06-18
n-Propylbenzene		µg/L	50.0	44.0	88	70 - 130	2007-06-18
1,3,5-Trimethylbenzene		µg/L	50.0	43.8	88	70 - 130	2007-06-18
tert-Butylbenzene		µg/L	50.0	44.5	89	70 - 130	2007-06-18
1,2,4-Trimethylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-06-18
1,4-Dichlorobenzene (para)		µg/L	50.0	43.8	88	70 - 130	2007-06-18
sec-Butylbenzene		µg/L	50.0	45.9	92	70 - 130	2007-06-18
1,3-Dichlorobenzene (meta)		µg/L	50.0	45.7	91	70 - 130	2007-06-18
p-Isopropyltoluene		µg/L	50.0	45.8	92	70 - 130	2007-06-18
4-Chlorotoluene		µg/L	50.0	44.7	89	70 - 130	2007-06-18
1,2-Dichlorobenzene (ortho)		µg/L	50.0	45.9	92	70 - 130	2007-06-18
n-Butylbenzene		µg/L	50.0	47.5	95	70 - 130	2007-06-18
1,2-Dibromo-3-chloropropane		µg/L	50.0	41.4	83	70 - 130	2007-06-18
1,2,3-Trichlorobenzene		µg/L	50.0	42.2	84	70 - 130	2007-06-18
1,2,4-Trichlorobenzene		µg/L	50.0	43.2	86	70 - 130	2007-06-18
Naphthalene		µg/L	50.0	42.0	84	70 - 130	2007-06-18

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexachlorobutadiene		µg/L	50.0	51.0	102	70 - 130	2007-06-18

Standard (CCV-1)

QC Batch: 38348 Date Analyzed: 2007-06-19 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.7	97	70 - 130	2007-06-19
Dichlorodifluoromethane		µg/L	50.0	46.2	92	70 - 130	2007-06-19
Chloromethane (methyl chloride)		µg/L	50.0	49.5	99	70 - 130	2007-06-19
Vinyl Chloride		µg/L	50.0	51.5	103	80 - 120	2007-06-19
Bromomethane (methyl bromide)		µg/L	50.0	50.0	100	70 - 130	2007-06-19
Chloroethane		µg/L	50.0	51.2	102	70 - 130	2007-06-19
Trichlorofluoromethane		µg/L	50.0	61.2	122	70 - 130	2007-06-19
Acetone		µg/L	50.0	49.9	100	70 - 130	2007-06-19
Iodomethane (methyl iodide)		µg/L	50.0	48.8	98	70 - 130	2007-06-19
Carbon Disulfide		µg/L	50.0	45.6	91	70 - 130	2007-06-19
Acrylonitrile		µg/L	50.0	53.4	107	70 - 130	2007-06-19
2-Butanone (MEK)		µg/L	50.0	54.9	110	70 - 130	2007-06-19
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.9	100	70 - 130	2007-06-19
2-Hexanone		µg/L	50.0	54.7	109	70 - 130	2007-06-19
trans 1,4-Dichloro-2-butene		µg/L	50.0	54.0	108	70 - 130	2007-06-19
1,1-Dichloroethene		µg/L	50.0	50.2	100	80 - 120	2007-06-19
Methylene chloride		µg/L	50.0	51.5	103	70 - 130	2007-06-19
MTBE		µg/L	50.0	50.7	101	70 - 130	2007-06-19
trans-1,2-Dichloroethene		µg/L	50.0	50.3	101	70 - 130	2007-06-19
1,1-Dichloroethane		µg/L	50.0	49.0	98	70 - 130	2007-06-19
cis-1,2-Dichloroethene		µg/L	50.0	51.7	103	70 - 130	2007-06-19
2,2-Dichloropropane		µg/L	50.0	53.5	107	70 - 130	2007-06-19
1,2-Dichloroethane (EDC)		µg/L	50.0	48.8	98	70 - 130	2007-06-19
Chloroform		µg/L	50.0	49.3	99	80 - 120	2007-06-19
1,1,1-Trichloroethane		µg/L	50.0	48.5	97	70 - 130	2007-06-19
1,1-Dichloropropene		µg/L	50.0	46.5	93	70 - 130	2007-06-19
Benzene		µg/L	50.0	49.0	98	70 - 130	2007-06-19
Carbon Tetrachloride		µg/L	50.0	45.2	90	70 - 130	2007-06-19
1,2-Dichloropropane		µg/L	50.0	48.0	96	80 - 120	2007-06-19
Trichloroethene (TCE)		µg/L	50.0	46.0	92	70 - 130	2007-06-19
Dibromomethane (methylene bromide)		µg/L	50.0	48.5	97	70 - 130	2007-06-19
Bromodichloromethane		µg/L	50.0	48.3	97	70 - 130	2007-06-19
2-Chloroethyl vinyl ether		µg/L	50.0	48.7	97	70 - 130	2007-06-19
cis-1,3-Dichloropropene		µg/L	50.0	50.2	100	70 - 130	2007-06-19
trans-1,3-Dichloropropene		µg/L	50.0	50.3	101	70 - 130	2007-06-19
Toluene		µg/L	50.0	45.5	91	80 - 120	2007-06-19
1,1,2-Trichloroethane		µg/L	50.0	48.3	97	70 - 130	2007-06-19
1,3-Dichloropropane		µg/L	50.0	46.9	94	70 - 130	2007-06-19
Dibromochloromethane		µg/L	50.0	47.2	94	70 - 130	2007-06-19
1,2-Dibromoethane (EDB)		µg/L	50.0	47.4	95	70 - 130	2007-06-19

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Tetrachloroethene (PCE)		µg/L	50.0	43.9	88	70 - 130	2007-06-19
Chlorobenzene		µg/L	50.0	45.5	91	80 - 120	2007-06-19
1,1,1,2-Tetrachloroethane		µg/L	50.0	45.2	90	70 - 130	2007-06-19
Ethylbenzene		µg/L	50.0	45.7	91	80 - 120	2007-06-19
m,p-Xylene		µg/L	100	90.0	90	70 - 130	2007-06-19
Bromoform		µg/L	50.0	47.3	95	70 - 130	2007-06-19
Styrene		µg/L	50.0	46.8	94	70 - 130	2007-06-19
o-Xylene		µg/L	50.0	45.4	91	70 - 130	2007-06-19
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.2	98	70 - 130	2007-06-19
2-Chlorotoluene		µg/L	50.0	47.2	94	70 - 130	2007-06-19
1,2,3-Trichloropropane		µg/L	50.0	49.8	100	70 - 130	2007-06-19
Isopropylbenzene		µg/L	50.0	46.3	93	70 - 130	2007-06-19
Bromobenzene		µg/L	50.0	48.9	98	70 - 130	2007-06-19
n-Propylbenzene		µg/L	50.0	46.8	94	70 - 130	2007-06-19
1,3,5-Trimethylbenzene		µg/L	50.0	45.9	92	70 - 130	2007-06-19
tert-Butylbenzene		µg/L	50.0	46.8	94	70 - 130	2007-06-19
1,2,4-Trimethylbenzene		µg/L	50.0	46.5	93	70 - 130	2007-06-19
1,4-Dichlorobenzene (para)		µg/L	50.0	45.6	91	70 - 130	2007-06-19
sec-Butylbenzene		µg/L	50.0	47.4	95	70 - 130	2007-06-19
1,3-Dichlorobenzene (meta)		µg/L	50.0	47.4	95	70 - 130	2007-06-19
p-Isopropyltoluene		µg/L	50.0	46.8	94	70 - 130	2007-06-19
4-Chlorotoluene		µg/L	50.0	47.5	95	70 - 130	2007-06-19
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.4	95	70 - 130	2007-06-19
n-Butylbenzene		µg/L	50.0	48.9	98	70 - 130	2007-06-19
1,2-Dibromo-3-chloropropane		µg/L	50.0	44.5	89	70 - 130	2007-06-19
1,2,3-Trichlorobenzene		µg/L	50.0	41.6	83	70 - 130	2007-06-19
1,2,4-Trichlorobenzene		µg/L	50.0	42.5	85	70 - 130	2007-06-19
Naphthalene		µg/L	50.0	41.4	83	70 - 130	2007-06-19
Hexachlorobutadiene		µg/L	50.0	46.3	93	70 - 130	2007-06-19

Standard (CCV-1)

QC Batch: 38437 Date Analyzed: 2007-06-21 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.9	98	70 - 130	2007-06-21
Dichlorodifluoromethane		µg/L	50.0	36.1	72	70 - 130	2007-06-21
Chloromethane (methyl chloride)		µg/L	50.0	41.9	84	70 - 130	2007-06-21
Vinyl Chloride		µg/L	50.0	45.0	90	80 - 120	2007-06-21
Bromomethane (methyl bromide)		µg/L	50.0	43.1	86	70 - 130	2007-06-21
Chloroethane		µg/L	50.0	44.4	89	70 - 130	2007-06-21
Trichlorofluoromethane		µg/L	50.0	49.2	98	70 - 130	2007-06-21
Acetone		µg/L	50.0	45.0	90	70 - 130	2007-06-21
Iodomethane (methyl iodide)		µg/L	50.0	48.9	98	70 - 130	2007-06-21
Carbon Disulfide		µg/L	50.0	46.5	93	70 - 130	2007-06-21
Acrylonitrile		µg/L	50.0	52.4	105	70 - 130	2007-06-21
2-Butanone (MEK)		µg/L	50.0	49.4	99	70 - 130	2007-06-21

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	51.5	103	70 - 130	2007-06-21
2-Hexanone		µg/L	50.0	50.0	100	70 - 130	2007-06-21
trans 1,4-Dichloro-2-butene		µg/L	50.0	44.0	88	70 - 130	2007-06-21
1,1-Dichloroethene		µg/L	50.0	51.4	103	80 - 120	2007-06-21
Methylene chloride		µg/L	50.0	51.3	103	70 - 130	2007-06-21
MTBE		µg/L	50.0	49.1	98	70 - 130	2007-06-21
trans-1,2-Dichloroethene		µg/L	50.0	51.0	102	70 - 130	2007-06-21
1,1-Dichloroethane		µg/L	50.0	48.4	97	70 - 130	2007-06-21
cis-1,2-Dichloroethene		µg/L	50.0	52.4	105	70 - 130	2007-06-21
2,2-Dichloropropane		µg/L	50.0	42.9	86	70 - 130	2007-06-21
1,2-Dichloroethane (EDC)		µg/L	50.0	44.6	89	70 - 130	2007-06-21
Chloroform		µg/L	50.0	47.0	94	80 - 120	2007-06-21
1,1,1-Trichloroethane		µg/L	50.0	45.3	91	70 - 130	2007-06-21
1,1-Dichloropropene		µg/L	50.0	45.6	91	70 - 130	2007-06-21
Benzene		µg/L	50.0	49.5	99	70 - 130	2007-06-21
Carbon Tetrachloride		µg/L	50.0	42.6	85	70 - 130	2007-06-21
1,2-Dichloropropane		µg/L	50.0	48.6	97	80 - 120	2007-06-21
Trichloroethene (TCE)		µg/L	50.0	46.1	92	70 - 130	2007-06-21
Dibromomethane (methylene bromide)		µg/L	50.0	48.0	96	70 - 130	2007-06-21
Bromodichloromethane		µg/L	50.0	45.7	91	70 - 130	2007-06-21
2-Chloroethyl vinyl ether		µg/L	50.0	49.4	99	70 - 130	2007-06-21
cis-1,3-Dichloropropene		µg/L	50.0	48.0	96	70 - 130	2007-06-21
trans-1,3-Dichloropropene		µg/L	50.0	46.4	93	70 - 130	2007-06-21
Toluene		µg/L	50.0	45.6	91	80 - 120	2007-06-21
1,1,2-Trichloroethane		µg/L	50.0	48.0	96	70 - 130	2007-06-21
1,3-Dichloropropane		µg/L	50.0	46.1	92	70 - 130	2007-06-21
Dibromochloromethane		µg/L	50.0	44.6	89	70 - 130	2007-06-21
1,2-Dibromoethane (EDB)		µg/L	50.0	46.5	93	70 - 130	2007-06-21
Tetrachloroethene (PCE)		µg/L	50.0	44.4	89	70 - 130	2007-06-21
Chlorobenzene		µg/L	50.0	45.2	90	80 - 120	2007-06-21
1,1,1,2-Tetrachloroethane		µg/L	50.0	43.8	88	70 - 130	2007-06-21
Ethylbenzene		µg/L	50.0	45.2	90	80 - 120	2007-06-21
m,p-Xylene		µg/L	100	87.5	88	70 - 130	2007-06-21
Bromoform		µg/L	50.0	45.7	91	70 - 130	2007-06-21
Styrene		µg/L	50.0	46.2	92	70 - 130	2007-06-21
o-Xylene		µg/L	50.0	44.3	89	70 - 130	2007-06-21
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.4	99	70 - 130	2007-06-21
2-Chlorotoluene		µg/L	50.0	46.3	93	70 - 130	2007-06-21
1,2,3-Trichloropropane		µg/L	50.0	48.0	96	70 - 130	2007-06-21
Isopropylbenzene		µg/L	50.0	46.4	93	70 - 130	2007-06-21
Bromobenzene		µg/L	50.0	48.2	96	70 - 130	2007-06-21
n-Propylbenzene		µg/L	50.0	47.5	95	70 - 130	2007-06-21
1,3,5-Trimethylbenzene		µg/L	50.0	45.4	91	70 - 130	2007-06-21
tert-Butylbenzene		µg/L	50.0	45.7	91	70 - 130	2007-06-21
1,2,4-Trimethylbenzene		µg/L	50.0	46.3	93	70 - 130	2007-06-21
1,4-Dichlorobenzene (para)		µg/L	50.0	44.4	89	70 - 130	2007-06-21
sec-Butylbenzene		µg/L	50.0	46.9	94	70 - 130	2007-06-21
1,3-Dichlorobenzene (meta)		µg/L	50.0	47.1	94	70 - 130	2007-06-21
p-Isopropyltoluene		µg/L	50.0	45.4	91	70 - 130	2007-06-21

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Chlorotoluene		µg/L	50.0	46.7	93	70 - 130	2007-06-21
1,2-Dichlorobenzene (ortho)		µg/L	50.0	46.0	92	70 - 130	2007-06-21
n-Butylbenzene		µg/L	50.0	46.4	93	70 - 130	2007-06-21
1,2-Dibromo-3-chloropropane		µg/L	50.0	43.5	87	70 - 130	2007-06-21
1,2,3-Trichlorobenzene		µg/L	50.0	48.6	97	70 - 130	2007-06-21
1,2,4-Trichlorobenzene		µg/L	50.0	42.8	86	70 - 130	2007-06-21
Naphthalene		µg/L	50.0	45.7	91	70 - 130	2007-06-21
Hexachlorobutadiene		µg/L	50.0	39.9	80	70 - 130	2007-06-21

Standard (CCV-1)

QC Batch: 38659 Date Analyzed: 2007-06-28 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	57.2	114	70 - 130	2007-06-28
Dichlorodifluoromethane		µg/L	50.0	55.7	111	70 - 130	2007-06-28
Chloromethane (methyl chloride)		µg/L	50.0	54.1	108	70 - 130	2007-06-28
Vinyl Chloride		µg/L	50.0	56.2	112	80 - 120	2007-06-28
Bromomethane (methyl bromide)		µg/L	50.0	59.8	120	70 - 130	2007-06-28
Chloroethane		µg/L	50.0	59.2	118	70 - 130	2007-06-28
Trichlorofluoromethane		µg/L	50.0	55.8	112	70 - 130	2007-06-28
Acetone		µg/L	50.0	63.0	126	70 - 130	2007-06-28
Iodomethane (methyl iodide)		µg/L	50.0	52.4	105	70 - 130	2007-06-28
Carbon Disulfide		µg/L	50.0	55.9	112	70 - 130	2007-06-28
Acrylonitrile		µg/L	50.0	56.4	113	70 - 130	2007-06-28
2-Butanone (MEK)		µg/L	50.0	56.0	112	70 - 130	2007-06-28
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	54.2	108	70 - 130	2007-06-28
2-Hexanone		µg/L	50.0	62.5	125	70 - 130	2007-06-28
trans 1,4-Dichloro-2-butene		µg/L	50.0	60.0	120	70 - 130	2007-06-28
1,1-Dichloroethene		µg/L	50.0	55.0	110	80 - 120	2007-06-28
Methylene chloride		µg/L	50.0	57.8	116	70 - 130	2007-06-28
MTBE		µg/L	50.0	55.4	111	70 - 130	2007-06-28
trans-1,2-Dichloroethene		µg/L	50.0	57.5	115	70 - 130	2007-06-28
1,1-Dichloroethane		µg/L	50.0	57.4	115	70 - 130	2007-06-28
cis-1,2-Dichloroethene		µg/L	50.0	57.2	114	70 - 130	2007-06-28
2,2-Dichloropropane		µg/L	50.0	49.0	98	70 - 130	2007-06-28
1,2-Dichloroethane (EDC)		µg/L	50.0	60.2	120	70 - 130	2007-06-28
Chloroform		µg/L	50.0	58.6	117	80 - 120	2007-06-28
1,1,1-Trichloroethane		µg/L	50.0	55.8	112	70 - 130	2007-06-28
1,1-Dichloropropene		µg/L	50.0	54.8	110	70 - 130	2007-06-28
Benzene		µg/L	50.0	54.5	109	70 - 130	2007-06-28
Carbon Tetrachloride		µg/L	50.0	53.0	106	70 - 130	2007-06-28
1,2-Dichloropropane		µg/L	50.0	54.5	109	80 - 120	2007-06-28
Trichloroethene (TCE)		µg/L	50.0	51.8	104	70 - 130	2007-06-28
Dibromomethane (methylene bromide)		µg/L	50.0	53.8	108	70 - 130	2007-06-28
Bromodichloromethane		µg/L	50.0	54.6	109	70 - 130	2007-06-28
2-Chloroethyl vinyl ether		µg/L	50.0	56.4	113	70 - 130	2007-06-28

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
cis-1,3-Dichloropropene		µg/L	50.0	55.4	111	70 - 130	2007-06-28
trans-1,3-Dichloropropene		µg/L	50.0	57.9	116	70 - 130	2007-06-28
Toluene		µg/L	50.0	52.6	105	80 - 120	2007-06-28
1,1,2-Trichloroethane		µg/L	50.0	53.2	106	70 - 130	2007-06-28
1,3-Dichloropropane		µg/L	50.0	54.9	110	70 - 130	2007-06-28
Dibromochloromethane		µg/L	50.0	53.3	107	70 - 130	2007-06-28
1,2-Dibromoethane (EDB)		µg/L	50.0	51.0	102	70 - 130	2007-06-28
Tetrachloroethene (PCE)		µg/L	50.0	47.7	95	70 - 130	2007-06-28
Chlorobenzene		µg/L	50.0	51.8	104	80 - 120	2007-06-28
1,1,1,2-Tetrachloroethane		µg/L	50.0	51.4	103	70 - 130	2007-06-28
Ethylbenzene		µg/L	50.0	53.1	106	80 - 120	2007-06-28
m,p-Xylene		µg/L	100	107	107	70 - 130	2007-06-28
Bromoform		µg/L	50.0	53.1	106	70 - 130	2007-06-28
Styrene		µg/L	50.0	54.0	108	70 - 130	2007-06-28
o-Xylene		µg/L	50.0	53.4	107	70 - 130	2007-06-28
1,1,2,2-Tetrachloroethane		µg/L	50.0	55.7	111	70 - 130	2007-06-28
2-Chlorotoluene		µg/L	50.0	50.8	102	70 - 130	2007-06-28
1,2,3-Trichloropropane		µg/L	50.0	51.5	103	70 - 130	2007-06-28
Isopropylbenzene		µg/L	50.0	49.1	98	70 - 130	2007-06-28
Bromobenzene		µg/L	50.0	50.6	101	70 - 130	2007-06-28
n-Propylbenzene		µg/L	50.0	51.4	103	70 - 130	2007-06-28
1,3,5-Trimethylbenzene		µg/L	50.0	50.0	100	70 - 130	2007-06-28
tert-Butylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-06-28
1,2,4-Trimethylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-06-28
1,4-Dichlorobenzene (para)		µg/L	50.0	48.2	96	70 - 130	2007-06-28
sec-Butylbenzene		µg/L	50.0	50.5	101	70 - 130	2007-06-28
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.3	99	70 - 130	2007-06-28
p-Isopropyltoluene		µg/L	50.0	50.6	101	70 - 130	2007-06-28
4-Chlorotoluene		µg/L	50.0	50.1	100	70 - 130	2007-06-28
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.2	100	70 - 130	2007-06-28
n-Butylbenzene		µg/L	50.0	51.5	103	70 - 130	2007-06-28
1,2-Dibromo-3-chloropropane		µg/L	50.0	50.8	102	70 - 130	2007-06-28
1,2,3-Trichlorobenzene		µg/L	50.0	49.8	100	70 - 130	2007-06-28
1,2,4-Trichlorobenzene		µg/L	50.0	48.3	97	70 - 130	2007-06-28
Naphthalene		µg/L	50.0	49.9	100	70 - 130	2007-06-28
Hexachlorobutadiene		µg/L	50.0	46.6	93	70 - 130	2007-06-28

Standard (CCV-1)

QC Batch: 38775 Date Analyzed: 2007-07-03 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	51.2	102	70 - 130	2007-07-03
Dichlorodifluoromethane		µg/L	50.0	52.4	105	70 - 130	2007-07-03
Chloromethane (methyl chloride)		µg/L	50.0	51.6	103	70 - 130	2007-07-03
Vinyl Chloride		µg/L	50.0	51.2	102	80 - 120	2007-07-03
Bromomethane (methyl bromide)		µg/L	50.0	55.4	111	70 - 130	2007-07-03

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloroethane		µg/L	50.0	51.8	104	70 - 130	2007-07-03
Trichlorofluoromethane		µg/L	50.0	53.9	108	70 - 130	2007-07-03
Acetone		µg/L	50.0	51.4	103	70 - 130	2007-07-03
Iodomethane (methyl iodide)		µg/L	50.0	50.9	102	70 - 130	2007-07-03
Carbon Disulfide		µg/L	50.0	51.2	102	70 - 130	2007-07-03
Acrylonitrile		µg/L	50.0	53.8	108	70 - 130	2007-07-03
2-Butanone (MEK)		µg/L	50.0	50.3	101	70 - 130	2007-07-03
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.7	105	70 - 130	2007-07-03
2-Hexanone		µg/L	50.0	56.8	114	70 - 130	2007-07-03
trans 1,4-Dichloro-2-butene		µg/L	50.0	54.2	108	70 - 130	2007-07-03
1,1-Dichloroethene		µg/L	50.0	49.9	100	80 - 120	2007-07-03
Methylene chloride		µg/L	50.0	48.0	96	70 - 130	2007-07-03
MTBE		µg/L	50.0	53.0	106	70 - 130	2007-07-03
trans-1,2-Dichloroethene		µg/L	50.0	50.2	100	70 - 130	2007-07-03
1,1-Dichloroethane		µg/L	50.0	51.8	104	70 - 130	2007-07-03
cis-1,2-Dichloroethene		µg/L	50.0	51.4	103	70 - 130	2007-07-03
2,2-Dichloropropane		µg/L	50.0	46.8	94	70 - 130	2007-07-03
1,2-Dichloroethane (EDC)		µg/L	50.0	52.0	104	70 - 130	2007-07-03
Chloroform		µg/L	50.0	51.7	103	80 - 120	2007-07-03
1,1,1-Trichloroethane		µg/L	50.0	51.6	103	70 - 130	2007-07-03
1,1-Dichloropropene		µg/L	50.0	51.2	102	70 - 130	2007-07-03
Benzene		µg/L	50.0	50.1	100	70 - 130	2007-07-03
Carbon Tetrachloride		µg/L	50.0	52.6	105	70 - 130	2007-07-03
1,2-Dichloropropane		µg/L	50.0	51.6	103	80 - 120	2007-07-03
Trichloroethene (TCE)		µg/L	50.0	50.2	100	70 - 130	2007-07-03
Dibromomethane (methylene bromide)		µg/L	50.0	50.4	101	70 - 130	2007-07-03
Bromodichloromethane		µg/L	50.0	53.4	107	70 - 130	2007-07-03
2-Chloroethyl vinyl ether		µg/L	50.0	51.2	102	70 - 130	2007-07-03
cis-1,3-Dichloropropene		µg/L	50.0	53.2	106	70 - 130	2007-07-03
trans-1,3-Dichloropropene		µg/L	50.0	53.6	107	70 - 130	2007-07-03
Toluene		µg/L	50.0	49.4	99	80 - 120	2007-07-03
1,1,2-Trichloroethane		µg/L	50.0	50.9	102	70 - 130	2007-07-03
1,3-Dichloropropane		µg/L	50.0	51.0	102	70 - 130	2007-07-03
Dibromochloromethane		µg/L	50.0	56.1	112	70 - 130	2007-07-03
1,2-Dibromoethane (EDB)		µg/L	50.0	52.1	104	70 - 130	2007-07-03
Tetrachloroethene (PCE)		µg/L	50.0	49.0	98	70 - 130	2007-07-03
Chlorobenzene		µg/L	50.0	48.6	97	80 - 120	2007-07-03
1,1,1,2-Tetrachloroethane		µg/L	50.0	53.2	106	70 - 130	2007-07-03
Ethylbenzene		µg/L	50.0	51.0	102	80 - 120	2007-07-03
m,p-Xylene		µg/L	100	102	102	70 - 130	2007-07-03
Bromoform		µg/L	50.0	59.0	118	70 - 130	2007-07-03
Styrene		µg/L	50.0	54.7	109	70 - 130	2007-07-03
o-Xylene		µg/L	50.0	52.5	105	70 - 130	2007-07-03
1,1,2,2-Tetrachloroethane		µg/L	50.0	54.3	109	70 - 130	2007-07-03
2-Chlorotoluene		µg/L	50.0	50.5	101	70 - 130	2007-07-03
1,2,3-Trichloropropane		µg/L	50.0	53.4	107	70 - 130	2007-07-03
Isopropylbenzene		µg/L	50.0	51.2	102	70 - 130	2007-07-03
Bromobenzene		µg/L	50.0	50.0	100	70 - 130	2007-07-03
n-Propylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-07-03

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,3,5-Trimethylbenzene		µg/L	50.0	50.8	102	70 - 130	2007-07-03
tert-Butylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-07-03
1,2,4-Trimethylbenzene		µg/L	50.0	51.4	103	70 - 130	2007-07-03
1,4-Dichlorobenzene (para)		µg/L	50.0	48.9	98	70 - 130	2007-07-03
sec-Butylbenzene		µg/L	50.0	51.1	102	70 - 130	2007-07-03
1,3-Dichlorobenzene (meta)		µg/L	50.0	50.2	100	70 - 130	2007-07-03
p-Isopropyltoluene		µg/L	50.0	51.9	104	70 - 130	2007-07-03
4-Chlorotoluene		µg/L	50.0	50.2	100	70 - 130	2007-07-03
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.0	102	70 - 130	2007-07-03
n-Butylbenzene		µg/L	50.0	52.2	104	70 - 130	2007-07-03
1,2-Dibromo-3-chloropropane		µg/L	50.0	54.6	109	70 - 130	2007-07-03
1,2,3-Trichlorobenzene		µg/L	50.0	59.3	119	70 - 130	2007-07-03
1,2,4-Trichlorobenzene		µg/L	50.0	55.9	112	70 - 130	2007-07-03
Naphthalene		µg/L	50.0	61.8	124	70 - 130	2007-07-03
Hexachlorobutadiene		µg/L	50.0	49.8	100	70 - 130	2007-07-03

Standard (CCV-1)

QC Batch: 38872 Date Analyzed: 2007-07-06 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.4	105	70 - 130	2007-07-06
Dichlorodifluoromethane		µg/L	50.0	50.6	101	70 - 130	2007-07-06
Chloromethane (methyl chloride)		µg/L	50.0	51.1	102	70 - 130	2007-07-06
Vinyl Chloride		µg/L	50.0	51.3	103	80 - 120	2007-07-06
Bromomethane (methyl bromide)		µg/L	50.0	54.3	109	70 - 130	2007-07-06
Chloroethane		µg/L	50.0	52.8	106	70 - 130	2007-07-06
Trichlorofluoromethane		µg/L	50.0	55.7	111	70 - 130	2007-07-06
Acetone		µg/L	50.0	51.6	103	70 - 130	2007-07-06
Iodomethane (methyl iodide)		µg/L	50.0	51.6	103	70 - 130	2007-07-06
Carbon Disulfide		µg/L	50.0	51.8	104	70 - 130	2007-07-06
Acrylonitrile		µg/L	50.0	55.8	112	70 - 130	2007-07-06
2-Butanone (MEK)		µg/L	50.0	54.6	109	70 - 130	2007-07-06
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.1	104	70 - 130	2007-07-06
2-Hexanone		µg/L	50.0	58.7	117	70 - 130	2007-07-06
trans 1,4-Dichloro-2-butene		µg/L	50.0	59.2	118	70 - 130	2007-07-06
1,1-Dichloroethene		µg/L	50.0	51.3	103	80 - 120	2007-07-06
Methylene chloride		µg/L	50.0	50.5	101	70 - 130	2007-07-06
MTBE		µg/L	50.0	52.8	106	70 - 130	2007-07-06
trans-1,2-Dichloroethene		µg/L	50.0	52.3	105	70 - 130	2007-07-06
1,1-Dichloroethane		µg/L	50.0	51.9	104	70 - 130	2007-07-06
cis-1,2-Dichloroethene		µg/L	50.0	52.5	105	70 - 130	2007-07-06
2,2-Dichloropropane		µg/L	50.0	56.3	113	70 - 130	2007-07-06
1,2-Dichloroethane (EDC)		µg/L	50.0	52.4	105	70 - 130	2007-07-06
Chloroform		µg/L	50.0	52.6	105	80 - 120	2007-07-06
1,1,1-Trichloroethane		µg/L	50.0	51.4	103	70 - 130	2007-07-06
1,1-Dichloropropene		µg/L	50.0	51.0	102	70 - 130	2007-07-06

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		µg/L	50.0	51.8	104	70 - 130	2007-07-06
Carbon Tetrachloride		µg/L	50.0	50.5	101	70 - 130	2007-07-06
1,2-Dichloropropane		µg/L	50.0	52.2	104	80 - 120	2007-07-06
Trichloroethene (TCE)		µg/L	50.0	50.0	100	70 - 130	2007-07-06
Dibromomethane (methylene bromide)		µg/L	50.0	51.0	102	70 - 130	2007-07-06
Bromodichloromethane		µg/L	50.0	51.1	102	70 - 130	2007-07-06
2-Chloroethyl vinyl ether		µg/L	50.0	52.9	106	70 - 130	2007-07-06
cis-1,3-Dichloropropene		µg/L	50.0	54.1	108	70 - 130	2007-07-06
trans-1,3-Dichloropropene		µg/L	50.0	55.9	112	70 - 130	2007-07-06
Toluene		µg/L	50.0	49.5	99	80 - 120	2007-07-06
1,1,2-Trichloroethane		µg/L	50.0	50.7	101	70 - 130	2007-07-06
1,3-Dichloropropane		µg/L	50.0	51.9	104	70 - 130	2007-07-06
Dibromochloromethane		µg/L	50.0	52.2	104	70 - 130	2007-07-06
1,2-Dibromoethane (EDB)		µg/L	50.0	51.6	103	70 - 130	2007-07-06
Tetrachloroethene (PCE)		µg/L	50.0	47.9	96	70 - 130	2007-07-06
Chlorobenzene		µg/L	50.0	49.2	98	80 - 120	2007-07-06
1,1,1,2-Tetrachloroethane		µg/L	50.0	51.7	103	70 - 130	2007-07-06
Ethylbenzene		µg/L	50.0	51.4	103	80 - 120	2007-07-06
m,p-Xylene		µg/L	100	104	104	70 - 130	2007-07-06
Bromoform		µg/L	50.0	54.6	109	70 - 130	2007-07-06
Styrene		µg/L	50.0	55.5	111	70 - 130	2007-07-06
o-Xylene		µg/L	50.0	53.6	107	70 - 130	2007-07-06
1,1,2,2-Tetrachloroethane		µg/L	50.0	52.9	106	70 - 130	2007-07-06
2-Chlorotoluene		µg/L	50.0	49.1	98	70 - 130	2007-07-06
1,2,3-Trichloropropane		µg/L	50.0	49.3	99	70 - 130	2007-07-06
Isopropylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-07-06
Bromobenzene		µg/L	50.0	48.8	98	70 - 130	2007-07-06
n-Propylbenzene		µg/L	50.0	48.8	98	70 - 130	2007-07-06
1,3,5-Trimethylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-07-06
tert-Butylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-07-06
1,2,4-Trimethylbenzene		µg/L	50.0	51.0	102	70 - 130	2007-07-06
1,4-Dichlorobenzene (para)		µg/L	50.0	48.2	96	70 - 130	2007-07-06
sec-Butylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-07-06
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.5	99	70 - 130	2007-07-06
p-Isopropyltoluene		µg/L	50.0	51.2	102	70 - 130	2007-07-06
4-Chlorotoluene		µg/L	50.0	49.6	99	70 - 130	2007-07-06
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.5	101	70 - 130	2007-07-06
n-Butylbenzene		µg/L	50.0	53.6	107	70 - 130	2007-07-06
1,2-Dibromo-3-chloropropane		µg/L	50.0	51.8	104	70 - 130	2007-07-06
1,2,3-Trichlorobenzene		µg/L	50.0	48.7	97	70 - 130	2007-07-06
1,2,4-Trichlorobenzene		µg/L	50.0	51.9	104	70 - 130	2007-07-06
Naphthalene		µg/L	50.0	50.0	100	70 - 130	2007-07-06
Hexachlorobutadiene		µg/L	50.0	49.0	98	70 - 130	2007-07-06

Standard (CCV-1)

QC Batch: 39093 Date Analyzed: 2007-07-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.4	99	70 - 130	2007-07-14
Dichlorodifluoromethane		µg/L	50.0	47.7	95	70 - 130	2007-07-14
Chloromethane (methyl chloride)		µg/L	50.0	44.7	89	70 - 130	2007-07-14
Vinyl Chloride		µg/L	50.0	46.5	93	80 - 120	2007-07-14
Bromomethane (methyl bromide)		µg/L	50.0	46.1	92	70 - 130	2007-07-14
Chloroethane		µg/L	50.0	44.8	90	70 - 130	2007-07-14
Trichlorofluoromethane		µg/L	50.0	54.6	109	70 - 130	2007-07-14
Acetone	[81]	µg/L	50.0	188	376	70 - 130	2007-07-14
Iodomethane (methyl iodide)		µg/L	50.0	49.8	100	70 - 130	2007-07-14
Carbon Disulfide		µg/L	50.0	47.8	96	70 - 130	2007-07-14
Acrylonitrile		µg/L	50.0	51.0	102	70 - 130	2007-07-14
2-Butanone (MEK)	[82]	µg/L	50.0	72.8	146	70 - 130	2007-07-14
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.3	105	70 - 130	2007-07-14
2-Hexanone		µg/L	50.0	63.1	126	70 - 130	2007-07-14
trans 1,4-Dichloro-2-butene		µg/L	50.0	50.7	101	70 - 130	2007-07-14
1,1-Dichloroethene		µg/L	50.0	48.0	96	80 - 120	2007-07-14
Methylene chloride		µg/L	50.0	49.2	98	70 - 130	2007-07-14
MTBE		µg/L	50.0	50.2	100	70 - 130	2007-07-14
trans-1,2-Dichloroethene		µg/L	50.0	47.9	96	70 - 130	2007-07-14
1,1-Dichloroethane		µg/L	50.0	48.0	96	70 - 130	2007-07-14
cis-1,2-Dichloroethene		µg/L	50.0	48.9	98	70 - 130	2007-07-14
2,2-Dichloropropane		µg/L	50.0	52.1	104	70 - 130	2007-07-14
1,2-Dichloroethane (EDC)		µg/L	50.0	47.0	94	70 - 130	2007-07-14
Chloroform		µg/L	50.0	47.7	95	80 - 120	2007-07-14
1,1,1-Trichloroethane		µg/L	50.0	47.4	95	70 - 130	2007-07-14
1,1-Dichloropropene		µg/L	50.0	48.8	98	70 - 130	2007-07-14
Benzene		µg/L	50.0	48.6	97	70 - 130	2007-07-14
Carbon Tetrachloride		µg/L	50.0	48.9	98	70 - 130	2007-07-14
1,2-Dichloropropane		µg/L	50.0	48.5	97	80 - 120	2007-07-14
Trichloroethene (TCE)		µg/L	50.0	49.4	99	70 - 130	2007-07-14
Dibromomethane (methylene bromide)		µg/L	50.0	49.6	99	70 - 130	2007-07-14
Bromodichloromethane		µg/L	50.0	49.0	98	70 - 130	2007-07-14
2-Chloroethyl vinyl ether		µg/L	50.0	49.1	98	70 - 130	2007-07-14
cis-1,3-Dichloropropene		µg/L	50.0	51.7	103	70 - 130	2007-07-14
trans-1,3-Dichloropropene		µg/L	50.0	52.1	104	70 - 130	2007-07-14
Toluene		µg/L	50.0	46.2	92	80 - 120	2007-07-14
1,1,2-Trichloroethane		µg/L	50.0	47.0	94	70 - 130	2007-07-14
1,3-Dichloropropane		µg/L	50.0	47.5	95	70 - 130	2007-07-14
Dibromochloromethane		µg/L	50.0	49.2	98	70 - 130	2007-07-14
1,2-Dibromoethane (EDB)		µg/L	50.0	49.8	100	70 - 130	2007-07-14
Tetrachloroethene (PCE)		µg/L	50.0	49.8	100	70 - 130	2007-07-14
Chlorobenzene		µg/L	50.0	45.6	91	80 - 120	2007-07-14
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.6	97	70 - 130	2007-07-14
Ethylbenzene		µg/L	50.0	46.4	93	80 - 120	2007-07-14
m,p-Xylene		µg/L	100	93.1	93	70 - 130	2007-07-14
Bromoform		µg/L	50.0	51.6	103	70 - 130	2007-07-14

continued . . .

[81] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 104 which is within acceptable range. This is acceptable by Method 8000.

[82] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 104 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Styrene		µg/L	50.0	49.8	100	70 - 130	2007-07-14
o-Xylene		µg/L	50.0	47.8	96	70 - 130	2007-07-14
1,1,2,2-Tetrachloroethane		µg/L	50.0	48.5	97	70 - 130	2007-07-14
2-Chlorotoluene		µg/L	50.0	45.3	91	70 - 130	2007-07-14
1,2,3-Trichloropropane		µg/L	50.0	47.6	95	70 - 130	2007-07-14
Isopropylbenzene		µg/L	50.0	46.4	93	70 - 130	2007-07-14
Bromobenzene		µg/L	50.0	45.8	92	70 - 130	2007-07-14
n-Propylbenzene		µg/L	50.0	44.5	89	70 - 130	2007-07-14
1,3,5-Trimethylbenzene		µg/L	50.0	45.9	92	70 - 130	2007-07-14
tert-Butylbenzene		µg/L	50.0	46.7	93	70 - 130	2007-07-14
1,2,4-Trimethylbenzene		µg/L	50.0	46.6	93	70 - 130	2007-07-14
1,4-Dichlorobenzene (para)		µg/L	50.0	44.8	90	70 - 130	2007-07-14
sec-Butylbenzene		µg/L	50.0	46.2	92	70 - 130	2007-07-14
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.6	93	70 - 130	2007-07-14
p-Isopropyltoluene		µg/L	50.0	47.2	94	70 - 130	2007-07-14
4-Chlorotoluene		µg/L	50.0	45.9	92	70 - 130	2007-07-14
1,2-Dichlorobenzene (ortho)		µg/L	50.0	48.1	96	70 - 130	2007-07-14
n-Butylbenzene		µg/L	50.0	47.4	95	70 - 130	2007-07-14
1,2-Dibromo-3-chloropropane		µg/L	50.0	52.8	106	70 - 130	2007-07-14
1,2,3-Trichlorobenzene		µg/L	50.0	56.0	112	70 - 130	2007-07-14
1,2,4-Trichlorobenzene		µg/L	50.0	50.8	102	70 - 130	2007-07-14
Naphthalene		µg/L	50.0	57.2	114	70 - 130	2007-07-14
Hexachlorobutadiene		µg/L	50.0	54.0	108	70 - 130	2007-07-14

Standard (CCV-2)

QC Batch: 39093 Date Analyzed: 2007-07-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.7	99	70 - 130	2007-07-14
Dichlorodifluoromethane		µg/L	50.0	44.6	89	70 - 130	2007-07-14
Chloromethane (methyl chloride)		µg/L	50.0	44.6	89	70 - 130	2007-07-14
Vinyl Chloride		µg/L	50.0	46.0	92	80 - 120	2007-07-14
Bromomethane (methyl bromide)		µg/L	50.0	46.7	93	70 - 130	2007-07-14
Chloroethane		µg/L	50.0	46.0	92	70 - 130	2007-07-14
Trichlorofluoromethane		µg/L	50.0	50.0	100	70 - 130	2007-07-14
Acetone	[83]	µg/L	50.0	191	382	70 - 130	2007-07-14
Iodomethane (methyl iodide)		µg/L	50.0	49.0	98	70 - 130	2007-07-14
Carbon Disulfide		µg/L	50.0	45.8	92	70 - 130	2007-07-14
Acrylonitrile		µg/L	50.0	52.1	104	70 - 130	2007-07-14
2-Butanone (MEK)	[84]	µg/L	50.0	72.1	144	70 - 130	2007-07-14
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.4	105	70 - 130	2007-07-14
2-Hexanone		µg/L	50.0	62.5	125	70 - 130	2007-07-14

continued ...

[83] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

[84] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
trans 1,4-Dichloro-2-butene		µg/L	50.0	43.5	87	70 - 130	2007-07-14
1,1-Dichloroethene		µg/L	50.0	47.4	95	80 - 120	2007-07-14
Methylene chloride		µg/L	50.0	48.9	98	70 - 130	2007-07-14
MTBE		µg/L	50.0	49.2	98	70 - 130	2007-07-14
trans-1,2-Dichloroethene		µg/L	50.0	47.4	95	70 - 130	2007-07-14
1,1-Dichloroethane		µg/L	50.0	47.6	95	70 - 130	2007-07-14
cis-1,2-Dichloroethene		µg/L	50.0	48.6	97	70 - 130	2007-07-14
2,2-Dichloropropane	[85]	µg/L	50.0	32.5	65	70 - 130	2007-07-14
1,2-Dichloroethane (EDC)		µg/L	50.0	47.1	94	70 - 130	2007-07-14
Chloroform		µg/L	50.0	48.5	97	80 - 120	2007-07-14
1,1,1-Trichloroethane		µg/L	50.0	47.0	94	70 - 130	2007-07-14
1,1-Dichloropropene		µg/L	50.0	47.9	96	70 - 130	2007-07-14
Benzene		µg/L	50.0	48.3	97	70 - 130	2007-07-14
Carbon Tetrachloride		µg/L	50.0	48.1	96	70 - 130	2007-07-14
1,2-Dichloropropane		µg/L	50.0	48.9	98	80 - 120	2007-07-14
Trichloroethene (TCE)		µg/L	50.0	55.4	111	70 - 130	2007-07-14
Dibromomethane (methylene bromide)		µg/L	50.0	49.0	98	70 - 130	2007-07-14
Bromodichloromethane		µg/L	50.0	48.5	97	70 - 130	2007-07-14
2-Chloroethyl vinyl ether		µg/L	50.0	49.5	99	70 - 130	2007-07-14
cis-1,3-Dichloropropene		µg/L	50.0	47.6	95	70 - 130	2007-07-14
trans-1,3-Dichloropropene		µg/L	50.0	48.2	96	70 - 130	2007-07-14
Toluene		µg/L	50.0	45.7	91	80 - 120	2007-07-14
1,1,2-Trichloroethane		µg/L	50.0	47.0	94	70 - 130	2007-07-14
1,3-Dichloropropane		µg/L	50.0	47.1	94	70 - 130	2007-07-14
Dibromochloromethane		µg/L	50.0	49.5	99	70 - 130	2007-07-14
1,2-Dibromoethane (EDB)		µg/L	50.0	49.4	99	70 - 130	2007-07-14
Tetrachloroethene (PCE)	[86]	µg/L	50.0	83.9	168	70 - 130	2007-07-14
Chlorobenzene		µg/L	50.0	45.5	91	80 - 120	2007-07-14
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.6	97	70 - 130	2007-07-14
Ethylbenzene		µg/L	50.0	46.3	93	80 - 120	2007-07-14
m,p-Xylene		µg/L	100	93.0	93	70 - 130	2007-07-14
Bromoform		µg/L	50.0	52.7	105	70 - 130	2007-07-14
Styrene		µg/L	50.0	49.8	100	70 - 130	2007-07-14
o-Xylene		µg/L	50.0	47.8	96	70 - 130	2007-07-14
1,1,2,2-Tetrachloroethane		µg/L	50.0	40.2	80	70 - 130	2007-07-14
2-Chlorotoluene		µg/L	50.0	45.0	90	70 - 130	2007-07-14
1,2,3-Trichloropropane		µg/L	50.0	45.2	90	70 - 130	2007-07-14
Isopropylbenzene		µg/L	50.0	45.2	90	70 - 130	2007-07-14
Bromobenzene		µg/L	50.0	45.2	90	70 - 130	2007-07-14
n-Propylbenzene		µg/L	50.0	43.9	88	70 - 130	2007-07-14
1,3,5-Trimethylbenzene		µg/L	50.0	45.0	90	70 - 130	2007-07-14
tert-Butylbenzene		µg/L	50.0	45.5	91	70 - 130	2007-07-14
1,2,4-Trimethylbenzene		µg/L	50.0	45.9	92	70 - 130	2007-07-14
1,4-Dichlorobenzene (para)		µg/L	50.0	44.1	88	70 - 130	2007-07-14
sec-Butylbenzene		µg/L	50.0	44.7	89	70 - 130	2007-07-14

continued ...

[85] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

[86] Tetrachloroethene outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,3-Dichlorobenzene (meta)		µg/L	50.0	45.9	92	70 - 130	2007-07-14
p-Isopropyltoluene		µg/L	50.0	45.1	90	70 - 130	2007-07-14
4-Chlorotoluene		µg/L	50.0	44.8	90	70 - 130	2007-07-14
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.1	94	70 - 130	2007-07-14
n-Butylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-14
1,2-Dibromo-3-chloropropane		µg/L	50.0	50.5	101	70 - 130	2007-07-14
1,2,3-Trichlorobenzene		µg/L	50.0	50.1	100	70 - 130	2007-07-14
1,2,4-Trichlorobenzene		µg/L	50.0	47.0	94	70 - 130	2007-07-14
Naphthalene		µg/L	50.0	53.1	106	70 - 130	2007-07-14
Hexachlorobutadiene		µg/L	50.0	47.4	95	70 - 130	2007-07-14

Standard (CCV-1)

QC Batch: 39186 Date Analyzed: 2007-07-17 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	47.2	94	70 - 130	2007-07-17
Dichlorodifluoromethane		µg/L	50.0	39.3	79	70 - 130	2007-07-17
Chloromethane (methyl chloride)		µg/L	50.0	38.3	77	70 - 130	2007-07-17
Vinyl Chloride		µg/L	50.0	41.7	83	80 - 120	2007-07-17
Bromomethane (methyl bromide)		µg/L	50.0	41.9	84	70 - 130	2007-07-17
Chloroethane		µg/L	50.0	40.9	82	70 - 130	2007-07-17
Trichlorofluoromethane		µg/L	50.0	48.1	96	70 - 130	2007-07-17
Acetone		µg/L	50.0	50.5	101	70 - 130	2007-07-17
Iodomethane (methyl iodide)		µg/L	50.0	47.7	95	70 - 130	2007-07-17
Carbon Disulfide		µg/L	50.0	40.9	82	70 - 130	2007-07-17
Acrylonitrile		µg/L	50.0	44.2	88	70 - 130	2007-07-17
2-Butanone (MEK)		µg/L	50.0	50.4	101	70 - 130	2007-07-17
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.7	99	70 - 130	2007-07-17
2-Hexanone		µg/L	50.0	44.2	88	70 - 130	2007-07-17
trans 1,4-Dichloro-2-butene		µg/L	50.0	42.8	86	70 - 130	2007-07-17
1,1-Dichloroethene		µg/L	50.0	44.2	88	80 - 120	2007-07-17
Methylene chloride		µg/L	50.0	42.2	84	70 - 130	2007-07-17
MTBE		µg/L	50.0	44.6	89	70 - 130	2007-07-17
trans-1,2-Dichloroethene		µg/L	50.0	43.6	87	70 - 130	2007-07-17
1,1-Dichloroethane		µg/L	50.0	42.5	85	70 - 130	2007-07-17
cis-1,2-Dichloroethene		µg/L	50.0	45.5	91	70 - 130	2007-07-17
2,2-Dichloropropane		µg/L	50.0	46.3	93	70 - 130	2007-07-17
1,2-Dichloroethane (EDC)		µg/L	50.0	40.2	80	70 - 130	2007-07-17
Chloroform		µg/L	50.0	42.3	85	80 - 120	2007-07-17
1,1,1-Trichloroethane		µg/L	50.0	42.6	85	70 - 130	2007-07-17
1,1-Dichloropropene		µg/L	50.0	45.0	90	70 - 130	2007-07-17
Benzene		µg/L	50.0	44.9	90	70 - 130	2007-07-17
Carbon Tetrachloride		µg/L	50.0	46.6	93	70 - 130	2007-07-17
1,2-Dichloropropane		µg/L	50.0	44.4	89	80 - 120	2007-07-17
Trichloroethene (TCE)		µg/L	50.0	49.7	99	70 - 130	2007-07-17
Dibromomethane (methylene bromide)		µg/L	50.0	46.5	93	70 - 130	2007-07-17

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromodichloromethane		µg/L	50.0	45.4	91	70 - 130	2007-07-17
2-Chloroethyl vinyl ether		µg/L	50.0	45.0	90	70 - 130	2007-07-17
cis-1,3-Dichloropropene		µg/L	50.0	48.1	96	70 - 130	2007-07-17
trans-1,3-Dichloropropene		µg/L	50.0	47.6	95	70 - 130	2007-07-17
Toluene		µg/L	50.0	43.4	87	80 - 120	2007-07-17
1,1,2-Trichloroethane		µg/L	50.0	44.2	88	70 - 130	2007-07-17
1,3-Dichloropropane		µg/L	50.0	44.0	88	70 - 130	2007-07-17
Dibromochloromethane		µg/L	50.0	48.9	98	70 - 130	2007-07-17
1,2-Dibromoethane (EDB)		µg/L	50.0	48.8	98	70 - 130	2007-07-17
Tetrachloroethene (PCE)		µg/L	50.0	47.8	96	70 - 130	2007-07-17
Chlorobenzene		µg/L	50.0	45.1	90	80 - 120	2007-07-17
1,1,1,2-Tetrachloroethane		µg/L	50.0	47.3	95	70 - 130	2007-07-17
Ethylbenzene		µg/L	50.0	43.7	87	80 - 120	2007-07-17
m,p-Xylene		µg/L	100	87.4	87	70 - 130	2007-07-17
Bromoform		µg/L	50.0	53.0	106	70 - 130	2007-07-17
Styrene		µg/L	50.0	48.1	96	70 - 130	2007-07-17
o-Xylene		µg/L	50.0	45.0	90	70 - 130	2007-07-17
1,1,2,2-Tetrachloroethane		µg/L	50.0	44.5	89	70 - 130	2007-07-17
2-Chlorotoluene		µg/L	50.0	42.5	85	70 - 130	2007-07-17
1,2,3-Trichloropropane		µg/L	50.0	43.5	87	70 - 130	2007-07-17
Isopropylbenzene		µg/L	50.0	44.8	90	70 - 130	2007-07-17
Bromobenzene		µg/L	50.0	42.6	85	70 - 130	2007-07-17
n-Propylbenzene		µg/L	50.0	41.5	83	70 - 130	2007-07-17
1,3,5-Trimethylbenzene		µg/L	50.0	43.5	87	70 - 130	2007-07-17
tert-Butylbenzene		µg/L	50.0	44.7	89	70 - 130	2007-07-17
1,2,4-Trimethylbenzene		µg/L	50.0	44.3	89	70 - 130	2007-07-17
1,4-Dichlorobenzene (para)		µg/L	50.0	43.8	88	70 - 130	2007-07-17
sec-Butylbenzene		µg/L	50.0	42.3	85	70 - 130	2007-07-17
1,3-Dichlorobenzene (meta)		µg/L	50.0	45.1	90	70 - 130	2007-07-17
p-Isopropyltoluene		µg/L	50.0	44.1	88	70 - 130	2007-07-17
4-Chlorotoluene		µg/L	50.0	43.3	87	70 - 130	2007-07-17
1,2-Dichlorobenzene (ortho)		µg/L	50.0	46.2	92	70 - 130	2007-07-17
n-Butylbenzene		µg/L	50.0	41.6	83	70 - 130	2007-07-17
1,2-Dibromo-3-chloropropane		µg/L	50.0	48.1	96	70 - 130	2007-07-17
1,2,3-Trichlorobenzene		µg/L	50.0	54.4	109	70 - 130	2007-07-17
1,2,4-Trichlorobenzene		µg/L	50.0	50.1	100	70 - 130	2007-07-17
Naphthalene		µg/L	50.0	53.9	108	70 - 130	2007-07-17
Hexachlorobutadiene		µg/L	50.0	48.8	98	70 - 130	2007-07-17

Standard (CCV-2)

QC Batch: 39186 Date Analyzed: 2007-07-17 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.2	96	70 - 130	2007-07-17
Dichlorodifluoromethane		µg/L	50.0	39.6	79	70 - 130	2007-07-17
Chloromethane (methyl chloride)		µg/L	50.0	41.3	83	70 - 130	2007-07-17

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	43.5	87	80 - 120	2007-07-17
Bromomethane (methyl bromide)		µg/L	50.0	44.2	88	70 - 130	2007-07-17
Chloroethane		µg/L	50.0	43.4	87	70 - 130	2007-07-17
Trichlorofluoromethane		µg/L	50.0	47.9	96	70 - 130	2007-07-17
Acetone		µg/L	50.0	43.9	88	70 - 130	2007-07-17
Iodomethane (methyl iodide)		µg/L	50.0	47.8	96	70 - 130	2007-07-17
Carbon Disulfide		µg/L	50.0	41.9	84	70 - 130	2007-07-17
Acrylonitrile		µg/L	50.0	47.1	94	70 - 130	2007-07-17
2-Butanone (MEK)		µg/L	50.0	46.6	93	70 - 130	2007-07-17
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.9	100	70 - 130	2007-07-17
2-Hexanone		µg/L	50.0	44.6	89	70 - 130	2007-07-17
trans 1,4-Dichloro-2-butene		µg/L	50.0	39.0	78	70 - 130	2007-07-17
1,1-Dichloroethene		µg/L	50.0	44.6	89	80 - 120	2007-07-17
Methylene chloride		µg/L	50.0	43.8	88	70 - 130	2007-07-17
MTBE		µg/L	50.0	47.1	94	70 - 130	2007-07-17
trans-1,2-Dichloroethene		µg/L	50.0	44.9	90	70 - 130	2007-07-17
1,1-Dichloroethane		µg/L	50.0	44.8	90	70 - 130	2007-07-17
cis-1,2-Dichloroethene		µg/L	50.0	46.6	93	70 - 130	2007-07-17
2,2-Dichloropropane	[87]	µg/L	50.0	32.1	64	70 - 130	2007-07-17
1,2-Dichloroethane (EDC)		µg/L	50.0	43.0	86	70 - 130	2007-07-17
Chloroform		µg/L	50.0	44.5	89	80 - 120	2007-07-17
1,1,1-Trichloroethane		µg/L	50.0	44.5	89	70 - 130	2007-07-17
1,1-Dichloropropene		µg/L	50.0	46.0	92	70 - 130	2007-07-17
Benzene		µg/L	50.0	46.5	93	70 - 130	2007-07-17
Carbon Tetrachloride		µg/L	50.0	47.4	95	70 - 130	2007-07-17
1,2-Dichloropropane		µg/L	50.0	46.6	93	80 - 120	2007-07-17
Trichloroethene (TCE)		µg/L	50.0	49.3	99	70 - 130	2007-07-17
Dibromomethane (methylene bromide)		µg/L	50.0	47.2	94	70 - 130	2007-07-17
Bromodichloromethane		µg/L	50.0	47.0	94	70 - 130	2007-07-17
2-Chloroethyl vinyl ether		µg/L	50.0	47.2	94	70 - 130	2007-07-17
cis-1,3-Dichloropropene		µg/L	50.0	46.8	94	70 - 130	2007-07-17
trans-1,3-Dichloropropene		µg/L	50.0	46.1	92	70 - 130	2007-07-17
Toluene		µg/L	50.0	44.3	89	80 - 120	2007-07-17
1,1,2-Trichloroethane		µg/L	50.0	46.0	92	70 - 130	2007-07-17
1,3-Dichloropropane		µg/L	50.0	45.9	92	70 - 130	2007-07-17
Dibromochloromethane		µg/L	50.0	50.4	101	70 - 130	2007-07-17
1,2-Dibromoethane (EDB)		µg/L	50.0	49.7	99	70 - 130	2007-07-17
Tetrachloroethene (PCE)		µg/L	50.0	48.9	98	70 - 130	2007-07-17
Chlorobenzene		µg/L	50.0	45.4	91	80 - 120	2007-07-17
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.8	98	70 - 130	2007-07-17
Ethylbenzene		µg/L	50.0	44.9	90	80 - 120	2007-07-17
m,p-Xylene		µg/L	100	89.4	89	70 - 130	2007-07-17
Bromoform		µg/L	50.0	54.2	108	70 - 130	2007-07-17
Styrene		µg/L	50.0	48.8	98	70 - 130	2007-07-17
o-Xylene		µg/L	50.0	45.8	92	70 - 130	2007-07-17
1,1,2,2-Tetrachloroethane		µg/L	50.0	46.0	92	70 - 130	2007-07-17
2-Chlorotoluene		µg/L	50.0	43.8	88	70 - 130	2007-07-17

continued ...

[87] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/L	50.0	44.4	89	70 - 130	2007-07-17
Isopropylbenzene		µg/L	50.0	45.5	91	70 - 130	2007-07-17
Bromobenzene		µg/L	50.0	44.1	88	70 - 130	2007-07-17
n-Propylbenzene		µg/L	50.0	42.5	85	70 - 130	2007-07-17
1,3,5-Trimethylbenzene		µg/L	50.0	44.0	88	70 - 130	2007-07-17
tert-Butylbenzene		µg/L	50.0	44.8	90	70 - 130	2007-07-17
1,2,4-Trimethylbenzene		µg/L	50.0	44.4	89	70 - 130	2007-07-17
1,4-Dichlorobenzene (para)		µg/L	50.0	43.3	87	70 - 130	2007-07-17
sec-Butylbenzene		µg/L	50.0	42.4	85	70 - 130	2007-07-17
1,3-Dichlorobenzene (meta)		µg/L	50.0	45.1	90	70 - 130	2007-07-17
p-Isopropyltoluene		µg/L	50.0	43.5	87	70 - 130	2007-07-17
4-Chlorotoluene		µg/L	50.0	44.1	88	70 - 130	2007-07-17
1,2-Dichlorobenzene (ortho)		µg/L	50.0	46.6	93	70 - 130	2007-07-17
n-Butylbenzene		µg/L	50.0	40.4	81	70 - 130	2007-07-17
1,2-Dibromo-3-chloropropane		µg/L	50.0	49.0	98	70 - 130	2007-07-17
1,2,3-Trichlorobenzene		µg/L	50.0	51.5	103	70 - 130	2007-07-17
1,2,4-Trichlorobenzene		µg/L	50.0	47.3	95	70 - 130	2007-07-17
Naphthalene		µg/L	50.0	53.2	106	70 - 130	2007-07-17
Hexachlorobutadiene		µg/L	50.0	44.6	89	70 - 130	2007-07-17

Standard (CCV-1)

QC Batch: 39268 Date Analyzed: 2007-07-19 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.7	99	70 - 130	2007-07-19
Dichlorodifluoromethane		µg/L	50.0	47.1	94	70 - 130	2007-07-19
Chloromethane (methyl chloride)		µg/L	50.0	37.4	75	70 - 130	2007-07-19
Vinyl Chloride		µg/L	50.0	42.8	86	80 - 120	2007-07-19
Bromomethane (methyl bromide)		µg/L	50.0	41.0	82	70 - 130	2007-07-19
Chloroethane		µg/L	50.0	37.0	74	70 - 130	2007-07-19
Trichlorofluoromethane		µg/L	50.0	45.8	92	70 - 130	2007-07-19
Acetone		µg/L	50.0	60.7	121	70 - 130	2007-07-19
Iodomethane (methyl iodide)		µg/L	50.0	58.5	117	70 - 130	2007-07-19
Carbon Disulfide		µg/L	50.0	48.4	97	70 - 130	2007-07-19
Acrylonitrile		µg/L	50.0	43.6	87	70 - 130	2007-07-19
2-Butanone (MEK)		µg/L	50.0	57.9	116	70 - 130	2007-07-19
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	53.7	107	70 - 130	2007-07-19
2-Hexanone		µg/L	50.0	47.9	96	70 - 130	2007-07-19
trans 1,4-Dichloro-2-butene		µg/L	50.0	49.8	100	70 - 130	2007-07-19
1,1-Dichloroethene		µg/L	50.0	46.2	92	80 - 120	2007-07-19
Methylene chloride		µg/L	50.0	43.7	87	70 - 130	2007-07-19
MTBE		µg/L	50.0	44.6	89	70 - 130	2007-07-19
trans-1,2-Dichloroethene		µg/L	50.0	44.8	90	70 - 130	2007-07-19
1,1-Dichloroethane		µg/L	50.0	43.8	88	70 - 130	2007-07-19
cis-1,2-Dichloroethene		µg/L	50.0	45.6	91	70 - 130	2007-07-19
2,2-Dichloropropane		µg/L	50.0	46.5	93	70 - 130	2007-07-19

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dichloroethane (EDC)		µg/L	50.0	38.1	76	70 - 130	2007-07-19
Chloroform		µg/L	50.0	43.2	86	80 - 120	2007-07-19
1,1,1-Trichloroethane		µg/L	50.0	44.3	89	70 - 130	2007-07-19
1,1-Dichloropropene		µg/L	50.0	44.8	90	70 - 130	2007-07-19
Benzene		µg/L	50.0	45.7	91	70 - 130	2007-07-19
Carbon Tetrachloride		µg/L	50.0	48.3	97	70 - 130	2007-07-19
1,2-Dichloropropane		µg/L	50.0	44.0	88	80 - 120	2007-07-19
Trichloroethene (TCE)		µg/L	50.0	50.8	102	70 - 130	2007-07-19
Dibromomethane (methylene bromide)		µg/L	50.0	48.2	96	70 - 130	2007-07-19
Bromodichloromethane		µg/L	50.0	45.3	91	70 - 130	2007-07-19
2-Chloroethyl vinyl ether		µg/L	50.0	44.6	89	70 - 130	2007-07-19
cis-1,3-Dichloropropene		µg/L	50.0	49.0	98	70 - 130	2007-07-19
trans-1,3-Dichloropropene		µg/L	50.0	49.2	98	70 - 130	2007-07-19
Toluene		µg/L	50.0	44.0	88	80 - 120	2007-07-19
1,1,2-Trichloroethane		µg/L	50.0	43.0	86	70 - 130	2007-07-19
1,3-Dichloropropane		µg/L	50.0	42.9	86	70 - 130	2007-07-19
Dibromochloromethane		µg/L	50.0	49.7	99	70 - 130	2007-07-19
1,2-Dibromoethane (EDB)		µg/L	50.0	48.9	98	70 - 130	2007-07-19
Tetrachloroethene (PCE)		µg/L	50.0	48.8	98	70 - 130	2007-07-19
Chlorobenzene		µg/L	50.0	45.0	90	80 - 120	2007-07-19
1,1,1,2-Tetrachloroethane		µg/L	50.0	46.4	93	70 - 130	2007-07-19
Ethylbenzene		µg/L	50.0	43.0	86	80 - 120	2007-07-19
m,p-Xylene		µg/L	100	85.8	86	70 - 130	2007-07-19
Bromoform		µg/L	50.0	56.5	113	70 - 130	2007-07-19
Styrene		µg/L	50.0	51.9	104	70 - 130	2007-07-19
o-Xylene		µg/L	50.0	44.1	88	70 - 130	2007-07-19
1,1,2,2-Tetrachloroethane		µg/L	50.0	44.6	89	70 - 130	2007-07-19
2-Chlorotoluene		µg/L	50.0	39.8	80	70 - 130	2007-07-19
1,2,3-Trichloropropane		µg/L	50.0	43.4	87	70 - 130	2007-07-19
Isopropylbenzene		µg/L	50.0	41.0	82	70 - 130	2007-07-19
Bromobenzene		µg/L	50.0	40.6	81	70 - 130	2007-07-19
n-Propylbenzene		µg/L	50.0	37.6	75	70 - 130	2007-07-19
1,3,5-Trimethylbenzene		µg/L	50.0	40.1	80	70 - 130	2007-07-19
tert-Butylbenzene		µg/L	50.0	40.8	82	70 - 130	2007-07-19
1,2,4-Trimethylbenzene		µg/L	50.0	41.2	82	70 - 130	2007-07-19
1,4-Dichlorobenzene (para)		µg/L	50.0	42.5	85	70 - 130	2007-07-19
sec-Butylbenzene		µg/L	50.0	38.1	76	70 - 130	2007-07-19
1,3-Dichlorobenzene (meta)		µg/L	50.0	44.1	88	70 - 130	2007-07-19
p-Isopropyltoluene		µg/L	50.0	40.5	81	70 - 130	2007-07-19
4-Chlorotoluene		µg/L	50.0	41.1	82	70 - 130	2007-07-19
1,2-Dichlorobenzene (ortho)		µg/L	50.0	45.9	92	70 - 130	2007-07-19
n-Butylbenzene		µg/L	50.0	38.1	76	70 - 130	2007-07-19
1,2-Dibromo-3-chloropropane		µg/L	50.0	47.1	94	70 - 130	2007-07-19
1,2,3-Trichlorobenzene		µg/L	50.0	60.0	120	70 - 130	2007-07-19
1,2,4-Trichlorobenzene		µg/L	50.0	51.4	103	70 - 130	2007-07-19
Naphthalene		µg/L	50.0	61.0	122	70 - 130	2007-07-19
Hexachlorobutadiene		µg/L	50.0	50.4	101	70 - 130	2007-07-19

Standard (CCV-2)

QC Batch: 39268 | Date Analyzed: 2007-07-19 | Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.3	105	70 - 130	2007-07-19
Dichlorodifluoromethane		µg/L	50.0	47.3	95	70 - 130	2007-07-19
Chloromethane (methyl chloride)		µg/L	50.0	42.4	85	70 - 130	2007-07-19
Vinyl Chloride		µg/L	50.0	45.1	90	80 - 120	2007-07-19
Bromomethane (methyl bromide)		µg/L	50.0	53.0	106	70 - 130	2007-07-19
Chloroethane		µg/L	50.0	44.0	88	70 - 130	2007-07-19
Trichlorofluoromethane		µg/L	50.0	48.5	97	70 - 130	2007-07-19
Acetone		µg/L	50.0	50.8	102	70 - 130	2007-07-19
Iodomethane (methyl iodide)		µg/L	50.0	58.2	116	70 - 130	2007-07-19
Carbon Disulfide		µg/L	50.0	50.7	101	70 - 130	2007-07-19
Acrylonitrile		µg/L	50.0	48.3	97	70 - 130	2007-07-19
2-Butanone (MEK)		µg/L	50.0	51.5	103	70 - 130	2007-07-19
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	51.8	104	70 - 130	2007-07-19
2-Hexanone		µg/L	50.0	46.9	94	70 - 130	2007-07-19
trans 1,4-Dichloro-2-butene		µg/L	50.0	45.5	91	70 - 130	2007-07-19
1,1-Dichloroethene		µg/L	50.0	48.0	96	80 - 120	2007-07-19
Methylene chloride		µg/L	50.0	47.1	94	70 - 130	2007-07-19
MTBE		µg/L	50.0	47.5	95	70 - 130	2007-07-19
trans-1,2-Dichloroethene		µg/L	50.0	47.6	95	70 - 130	2007-07-19
1,1-Dichloroethane		µg/L	50.0	48.6	97	70 - 130	2007-07-19
cis-1,2-Dichloroethene		µg/L	50.0	48.9	98	70 - 130	2007-07-19
2,2-Dichloropropane	[88]	µg/L	50.0	34.0	68	70 - 130	2007-07-19
1,2-Dichloroethane (EDC)		µg/L	50.0	44.3	89	70 - 130	2007-07-19
Chloroform		µg/L	50.0	48.0	96	80 - 120	2007-07-19
1,1,1-Trichloroethane		µg/L	50.0	47.6	95	70 - 130	2007-07-19
1,1-Dichloropropene		µg/L	50.0	48.0	96	70 - 130	2007-07-19
Benzene		µg/L	50.0	49.0	98	70 - 130	2007-07-19
Carbon Tetrachloride		µg/L	50.0	51.0	102	70 - 130	2007-07-19
1,2-Dichloropropane		µg/L	50.0	48.0	96	80 - 120	2007-07-19
Trichloroethene (TCE)		µg/L	50.0	51.3	103	70 - 130	2007-07-19
Dibromomethane (methylene bromide)		µg/L	50.0	51.1	102	70 - 130	2007-07-19
Bromodichloromethane		µg/L	50.0	49.0	98	70 - 130	2007-07-19
2-Chloroethyl vinyl ether		µg/L	50.0	48.6	97	70 - 130	2007-07-19
cis-1,3-Dichloropropene		µg/L	50.0	49.4	99	70 - 130	2007-07-19
trans-1,3-Dichloropropene		µg/L	50.0	49.4	99	70 - 130	2007-07-19
Toluene		µg/L	50.0	46.1	92	80 - 120	2007-07-19
1,1,2-Trichloroethane		µg/L	50.0	45.9	92	70 - 130	2007-07-19
1,3-Dichloropropane		µg/L	50.0	45.9	92	70 - 130	2007-07-19
Dibromochloromethane		µg/L	50.0	50.7	101	70 - 130	2007-07-19
1,2-Dibromoethane (EDB)		µg/L	50.0	49.4	99	70 - 130	2007-07-19
Tetrachloroethene (PCE)		µg/L	50.0	52.8	106	70 - 130	2007-07-19
Chlorobenzene		µg/L	50.0	45.8	92	80 - 120	2007-07-19
1,1,1,2-Tetrachloroethane		µg/L	50.0	48.6	97	70 - 130	2007-07-19
Ethylbenzene		µg/L	50.0	45.2	90	80 - 120	2007-07-19

continued ...

[88] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
m,p-Xylene		µg/L	100	90.3	90	70 - 130	2007-07-19
Bromoform		µg/L	50.0	57.7	115	70 - 130	2007-07-19
Styrene		µg/L	50.0	52.7	105	70 - 130	2007-07-19
o-Xylene		µg/L	50.0	45.8	92	70 - 130	2007-07-19
1,1,2,2-Tetrachloroethane		µg/L	50.0	44.7	89	70 - 130	2007-07-19
2-Chlorotoluene		µg/L	50.0	43.3	87	70 - 130	2007-07-19
1,2,3-Trichloropropane		µg/L	50.0	45.3	91	70 - 130	2007-07-19
Isopropylbenzene		µg/L	50.0	43.9	88	70 - 130	2007-07-19
Bromobenzene		µg/L	50.0	43.8	88	70 - 130	2007-07-19
n-Propylbenzene		µg/L	50.0	40.9	82	70 - 130	2007-07-19
1,3,5-Trimethylbenzene		µg/L	50.0	42.1	84	70 - 130	2007-07-19
tert-Butylbenzene		µg/L	50.0	41.9	84	70 - 130	2007-07-19
1,2,4-Trimethylbenzene		µg/L	50.0	43.2	86	70 - 130	2007-07-19
1,4-Dichlorobenzene (para)		µg/L	50.0	43.0	86	70 - 130	2007-07-19
sec-Butylbenzene		µg/L	50.0	39.1	78	70 - 130	2007-07-19
1,3-Dichlorobenzene (meta)		µg/L	50.0	44.3	89	70 - 130	2007-07-19
p-Isopropyltoluene		µg/L	50.0	40.4	81	70 - 130	2007-07-19
4-Chlorotoluene		µg/L	50.0	43.9	88	70 - 130	2007-07-19
1,2-Dichlorobenzene (ortho)		µg/L	50.0	45.7	91	70 - 130	2007-07-19
n-Butylbenzene		µg/L	50.0	37.2	74	70 - 130	2007-07-19
1,2-Dibromo-3-chloropropane		µg/L	50.0	46.0	92	70 - 130	2007-07-19
1,2,3-Trichlorobenzene		µg/L	50.0	47.1	94	70 - 130	2007-07-19
1,2,4-Trichlorobenzene		µg/L	50.0	42.7	85	70 - 130	2007-07-19
Naphthalene		µg/L	50.0	48.1	96	70 - 130	2007-07-19
Hexachlorobutadiene		µg/L	50.0	40.8	82	70 - 130	2007-07-19

Standard (CCV-1)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.4	97	70 - 130	2007-07-24
Dichlorodifluoromethane		µg/L	50.0	48.9	98	70 - 130	2007-07-24
Chloromethane (methyl chloride)	[89]	µg/L	50.0	32.3	65	70 - 130	2007-07-24
Vinyl Chloride		µg/L	50.0	40.8	82	80 - 120	2007-07-24
Bromomethane (methyl bromide)		µg/L	50.0	42.2	84	70 - 130	2007-07-24
Chloroethane		µg/L	50.0	35.8	72	70 - 130	2007-07-24
Trichlorofluoromethane		µg/L	50.0	49.7	99	70 - 130	2007-07-24
Acetone	[90]	µg/L	50.0	123	246	70 - 130	2007-07-24
Iodomethane (methyl iodide)		µg/L	50.0	57.9	116	70 - 130	2007-07-24
Carbon Disulfide		µg/L	50.0	48.5	97	70 - 130	2007-07-24
Acrylonitrile		µg/L	50.0	41.0	82	70 - 130	2007-07-24
2-Butanone (MEK)		µg/L	50.0	65.1	130	70 - 130	2007-07-24

continued ...

[89] Chloromethane outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[90] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.0	104	70 - 130	2007-07-24
2-Hexanone		µg/L	50.0	43.4	87	70 - 130	2007-07-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	48.2	96	70 - 130	2007-07-24
1,1-Dichloroethene		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Methylene chloride		µg/L	50.0	42.4	85	70 - 130	2007-07-24
MTBE		µg/L	50.0	43.5	87	70 - 130	2007-07-24
trans-1,2-Dichloroethene		µg/L	50.0	43.1	86	70 - 130	2007-07-24
1,1-Dichloroethane		µg/L	50.0	41.2	82	70 - 130	2007-07-24
cis-1,2-Dichloroethene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
2,2-Dichloropropane		µg/L	50.0	47.5	95	70 - 130	2007-07-24
1,2-Dichloroethane (EDC)		µg/L	50.0	36.8	74	70 - 130	2007-07-24
Chloroform		µg/L	50.0	41.6	83	80 - 120	2007-07-24
1,1,1-Trichloroethane		µg/L	50.0	43.3	87	70 - 130	2007-07-24
1,1-Dichloropropene		µg/L	50.0	45.1	90	70 - 130	2007-07-24
Benzene		µg/L	50.0	46.0	92	70 - 130	2007-07-24
Carbon Tetrachloride		µg/L	50.0	50.1	100	70 - 130	2007-07-24
1,2-Dichloropropane		µg/L	50.0	43.7	87	80 - 120	2007-07-24
Trichloroethene (TCE)		µg/L	50.0	51.2	102	70 - 130	2007-07-24
Dibromomethane (methylene bromide)		µg/L	50.0	47.8	96	70 - 130	2007-07-24
Bromodichloromethane		µg/L	50.0	45.5	91	70 - 130	2007-07-24
2-Chloroethyl vinyl ether		µg/L	50.0	44.2	88	70 - 130	2007-07-24
cis-1,3-Dichloropropene		µg/L	50.0	49.8	100	70 - 130	2007-07-24
trans-1,3-Dichloropropene		µg/L	50.0	49.7	99	70 - 130	2007-07-24
Toluene		µg/L	50.0	44.5	89	80 - 120	2007-07-24
1,1,2-Trichloroethane		µg/L	50.0	46.0	92	70 - 130	2007-07-24
1,3-Dichloropropane		µg/L	50.0	45.7	91	70 - 130	2007-07-24
Dibromochloromethane		µg/L	50.0	52.9	106	70 - 130	2007-07-24
1,2-Dibromoethane (EDB)		µg/L	50.0	51.9	104	70 - 130	2007-07-24
Tetrachloroethene (PCE)		µg/L	50.0	53.0	106	70 - 130	2007-07-24
Chlorobenzene		µg/L	50.0	48.2	96	80 - 120	2007-07-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.9	102	70 - 130	2007-07-24
Ethylbenzene		µg/L	50.0	46.0	92	80 - 120	2007-07-24
m,p-Xylene		µg/L	100	92.1	92	70 - 130	2007-07-24
Bromoform		µg/L	50.0	63.0	126	70 - 130	2007-07-24
Styrene		µg/L	50.0	55.2	110	70 - 130	2007-07-24
o-Xylene		µg/L	50.0	47.0	94	70 - 130	2007-07-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	47.5	95	70 - 130	2007-07-24
2-Chlorotoluene		µg/L	50.0	43.0	86	70 - 130	2007-07-24
1,2,3-Trichloropropane		µg/L	50.0	47.2	94	70 - 130	2007-07-24
Isopropylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
Bromobenzene		µg/L	50.0	43.3	87	70 - 130	2007-07-24
n-Propylbenzene		µg/L	50.0	40.6	81	70 - 130	2007-07-24
1,3,5-Trimethylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
tert-Butylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-24
1,2,4-Trimethylbenzene		µg/L	50.0	45.4	91	70 - 130	2007-07-24
1,4-Dichlorobenzene (para)		µg/L	50.0	47.1	94	70 - 130	2007-07-24
sec-Butylbenzene		µg/L	50.0	42.1	84	70 - 130	2007-07-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.4	97	70 - 130	2007-07-24
p-Isopropyltoluene		µg/L	50.0	45.4	91	70 - 130	2007-07-24

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Chlorotoluene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.5	103	70 - 130	2007-07-24
n-Butylbenzene		µg/L	50.0	42.8	86	70 - 130	2007-07-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	56.2	112	70 - 130	2007-07-24
1,2,3-Trichlorobenzene	[91]	µg/L	50.0	80.8	162	70 - 130	2007-07-24
1,2,4-Trichlorobenzene	[92]	µg/L	50.0	66.0	132	70 - 130	2007-07-24
Naphthalene	[93]	µg/L	50.0	77.0	154	70 - 130	2007-07-24
Hexachlorobutadiene		µg/L	50.0	61.4	123	70 - 130	2007-07-24

Standard (CCV-2)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.3	97	70 - 130	2007-07-24
Dichlorodifluoromethane		µg/L	50.0	50.1	100	70 - 130	2007-07-24
Chloromethane (methyl chloride)		µg/L	50.0	35.8	72	70 - 130	2007-07-24
Vinyl Chloride		µg/L	50.0	44.7	89	80 - 120	2007-07-24
Bromomethane (methyl bromide)		µg/L	50.0	50.3	101	70 - 130	2007-07-24
Chloroethane		µg/L	50.0	42.5	85	70 - 130	2007-07-24
Trichlorofluoromethane		µg/L	50.0	53.4	107	70 - 130	2007-07-24
Acetone		µg/L	50.0	46.3	93	70 - 130	2007-07-24
Iodomethane (methyl iodide)		µg/L	50.0	56.9	114	70 - 130	2007-07-24
Carbon Disulfide		µg/L	50.0	49.1	98	70 - 130	2007-07-24
Acrylonitrile		µg/L	50.0	43.9	88	70 - 130	2007-07-24
2-Butanone (MEK)		µg/L	50.0	47.1	94	70 - 130	2007-07-24
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.1	100	70 - 130	2007-07-24
2-Hexanone		µg/L	50.0	44.6	89	70 - 130	2007-07-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	43.2	86	70 - 130	2007-07-24
1,1-Dichloroethene		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Methylene chloride		µg/L	50.0	42.3	85	70 - 130	2007-07-24
MTBE		µg/L	50.0	45.2	90	70 - 130	2007-07-24
trans-1,2-Dichloroethene		µg/L	50.0	43.8	88	70 - 130	2007-07-24
1,1-Dichloroethane		µg/L	50.0	43.8	88	70 - 130	2007-07-24
cis-1,2-Dichloroethene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
2,2-Dichloropropane	[94]	µg/L	50.0	34.0	68	70 - 130	2007-07-24
1,2-Dichloroethane (EDC)		µg/L	50.0	41.3	83	70 - 130	2007-07-24
Chloroform		µg/L	50.0	44.1	88	80 - 120	2007-07-24
1,1,1-Trichloroethane		µg/L	50.0	45.7	91	70 - 130	2007-07-24
1,1-Dichloropropene		µg/L	50.0	45.7	91	70 - 130	2007-07-24

continued ...

[91] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[92] 1,2,4-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[93] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[94] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		µg/L	50.0	45.7	91	70 - 130	2007-07-24
Carbon Tetrachloride		µg/L	50.0	51.8	104	70 - 130	2007-07-24
1,2-Dichloropropane		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Trichloroethene (TCE)		µg/L	50.0	49.3	99	70 - 130	2007-07-24
Dibromomethane (methylene bromide)		µg/L	50.0	49.4	99	70 - 130	2007-07-24
Bromodichloromethane		µg/L	50.0	46.9	94	70 - 130	2007-07-24
2-Chloroethyl vinyl ether		µg/L	50.0	45.6	91	70 - 130	2007-07-24
cis-1,3-Dichloropropene		µg/L	50.0	47.1	94	70 - 130	2007-07-24
trans-1,3-Dichloropropene		µg/L	50.0	48.2	96	70 - 130	2007-07-24
Toluene		µg/L	50.0	44.2	88	80 - 120	2007-07-24
1,1,2-Trichloroethane		µg/L	50.0	45.8	92	70 - 130	2007-07-24
1,3-Dichloropropane		µg/L	50.0	46.2	92	70 - 130	2007-07-24
Dibromochloromethane		µg/L	50.0	52.4	105	70 - 130	2007-07-24
1,2-Dibromoethane (EDB)		µg/L	50.0	50.6	101	70 - 130	2007-07-24
Tetrachloroethene (PCE)		µg/L	50.0	51.6	103	70 - 130	2007-07-24
Chlorobenzene		µg/L	50.0	47.1	94	80 - 120	2007-07-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.7	101	70 - 130	2007-07-24
Ethylbenzene		µg/L	50.0	46.3	93	80 - 120	2007-07-24
m,p-Xylene		µg/L	100	92.3	92	70 - 130	2007-07-24
Bromoform		µg/L	50.0	60.8	122	70 - 130	2007-07-24
Styrene		µg/L	50.0	54.0	108	70 - 130	2007-07-24
o-Xylene		µg/L	50.0	47.1	94	70 - 130	2007-07-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	46.4	93	70 - 130	2007-07-24
2-Chlorotoluene		µg/L	50.0	43.1	86	70 - 130	2007-07-24
1,2,3-Trichloropropane		µg/L	50.0	44.8	90	70 - 130	2007-07-24
Isopropylbenzene		µg/L	50.0	43.5	87	70 - 130	2007-07-24
Bromobenzene		µg/L	50.0	43.2	86	70 - 130	2007-07-24
n-Propylbenzene		µg/L	50.0	40.3	81	70 - 130	2007-07-24
1,3,5-Trimethylbenzene		µg/L	50.0	43.6	87	70 - 130	2007-07-24
tert-Butylbenzene		µg/L	50.0	43.9	88	70 - 130	2007-07-24
1,2,4-Trimethylbenzene		µg/L	50.0	44.6	89	70 - 130	2007-07-24
1,4-Dichlorobenzene (para)		µg/L	50.0	45.1	90	70 - 130	2007-07-24
sec-Butylbenzene		µg/L	50.0	40.7	81	70 - 130	2007-07-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.3	93	70 - 130	2007-07-24
p-Isopropyltoluene		µg/L	50.0	42.9	86	70 - 130	2007-07-24
4-Chlorotoluene		µg/L	50.0	43.4	87	70 - 130	2007-07-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.2	98	70 - 130	2007-07-24
n-Butylbenzene		µg/L	50.0	40.4	81	70 - 130	2007-07-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	55.1	110	70 - 130	2007-07-24
1,2,3-Trichlorobenzene		µg/L	50.0	60.2	120	70 - 130	2007-07-24
1,2,4-Trichlorobenzene		µg/L	50.0	54.5	109	70 - 130	2007-07-24
Naphthalene	[95]	µg/L	50.0	66.0	132	70 - 130	2007-07-24
Hexachlorobutadiene		µg/L	50.0	49.0	98	70 - 130	2007-07-24

Standard (CCV-1)

QC Batch: 39424 Date Analyzed: 2007-07-25 Analyzed By: JG

[95] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.2	96	70 - 130	2007-07-25
Dichlorodifluoromethane		µg/L	50.0	50.2	100	70 - 130	2007-07-25
Chloromethane (methyl chloride)		µg/L	50.0	50.6	101	70 - 130	2007-07-25
Vinyl Chloride		µg/L	50.0	51.3	103	80 - 120	2007-07-25
Bromomethane (methyl bromide)		µg/L	50.0	52.9	106	70 - 130	2007-07-25
Chloroethane		µg/L	50.0	51.4	103	70 - 130	2007-07-25
Trichlorofluoromethane		µg/L	50.0	49.8	100	70 - 130	2007-07-25
Acetone		µg/L	50.0	37.6	75	70 - 130	2007-07-25
Iodomethane (methyl iodide)		µg/L	50.0	47.9	96	70 - 130	2007-07-25
Carbon Disulfide		µg/L	50.0	47.8	96	70 - 130	2007-07-25
Acrylonitrile		µg/L	50.0	50.5	101	70 - 130	2007-07-25
2-Butanone (MEK)		µg/L	50.0	47.1	94	70 - 130	2007-07-25
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	51.5	103	70 - 130	2007-07-25
2-Hexanone		µg/L	50.0	53.6	107	70 - 130	2007-07-25
trans 1,4-Dichloro-2-butene		µg/L	50.0	50.9	102	70 - 130	2007-07-25
1,1-Dichloroethene		µg/L	50.0	47.8	96	80 - 120	2007-07-25
Methylene chloride		µg/L	50.0	44.4	89	70 - 130	2007-07-25
MTBE		µg/L	50.0	49.5	99	70 - 130	2007-07-25
trans-1,2-Dichloroethene		µg/L	50.0	46.9	94	70 - 130	2007-07-25
1,1-Dichloroethane		µg/L	50.0	48.7	97	70 - 130	2007-07-25
cis-1,2-Dichloroethene		µg/L	50.0	48.1	96	70 - 130	2007-07-25
2,2-Dichloropropane		µg/L	50.0	45.8	92	70 - 130	2007-07-25
1,2-Dichloroethane (EDC)		µg/L	50.0	49.4	99	70 - 130	2007-07-25
Chloroform		µg/L	50.0	48.3	97	80 - 120	2007-07-25
1,1,1-Trichloroethane		µg/L	50.0	48.8	98	70 - 130	2007-07-25
1,1-Dichloropropene		µg/L	50.0	48.3	97	70 - 130	2007-07-25
Benzene		µg/L	50.0	47.8	96	70 - 130	2007-07-25
Carbon Tetrachloride		µg/L	50.0	48.7	97	70 - 130	2007-07-25
1,2-Dichloropropane		µg/L	50.0	48.0	96	80 - 120	2007-07-25
Trichloroethene (TCE)		µg/L	50.0	48.2	96	70 - 130	2007-07-25
Dibromomethane (methylene bromide)		µg/L	50.0	48.9	98	70 - 130	2007-07-25
Bromodichloromethane		µg/L	50.0	49.6	99	70 - 130	2007-07-25
2-Chloroethyl vinyl ether		µg/L	50.0	49.4	99	70 - 130	2007-07-25
cis-1,3-Dichloropropene		µg/L	50.0	50.2	100	70 - 130	2007-07-25
trans-1,3-Dichloropropene		µg/L	50.0	50.8	102	70 - 130	2007-07-25
Toluene		µg/L	50.0	48.1	96	80 - 120	2007-07-25
1,1,2-Trichloroethane		µg/L	50.0	48.8	98	70 - 130	2007-07-25
1,3-Dichloropropane		µg/L	50.0	49.2	98	70 - 130	2007-07-25
Dibromochloromethane		µg/L	50.0	50.8	102	70 - 130	2007-07-25
1,2-Dibromoethane (EDB)		µg/L	50.0	49.2	98	70 - 130	2007-07-25
Tetrachloroethene (PCE)		µg/L	50.0	46.7	93	70 - 130	2007-07-25
Chlorobenzene		µg/L	50.0	47.3	95	80 - 120	2007-07-25
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.2	98	70 - 130	2007-07-25
Ethylbenzene		µg/L	50.0	48.1	96	80 - 120	2007-07-25
m,p-Xylene		µg/L	100	95.7	96	70 - 130	2007-07-25
Bromoform		µg/L	50.0	52.6	105	70 - 130	2007-07-25
Styrene		µg/L	50.0	50.5	101	70 - 130	2007-07-25
o-Xylene		µg/L	50.0	49.3	99	70 - 130	2007-07-25
1,1,2,2-Tetrachloroethane		µg/L	50.0	48.9	98	70 - 130	2007-07-25
2-Chlorotoluene		µg/L	50.0	47.1	94	70 - 130	2007-07-25

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/L	50.0	49.0	98	70 - 130	2007-07-25
Isopropylbenzene		µg/L	50.0	47.7	95	70 - 130	2007-07-25
Bromobenzene		µg/L	50.0	47.5	95	70 - 130	2007-07-25
n-Propylbenzene		µg/L	50.0	47.4	95	70 - 130	2007-07-25
1,3,5-Trimethylbenzene		µg/L	50.0	47.5	95	70 - 130	2007-07-25
tert-Butylbenzene		µg/L	50.0	47.7	95	70 - 130	2007-07-25
1,2,4-Trimethylbenzene		µg/L	50.0	47.6	95	70 - 130	2007-07-25
1,4-Dichlorobenzene (para)		µg/L	50.0	46.4	93	70 - 130	2007-07-25
sec-Butylbenzene		µg/L	50.0	47.7	95	70 - 130	2007-07-25
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.9	94	70 - 130	2007-07-25
p-Isopropyltoluene		µg/L	50.0	48.1	96	70 - 130	2007-07-25
4-Chlorotoluene		µg/L	50.0	47.3	95	70 - 130	2007-07-25
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.6	95	70 - 130	2007-07-25
n-Butylbenzene		µg/L	50.0	48.5	97	70 - 130	2007-07-25
1,2-Dibromo-3-chloropropane		µg/L	50.0	48.6	97	70 - 130	2007-07-25
1,2,3-Trichlorobenzene		µg/L	50.0	49.1	98	70 - 130	2007-07-25
1,2,4-Trichlorobenzene		µg/L	50.0	49.2	98	70 - 130	2007-07-25
Naphthalene		µg/L	50.0	47.4	95	70 - 130	2007-07-25
Hexachlorobutadiene		µg/L	50.0	47.4	95	70 - 130	2007-07-25

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: June 29, 2007

Work Order: 7061301

Project Name: Main Post Landfill Well MPL-01-TO MPL-04
Project Number: 15

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
127179	MNPL-MPL-MPL-103-0207	water	2007-02-12	10:07	2007-06-11
127184	MNPL-MPL-MPL-003-0207	water	2007-02-12	10:07	2007-06-11
127185	MNPL-MPL-MPL-002-0207	water	2007-02-09	10:45	2007-06-11
127186	MNPL-MPL-MPL-001-0207	water	2007-02-08	14:55	2007-06-11
127187	MNPL-MPL-MPL-001-0607	water	2007-06-06	13:50	2007-06-04
127188	MNPL-MPL-MPL-002-0607	water	2007-06-07	10:15	2007-06-04
127189	MNPL-MPL-MPL-003-0607	water	2007-06-07	13:31	2007-06-04
127190	MNPL-MPL-MPL-103-0607	water	2007-06-07	13:31	2007-06-04
127191	MNPL-MPL-MPL-004-0607	water	2007-06-11	10:21	2007-06-04
127196	MNPL-MPL-MPL-004-0207	water	2007-02-12	14:15	2007-06-11

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 26 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Main Post Landfill Well MPL-01-TO MPL-04, Main Post Landfill Well MPL-01-TO MPL-04, Main Post Landfill Well MPL-01-TO MPL-04, Main Post Landfill Well MPL-01-TO MPL-04, MPL Total Metals and Main Post Landfill Well MPL-01-TO MPL-04 were received by TraceAnalysis, Inc. on 2007-06-11, 2007-06-11, 2007-06-11, 2007-06-11, 2007-06-04 and 2007-06-11 and assigned to work orders 7061301, 7061303, 7061304, 7061305, 7061306 and 7061309 respecively. Samples for work order 7061301 were received intact at a temperature of 4.0 deg.C.Samples for work order 7061303 were received intact at a temperature of 4.0 deg.C.Samples for work order 7061304 were received intact at a temperature of 4.0 deg.C.Samples for work order 7061305 were received intact at a temperature of 4.0 deg.C.Samples for work order 7061306 were received intact at a temperature of 4.0 deg.C.Samples for work order 7061309 were received intact at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7061301, 7061303, 7061304, 7061305, 7061306 and 7061309 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 127179 - MNPL-MPL-MPL-103-0207

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Calcium		**90.6**	mg/L	1	1.00
Total Magnesium		**16.1**	mg/L	1	1.00
Total Potassium		**4.09**	mg/L	1	1.00
Total Sodium		**37.1**	mg/L	1	1.00

Sample: 127179 - MNPL-MPL-MPL-103-0207

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.0720**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0450**	mg/L	1	0.00500
Total Barium		**0.0550**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		**0.0120**	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.246**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Uranium		<0.0200	mg/L	1	0.0200
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 127184 - MNPL-MPL-MPL-003-0207

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38634	Date Analyzed:	2007-06-28	Analyzed By:	TP
Prep Batch:	33401	Sample Preparation:	2007-06-28	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Total Calcium		**88.2**	mg/L	1	1.00
Total Magnesium		**15.0**	mg/L	1	1.00
Total Potassium		**4.20**	mg/L	1	1.00
Total Sodium		**35.0**	mg/L	1	1.00

Sample: 127184 - MNPL-MPL-MPL-003-0207

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38621	Date Analyzed:	2007-06-28	Analyzed By:	RR
Prep Batch:	33401	Sample Preparation:	2007-06-28	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.0880**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0160**	mg/L	1	0.00500
Total Barium		**0.0550**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.261**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 127184 - MNPL-MPL-MPL-003-0207

Analysis:	U, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38621	Date Analyzed:	2007-06-28	Analyzed By:	RR
Prep Batch:	33401	Sample Preparation:	2007-06-28	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Total Uranium		<0.0200	mg/L	1	0.0200

Sample: 127185 - MNPL-MPL-MPL-002-0207

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Calcium		**70.5**	mg/L	1	1.00
Total Magnesium		**12.1**	mg/L	1	1.00
Total Potassium		**3.59**	mg/L	1	1.00
Total Sodium		**32.1**	mg/L	1	1.00

Sample: 127185 - MNPL-MPL-MPL-002-0207

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.0630**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0290**	mg/L	1	0.00500
Total Barium		**0.0770**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		**0.0120**	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.239**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		**0.0200**	mg/L	1	0.00500

Sample: 127185 - MNPL-MPL-MPL-002-0207

Analysis:	U, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Uranium		<0.0200	mg/L	1	0.0200

Sample: 127186 - MNPL-MPL-MPL-001-0207

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Total Calcium		**49.4**	mg/L	1	1.00
Total Magnesium		**8.34**	mg/L	1	1.00
Total Potassium		**3.14**	mg/L	1	1.00
Total Sodium		**26.3**	mg/L	1	1.00

Sample: 127186 - MNPL-MPL-MPL-001-0207

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.693**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0250**	mg/L	1	0.00500
Total Barium		**0.118**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		**0.0160**	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.660**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Uranium		<0.0200	mg/L	1	0.0200
Total Vanadium		**0.00600**	mg/L	1	0.00500
Total Zinc		**0.0110**	mg/L	1	0.00500

Sample: 127187 - MNPL-MPL-MPL-001-0607

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

continued . . .

sample 127187 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**50.0**	mg/L	1	1.00
Total Magnesium		**8.24**	mg/L	1	1.00
Total Potassium		**3.03**	mg/L	1	1.00
Total Sodium		**26.5**	mg/L	1	1.00

Sample: 127187 - MNPL-MPL-MPL-001-0607

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.120**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0310**	mg/L	1	0.00500
Total Barium		**0.118**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		**0.0170**	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.204**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Uranium		<0.0200	mg/L	1	0.0200
Total Vanadium		**0.00600**	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 127188 - MNPL-MPL-MPL-002-0607

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**69.6**	mg/L	1	1.00

continued . . .

sample 127188 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		**12.0**		mg/L	1	1.00
Total Potassium		**3.37**		mg/L	1	1.00
Total Sodium		**31.6**		mg/L	1	1.00

Sample: 127188 - MNPL-MPL-MPL-002-0607

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00200		mg/L	1	0.00200
Total Aluminum		**0.0710**		mg/L	1	0.00500
Total Arsenic		<0.0100		mg/L	1	0.0100
Total Boron		**0.0240**		mg/L	1	0.00500
Total Barium		**0.0780**		mg/L	1	0.0100
Total Beryllium		<0.00250		mg/L	1	0.00250
Total Cadmium		<0.00100		mg/L	1	0.00100
Total Cobalt		<0.00500		mg/L	1	0.00500
Total Chromium		**0.0150**		mg/L	1	0.00500
Total Copper		<0.00500		mg/L	1	0.00500
Total Iron		**0.248**		mg/L	1	0.0100
Total Manganese		<0.0250		mg/L	1	0.0250
Total Molybdenum		<0.0500		mg/L	1	0.0500
Total Nickel		<0.00500		mg/L	1	0.00500
Total Lead		<0.00500		mg/L	1	0.00500
Total Antimony		<0.0500		mg/L	1	0.0500
Total Selenium		<0.0100		mg/L	1	0.0100
Total Thallium		<0.0500		mg/L	1	0.0500
Total Uranium		<0.0200		mg/L	1	0.0200
Total Vanadium		<0.00500		mg/L	1	0.00500
Total Zinc		<0.00500		mg/L	1	0.00500

Sample: 127189 - MNPL-MPL-MPL-003-0607

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Calcium		**87.2**		mg/L	1	1.00
Total Magnesium		**14.9**		mg/L	1	1.00
Total Potassium		**3.88**		mg/L	1	1.00
Total Sodium		**35.5**		mg/L	1	1.00

Sample: 127189 - MNPL-MPL-MPL-003-0607

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.0300**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0420**	mg/L	1	0.00500
Total Barium		**0.0560**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		**0.0140**	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.206**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Uranium		<0.0200	mg/L	1	0.0200
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 127190 - MNPL-MPL-MPL-103-0607

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Calcium		**86.9**	mg/L	1	1.00
Total Magnesium		**15.2**	mg/L	1	1.00
Total Potassium		**3.83**	mg/L	1	1.00
Total Sodium		**35.0**	mg/L	1	1.00

Sample: 127190 - MNPL-MPL-MPL-103-0607

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

continued . . .

sample 127190 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Aluminum		**0.163**	mg/L	1	0.00500
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Boron		**0.0430**	mg/L	1	0.00500
Total Barium		**0.0580**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		**0.0130**	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.326**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Uranium		<0.0200	mg/L	1	0.0200
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 127191 - MNPL-MPL-MPL-004-0607

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**98.2**	mg/L	2	1.00
Total Magnesium		**18.2**	mg/L	1	1.00
Total Potassium		**4.00**	mg/L	1	1.00
Total Sodium		**34.9**	mg/L	1	1.00

Sample: 127191 - MNPL-MPL-MPL-004-0607

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200

continued . . .

sample 127191 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Aluminum		**0.137**		mg/L	1	0.00500
Total Arsenic		<0.0100		mg/L	1	0.0100
Total Boron		**0.0440**		mg/L	1	0.00500
Total Barium		**0.0760**		mg/L	1	0.0100
Total Beryllium		<0.00250		mg/L	1	0.00250
Total Cadmium		<0.00100		mg/L	1	0.00100
Total Cobalt		<0.00500		mg/L	1	0.00500
Total Chromium		**0.0140**		mg/L	1	0.00500
Total Copper		<0.00500		mg/L	1	0.00500
Total Iron		**0.321**		mg/L	1	0.0100
Total Manganese		<0.0250		mg/L	1	0.0250
Total Molybdenum		<0.0500		mg/L	1	0.0500
Total Nickel		<0.00500		mg/L	1	0.00500
Total Lead		<0.00500		mg/L	1	0.00500
Total Antimony		<0.0500		mg/L	1	0.0500
Total Selenium		<0.0100		mg/L	1	0.0100
Total Thallium		<0.0500		mg/L	1	0.0500
Total Uranium		<0.0200		mg/L	1	0.0200
Total Vanadium		<0.00500		mg/L	1	0.00500
Total Zinc		<0.00500		mg/L	1	0.00500

Sample: 127196 - MNPL-MPL-MPL-004-0207

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Calcium		**109**		mg/L	10	1.00
Total Magnesium		**19.2**		mg/L	1	1.00
Total Potassium		**4.58**		mg/L	1	1.00
Total Sodium		**36.5**		mg/L	1	1.00

Sample: 127196 - MNPL-MPL-MPL-004-0207

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00200		mg/L	1	0.00200
Total Aluminum		**0.103**		mg/L	1	0.00500
Total Arsenic		<0.0100		mg/L	1	0.0100
Total Boron		**0.0420**		mg/L	1	0.00500
Total Barium		**0.0700**		mg/L	1	0.0100

continued . . .

sample 127196 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Iron		**0.281**	mg/L	1	0.0100
Total Manganese		<0.0250	mg/L	1	0.0250
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Antimony		<0.0500	mg/L	1	0.0500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Thallium		<0.0500	mg/L	1	0.0500
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		**0.0120**	mg/L	1	0.00500

Sample: 127196 - MNPL-MPL-MPL-004-0207

Analysis:	U, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	Sample Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Uranium		<0.0200	mg/L	1	0.0200

Method Blank (1) QC Batch: 38315

QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	QC Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Uranium		<0.0545	mg/L	0.02

Method Blank (1) QC Batch: 38315

QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	QC Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.002

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Total Aluminum		<0.00228	mg/L	0.005
Total Arsenic		<0.00430	mg/L	0.01
Total Boron		<0.00440	mg/L	0.005
Total Barium		<0.00170	mg/L	0.01
Total Beryllium		<0.00220	mg/L	0.0025
Total Cadmium		<0.00140	mg/L	0.001
Total Cobalt		<0.00220	mg/L	0.005
Total Chromium		<0.000900	mg/L	0.005
Total Copper		<0.00140	mg/L	0.005
Total Iron		<0.00690	mg/L	0.01
Total Manganese		<0.000600	mg/L	0.025
Total Molybdenum		<0.00790	mg/L	0.05
Total Nickel		<0.00190	mg/L	0.005
Total Lead		<0.00740	mg/L	0.005
Total Antimony		<0.0166	mg/L	0.05
Total Selenium		<0.0131	mg/L	0.01
Total Thallium		<0.0189	mg/L	0.05
Total Uranium		<0.0545	mg/L	0.02
Total Vanadium		<0.00150	mg/L	0.005
Total Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38431

QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	QC Preparation:	2007-06-19	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.517	mg/L	1
Total Magnesium		<0.203	mg/L	1
Total Potassium		<0.866	mg/L	1
Total Sodium		<0.668	mg/L	1

Method Blank (1) QC Batch: 38621

QC Batch:	38621	Date Analyzed:	2007-06-28	Analyzed By:	RR
Prep Batch:	33401	QC Preparation:	2007-06-28	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Uranium		<0.0545	mg/L	0.02

Method Blank (1) QC Batch: 38621

QC Batch:	38621	Date Analyzed:	2007-06-28	Analyzed By:	RR
Prep Batch:	33401	QC Preparation:	2007-06-28	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.002
Total Aluminum		<0.00228	mg/L	0.005
Total Arsenic		<0.00430	mg/L	0.01
Total Boron		<0.00440	mg/L	0.005
Total Barium		<0.00170	mg/L	0.01
Total Beryllium		<0.00220	mg/L	0.0025
Total Cadmium		<0.00140	mg/L	0.001
Total Cobalt		<0.00220	mg/L	0.005
Total Chromium		<0.000900	mg/L	0.005
Total Copper		<0.00140	mg/L	0.005
Total Iron		<0.00690	mg/L	0.01
Total Manganese		<0.000600	mg/L	0.025
Total Molybdenum		<0.00790	mg/L	0.05
Total Nickel		<0.00190	mg/L	0.005
Total Lead		<0.00740	mg/L	0.005
Total Antimony		<0.0166	mg/L	0.05
Total Selenium		<0.0131	mg/L	0.01
Total Thallium		<0.0189	mg/L	0.05
Total Vanadium		<0.00150	mg/L	0.005
Total Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 38634

QC Batch:	38634	Date Analyzed:	2007-06-28	Analyzed By:	TP
Prep Batch:	33401	QC Preparation:	2007-06-28	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.517	mg/L	1
Total Magnesium		<0.203	mg/L	1
Total Potassium		1.28	mg/L	1
Total Sodium		<0.668	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch:	38315	Date Analyzed:	2007-06-19	Analyzed By:	RR
Prep Batch:	33164	QC Preparation:	2007-06-19	Prepared By:	TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Uranium	0.487	mg/L	1	0.500	<0.0545	97	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Uranium	0.486	mg/L	1	0.500	<0.0545	97	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR
Prep Batch: 33164 QC Preparation: 2007-06-19 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.127	mg/L	1	0.125	<0.00210	102	87.2 - 108
Total Aluminum	0.965	mg/L	1	1.00	<0.00228	96	76.4 - 107
Total Arsenic	0.509	mg/L	1	0.500	<0.00430	102	81.9 - 110
Total Boron	0.0545	mg/L	1	0.0500	<0.00440	109	75.7 - 124
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111
Total Beryllium	0.0232	mg/L	1	0.0250	<0.00220	93	78.1 - 117
Total Cadmium	0.256	mg/L	1	0.250	<0.00140	102	83.4 - 111
Total Cobalt	0.243	mg/L	1	0.250	<0.00220	97	91 - 108
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	86.5 - 115
Total Copper	0.131	mg/L	1	0.125	<0.00140	105	91.2 - 109
Total Iron	0.522	mg/L	1	0.500	<0.00690	104	89.4 - 113
Total Manganese	0.250	mg/L	1	0.250	<0.000600	100	85 - 113
Total Molybdenum	0.546	mg/L	1	0.500	<0.00790	109	80 - 114
Total Nickel	0.254	mg/L	1	0.250	<0.00190	102	86.1 - 111
Total Lead	0.518	mg/L	1	0.500	<0.00740	104	88 - 108
Total Antimony	0.227	mg/L	1	0.250	<0.0166	91	79.4 - 114
Total Selenium	0.425	mg/L	1	0.500	<0.0131	85	70.2 - 111
Total Thallium	0.468	mg/L	1	0.500	<0.0189	94	81.8 - 115
Total Uranium	0.487	mg/L	1	0.500	<0.0545	97	85 - 115
Total Vanadium	0.265	mg/L	1	0.250	<0.00150	106	85.9 - 110
Total Zinc	0.244	mg/L	1	0.250	<0.00710	98	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	87.2 - 108	1	20
Total Aluminum	0.977	mg/L	1	1.00	<0.00228	98	76.4 - 107	1	20
Total Arsenic	0.493	mg/L	1	0.500	<0.00430	99	81.9 - 110	3	20
Total Boron	0.0524	mg/L	1	0.0500	<0.00440	105	75.7 - 124	4	20
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111	0	20
Total Beryllium	0.0237	mg/L	1	0.0250	<0.00220	95	78.1 - 117	2	20
Total Cadmium	0.257	mg/L	1	0.250	<0.00140	103	83.4 - 111	0	20
Total Cobalt	0.242	mg/L	1	0.250	<0.00220	97	91 - 108	0	20
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	86.5 - 115	1	20
Total Copper	0.131	mg/L	1	0.125	<0.00140	105	91.2 - 109	0	20
Total Iron	0.528	mg/L	1	0.500	<0.00690	106	89.4 - 113	1	20
Total Manganese	0.253	mg/L	1	0.250	<0.000600	101	85 - 113	1	20
Total Molybdenum	0.544	mg/L	1	0.500	<0.00790	109	80 - 114	0	20
Total Nickel	0.254	mg/L	1	0.250	<0.00190	102	86.1 - 111	0	20

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control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.523	mg/L	1	0.500	<0.00740	105	88 - 108	1	20
Total Antimony	0.237	mg/L	1	0.250	<0.0166	95	79.4 - 114	4	20
Total Selenium	0.424	mg/L	1	0.500	<0.0131	85	70.2 - 111	0	20
Total Thallium	0.468	mg/L	1	0.500	<0.0189	94	81.8 - 115	0	20
Total Uranium	0.486	mg/L	1	0.500	<0.0545	97	85 - 115	0	20
Total Vanadium	0.267	mg/L	1	0.250	<0.00150	107	85.9 - 110	1	20
Total Zinc	0.248	mg/L	1	0.250	<0.00710	99	82.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38431 Date Analyzed: 2007-06-22 Analyzed By: TP
Prep Batch: 33164 QC Preparation: 2007-06-19 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	51.2	mg/L	1	50.0	<0.517	102	85 - 115
Total Magnesium	50.1	mg/L	1	50.0	<0.203	100	85 - 115
Total Potassium	50.6	mg/L	1	50.0	<0.866	101	85 - 115
Total Sodium	51.6	mg/L	1	50.0	<0.668	103	87.3 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	51.4	mg/L	1	50.0	<0.517	103	85 - 115	0	20
Total Magnesium	50.3	mg/L	1	50.0	<0.203	101	85 - 115	0	20
Total Potassium	50.8	mg/L	1	50.0	<0.866	102	85 - 115	0	20
Total Sodium	51.3	mg/L	1	50.0	<0.668	103	87.3 - 124	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR
Prep Batch: 33401 QC Preparation: 2007-06-28 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Uranium	0.553	mg/L	1	0.500	<0.0545	111	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Uranium	0.558	mg/L	1	0.500	<0.0545	112	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR
Prep Batch: 33401 QC Preparation: 2007-06-28 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	87.2 - 108
Total Aluminum	0.966	mg/L	1	1.00	<0.00228	97	76.4 - 107
Total Arsenic	0.509	mg/L	1	0.500	<0.00430	102	81.9 - 110
Total Boron	0.0470	mg/L	1	0.0500	<0.00440	94	75.7 - 124
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.1 - 117
Total Cadmium	0.248	mg/L	1	0.250	<0.00140	99	83.4 - 111
Total Cobalt	0.252	mg/L	1	0.250	<0.00220	101	91 - 108
Total Chromium	0.107	mg/L	1	0.100	<0.000900	107	86.5 - 115
Total Copper	0.131	mg/L	1	0.125	<0.00140	105	91.2 - 109
Total Iron	0.513	mg/L	1	0.500	<0.00690	103	89.4 - 113
Total Manganese	0.258	mg/L	1	0.250	<0.000600	103	85 - 113
Total Molybdenum	0.507	mg/L	1	0.500	<0.00790	101	80 - 114
Total Nickel	0.261	mg/L	1	0.250	<0.00190	104	86.1 - 111
Total Lead	0.503	mg/L	1	0.500	<0.00740	101	88 - 108
Total Antimony	0.225	mg/L	1	0.250	<0.0166	90	79.4 - 114
Total Selenium	0.484	mg/L	1	0.500	<0.0131	97	70.2 - 111
Total Thallium	0.467	mg/L	1	0.500	<0.0189	93	81.8 - 115
Total Vanadium	0.260	mg/L	1	0.250	<0.00150	104	85.9 - 110
Total Zinc	0.253	mg/L	1	0.250	<0.00710	101	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	87.2 - 108	0	20
Total Aluminum	0.953	mg/L	1	1.00	<0.00228	95	76.4 - 107	1	20
Total Arsenic	0.475	mg/L	1	0.500	<0.00430	95	81.9 - 110	7	20
Total Boron	0.0480	mg/L	1	0.0500	<0.00440	96	75.7 - 124	2	20
Total Barium	1.03	mg/L	1	1.00	<0.00170	103	88.7 - 111	1	20
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.1 - 117	0	20
Total Cadmium	0.246	mg/L	1	0.250	<0.00140	98	83.4 - 111	1	20
Total Cobalt	0.251	mg/L	1	0.250	<0.00220	100	91 - 108	0	20
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115	1	20
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	91.2 - 109	1	20
Total Iron	0.512	mg/L	1	0.500	<0.00690	102	89.4 - 113	0	20
Total Manganese	0.256	mg/L	1	0.250	<0.000600	102	85 - 113	1	20
Total Molybdenum	0.512	mg/L	1	0.500	<0.00790	102	80 - 114	1	20
Total Nickel	0.258	mg/L	1	0.250	<0.00190	103	86.1 - 111	1	20
Total Lead	0.511	mg/L	1	0.500	<0.00740	102	88 - 108	2	20
Total Antimony	0.226	mg/L	1	0.250	<0.0166	90	79.4 - 114	0	20
Total Selenium	0.466	mg/L	1	0.500	<0.0131	93	70.2 - 111	4	20
Total Thallium	0.523	mg/L	1	0.500	<0.0189	105	81.8 - 115	11	20
Total Vanadium	0.261	mg/L	1	0.250	<0.00150	104	85.9 - 110	0	20
Total Zinc	0.260	mg/L	1	0.250	<0.00710	104	82.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38634 Date Analyzed: 2007-06-28 Analyzed By: TP
Prep Batch: 33401 QC Preparation: 2007-06-28 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	50.3	mg/L	1	50.0	<0.517	101	85 - 115
Total Magnesium	49.2	mg/L	1	50.0	<0.203	98	85 - 115
Total Potassium	48.5	mg/L	1	50.0	<0.866	97	85 - 115
Total Sodium	50.1	mg/L	1	50.0	<0.668	100	87.3 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	47.8	mg/L	1	50.0	<0.517	96	85 - 115	5	20
Total Magnesium	46.6	mg/L	1	50.0	<0.203	93	85 - 115	5	20
Total Potassium	45.9	mg/L	1	50.0	<0.866	92	85 - 115	6	20
Total Sodium	47.7	mg/L	1	50.0	<0.668	95	87.3 - 124	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127196

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR
Prep Batch: 33164 QC Preparation: 2007-06-19 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Uranium	0.463	mg/L	1	0.500	<0.0545	93	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Uranium	0.453	mg/L	1	0.500	<0.0545	91	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127196

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR
Prep Batch: 33164 QC Preparation: 2007-06-19 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.124	mg/L	1	0.125	<0.00210	99	80.5 - 104
Total Aluminum	1.01	mg/L	1	1.00	0.103	91	62.2 - 133
Total Arsenic	0.558	mg/L	1	0.500	<0.00440	112	67.6 - 116
Total Boron	0.0950	mg/L	1	0.0500	0.042	106	10 - 168
Total Barium	1.06	mg/L	1	1.00	0.07	99	61.9 - 120
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	76.5 - 118

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matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.249	mg/L	1	0.250	<0.00140	100	72.9 - 109
Total Cobalt	0.232	mg/L	1	0.250	<0.00220	93	71 - 112
Total Chromium	0.108	mg/L	1	0.100	<0.000900	108	66.2 - 121
Total Copper	0.128	mg/L	1	0.125	<0.00140	102	84.1 - 108
Total Iron	0.787	mg/L	1	0.500	0.281	101	61 - 122
Total Manganese	0.240	mg/L	1	0.250	<0.000600	96	61.2 - 120
Total Molybdenum	0.550	mg/L	1	0.500	<0.00790	110	60.1 - 125
Total Nickel	0.245	mg/L	1	0.250	<0.00190	98	56.1 - 119
Total Lead	0.512	mg/L	1	0.500	<0.00740	102	74.1 - 111
Total Antimony	0.242	mg/L	1	0.250	<0.0166	97	71.3 - 118
Total Selenium	0.458	mg/L	1	0.500	<0.0131	92	64.3 - 111
Total Thallium	0.459	mg/L	1	0.500	<0.0189	92	66 - 121
Total Uranium	0.463	mg/L	1	0.500	<0.0545	93	75 - 125
Total Vanadium	0.261	mg/L	1	0.250	<0.00150	104	74.1 - 110
Total Zinc	0.258	mg/L	1	0.250	0.012	98	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	80.5 - 104	1	20
Total Aluminum	1.03	mg/L	1	1.00	0.103	93	62.2 - 133	2	20
Total Arsenic	0.545	mg/L	1	0.500	<0.00440	109	67.6 - 116	2	20
Total Boron	0.100	mg/L	1	0.0500	0.042	116	10 - 168	5	20
Total Barium	1.08	mg/L	1	1.00	0.07	101	61.9 - 120	2	20
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	76.5 - 118	4	20
Total Cadmium	0.254	mg/L	1	0.250	<0.00140	102	72.9 - 109	2	20
Total Cobalt	0.236	mg/L	1	0.250	<0.00220	94	71 - 112	2	20
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	66.2 - 121	4	20
Total Copper	0.130	mg/L	1	0.125	<0.00140	104	84.1 - 108	2	20
Total Iron	0.813	mg/L	1	0.500	0.281	106	61 - 122	3	20
Total Manganese	0.245	mg/L	1	0.250	<0.000600	98	61.2 - 120	2	20
Total Molybdenum	0.564	mg/L	1	0.500	<0.00790	113	60.1 - 125	2	20
Total Nickel	0.245	mg/L	1	0.250	<0.00190	98	56.1 - 119	0	20
Total Lead	0.520	mg/L	1	0.500	<0.00740	104	74.1 - 111	2	20
Total Antimony	0.234	mg/L	1	0.250	<0.0166	94	71.3 - 118	3	20
Total Selenium	0.445	mg/L	1	0.500	<0.0131	89	64.3 - 111	3	20
Total Thallium	0.442	mg/L	1	0.500	<0.0189	88	66 - 121	4	20
Total Uranium	0.453	mg/L	1	0.500	<0.0545	91	75 - 125	2	20
Total Vanadium	0.271	mg/L	1	0.250	<0.00150	108	74.1 - 110	4	20
Total Zinc	0.262	mg/L	1	0.250	0.012	100	75.5 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127196

QC Batch:	38431	Date Analyzed:	2007-06-22	Analyzed By:	TP
Prep Batch:	33164	QC Preparation:	2007-06-19	Prepared By:	TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	162	mg/L	1	50.0	109	106	75 - 125
Total Magnesium	68.3	mg/L	1	50.0	19.2	98	75 - 125
Total Potassium	53.8	mg/L	1	50.0	4.58	98	75 - 125
Total Sodium	87.7	mg/L	1	50.0	36.5	102	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	168	mg/L	1	50.0	109	118	75 - 125	4	20
Total Magnesium	70.1	mg/L	1	50.0	19.2	102	75 - 125	3	20
Total Potassium	55.8	mg/L	1	50.0	4.58	102	75 - 125	4	20
Total Sodium	89.9	mg/L	1	50.0	36.5	107	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127184

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR
Prep Batch: 33401 QC Preparation: 2007-06-28 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Uranium	0.521	mg/L	1	0.500	<0.0545	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Uranium	0.499	mg/L	1	0.500	<0.0545	100	75 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127184

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR
Prep Batch: 33401 QC Preparation: 2007-06-28 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	80.5 - 104
Total Aluminum	1.14	mg/L	1	1.00	0.088	105	62.2 - 133
Total Arsenic	0.482	mg/L	1	0.500	<0.00440	96	67.6 - 116
Total Boron	0.0720	mg/L	1	0.0500	0.016	112	10 - 168
Total Barium	1.14	mg/L	1	1.00	0.055	108	61.9 - 120
Total Beryllium	0.0270	mg/L	1	0.0250	<0.00220	108	76.5 - 118
Total Cadmium	0.267	mg/L	1	0.250	<0.00140	107	72.9 - 109
Total Cobalt	0.269	mg/L	1	0.250	<0.00220	108	71 - 112
Total Chromium	0.111	mg/L	1	0.100	<0.000900	111	66.2 - 121
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	84.1 - 108
Total Iron	0.790	mg/L	1	0.500	0.261	106	61 - 122
Total Manganese	0.259	mg/L	1	0.250	<0.000600	104	61.2 - 120

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Molybdenum	0.550	mg/L	1	0.500	<0.00790	110	60.1 - 125
Total Nickel	0.261	mg/L	1	0.250	<0.00190	104	56.1 - 119
Total Lead	0.544	mg/L	1	0.500	<0.00740	109	74.1 - 111
Total Antimony	0.255	mg/L	1	0.250	<0.0166	102	71.3 - 118
Total Selenium	0.450	mg/L	1	0.500	<0.0131	90	64.3 - 111
Total Thallium	0.524	mg/L	1	0.500	<0.0189	105	66 - 121
Total Vanadium	0.247	mg/L	1	0.250	<0.00150	99	74.1 - 110
Total Zinc	0.248	mg/L	1	0.250	<0.00710	99	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	80.5 - 104	1	20
Total Aluminum	1.12	mg/L	1	1.00	0.088	103	62.2 - 133	2	20
Total Arsenic	0.501	mg/L	1	0.500	<0.00440	100	67.6 - 116	4	20
Total Boron	0.0610	mg/L	1	0.0500	0.016	90	10 - 168	16	20
Total Barium	1.14	mg/L	1	1.00	0.055	108	61.9 - 120	0	20
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	76.5 - 118	4	20
Total Cadmium	0.265	mg/L	1	0.250	<0.00140	106	72.9 - 109	1	20
Total Cobalt	0.263	mg/L	1	0.250	<0.00220	105	71 - 112	2	20
Total Chromium	0.108	mg/L	1	0.100	<0.000900	108	66.2 - 121	3	20
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	84.1 - 108	0	20
Total Iron	0.812	mg/L	1	0.500	0.261	110	61 - 122	3	20
Total Manganese	0.257	mg/L	1	0.250	<0.000600	103	61.2 - 120	1	20
Total Molybdenum	0.559	mg/L	1	0.500	<0.00790	112	60.1 - 125	2	20
Total Nickel	0.269	mg/L	1	0.250	<0.00190	108	56.1 - 119	3	20
Total Lead	0.541	mg/L	1	0.500	<0.00740	108	74.1 - 111	1	20
Total Antimony	0.245	mg/L	1	0.250	<0.0166	98	71.3 - 118	4	20
Total Selenium	0.489	mg/L	1	0.500	<0.0131	98	64.3 - 111	8	20
Total Thallium	0.523	mg/L	1	0.500	<0.0189	105	66 - 121	0	20
Total Vanadium	0.246	mg/L	1	0.250	<0.00150	98	74.1 - 110	0	20
Total Zinc	0.249	mg/L	1	0.250	<0.00710	100	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 127184

QC Batch: 38634 Date Analyzed: 2007-06-28 Analyzed By: TP
Prep Batch: 33401 QC Preparation: 2007-06-28 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	136	mg/L	1	50.0	88.2	96	75 - 125
Total Magnesium	62.1	mg/L	1	50.0	15	94	75 - 125
Total Potassium	52.5	mg/L	1	50.0	4.2	97	75 - 125
Total Sodium	83.1	mg/L	1	50.0	35	96	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	140	mg/L	1	50.0	88.2	104	75 - 125	3	20
Total Magnesium	63.0	mg/L	1	50.0	15	96	75 - 125	1	20
Total Potassium	52.9	mg/L	1	50.0	4.2	97	75 - 125	1	20
Total Sodium	83.7	mg/L	1	50.0	35	97	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Uranium		mg/L	1.00	0.988	99	90 - 110	2007-06-19

Standard (ICV-1)

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2007-06-19
Total Aluminum		mg/L	1.00	0.998	100	90 - 110	2007-06-19
Total Arsenic		mg/L	1.00	0.975	98	90 - 110	2007-06-19
Total Boron		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Total Barium		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Total Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Total Cadmium		mg/L	1.00	1.06	106	90 - 110	2007-06-19
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Total Chromium		mg/L	1.00	1.04	104	90 - 110	2007-06-19
Total Copper		mg/L	1.00	1.00	100	90 - 110	2007-06-19
Total Iron		mg/L	1.00	1.05	105	90 - 110	2007-06-19
Total Manganese		mg/L	1.00	1.00	100	90 - 110	2007-06-19
Total Molybdenum		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-06-19
Total Lead		mg/L	1.00	1.02	102	90 - 110	2007-06-19
Total Antimony		mg/L	1.00	1.02	102	90 - 110	2007-06-19
Total Selenium		mg/L	1.00	1.04	104	90 - 110	2007-06-19
Total Thallium		mg/L	1.00	0.944	94	90 - 110	2007-06-19
Total Uranium		mg/L	1.00	0.988	99	90 - 110	2007-06-19
Total Vanadium		mg/L	1.00	0.983	98	90 - 110	2007-06-19
Total Zinc		mg/L	1.00	0.998	100	90 - 110	2007-06-19

Standard (CCV-1)

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Uranium		mg/L	1.00	1.07	107	90 - 110	2007-06-19

Standard (CCV-1)

QC Batch: 38315 Date Analyzed: 2007-06-19 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.136	109	90 - 110	2007-06-19
Total Aluminum		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Arsenic		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Total Boron		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Barium		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Beryllium		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-06-19
Total Cobalt		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Chromium		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Copper		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Iron		mg/L	1.00	1.04	104	90 - 110	2007-06-19
Total Manganese		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Molybdenum		mg/L	1.00	1.04	104	90 - 110	2007-06-19
Total Nickel		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Total Lead		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2007-06-19
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2007-06-19
Total Thallium		mg/L	1.00	0.990	99	90 - 110	2007-06-19
Total Uranium		mg/L	1.00	1.07	107	90 - 110	2007-06-19
Total Vanadium		mg/L	1.00	1.06	106	90 - 110	2007-06-19
Total Zinc		mg/L	1.00	1.08	108	90 - 110	2007-06-19

Standard (ICV-1)

QC Batch: 38431 Date Analyzed: 2007-06-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	50.5	101	90 - 110	2007-06-22
Total Magnesium		mg/L	50.0	50.5	101	90 - 110	2007-06-22
Total Potassium		mg/L	50.0	50.1	100	90 - 110	2007-06-22
Total Sodium		mg/L	50.0	50.3	101	90 - 110	2007-06-22

Standard (CCV-1)

QC Batch: 38431 Date Analyzed: 2007-06-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	48.8	98	90 - 110	2007-06-22
Total Magnesium		mg/L	50.0	48.3	97	90 - 110	2007-06-22
Total Potassium		mg/L	50.0	48.1	96	90 - 110	2007-06-22
Total Sodium		mg/L	50.0	48.3	97	90 - 110	2007-06-22

Standard (ICV-1)

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Uranium		mg/L	1.00	1.00	100	90 - 110	2007-06-28

Standard (ICV-1)

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2007-06-28
Total Aluminum		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Arsenic		mg/L	1.00	1.08	108	90 - 110	2007-06-28
Total Boron		mg/L	1.00	1.02	102	90 - 110	2007-06-28
Total Barium		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Beryllium		mg/L	1.00	1.00	100	90 - 110	2007-06-28
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-06-28
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Chromium		mg/L	1.00	1.04	104	90 - 110	2007-06-28
Total Copper		mg/L	1.00	1.02	102	90 - 110	2007-06-28
Total Iron		mg/L	1.00	1.03	103	90 - 110	2007-06-28
Total Manganese		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Molybdenum		mg/L	1.00	1.02	102	90 - 110	2007-06-28
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Lead		mg/L	1.00	1.04	104	90 - 110	2007-06-28
Total Antimony		mg/L	1.00	0.974	97	90 - 110	2007-06-28
Total Selenium		mg/L	1.00	0.979	98	90 - 110	2007-06-28
Total Thallium		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-06-28
Total Zinc		mg/L	1.00	0.993	99	90 - 110	2007-06-28

Standard (CCV-1)

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Uranium		mg/L	1.00	1.04	104	90 - 110	2007-06-28

Standard (CCV-1)

QC Batch: 38621 Date Analyzed: 2007-06-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2007-06-28
Total Aluminum		mg/L	1.00	1.00	100	90 - 110	2007-06-28
Total Arsenic		mg/L	1.00	0.963	96	90 - 110	2007-06-28
Total Boron		mg/L	1.00	0.929	93	90 - 110	2007-06-28
Total Barium		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Beryllium		mg/L	1.00	0.995	100	90 - 110	2007-06-28
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-06-28
Total Cobalt		mg/L	1.00	0.994	99	90 - 110	2007-06-28
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2007-06-28
Total Copper		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Iron		mg/L	1.00	1.02	102	90 - 110	2007-06-28
Total Manganese		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Molybdenum		mg/L	1.00	1.03	103	90 - 110	2007-06-28
Total Nickel		mg/L	1.00	0.998	100	90 - 110	2007-06-28
Total Lead		mg/L	1.00	1.03	103	90 - 110	2007-06-28
Total Antimony		mg/L	1.00	1.05	105	90 - 110	2007-06-28
Total Selenium		mg/L	1.00	0.959	96	90 - 110	2007-06-28
Total Thallium		mg/L	1.00	0.968	97	90 - 110	2007-06-28
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-06-28
Total Zinc		mg/L	1.00	0.987	99	90 - 110	2007-06-28

Standard (ICV-1)

QC Batch: 38634 Date Analyzed: 2007-06-28 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	51.5	103	90 - 110	2007-06-28
Total Magnesium		mg/L	50.0	51.6	103	90 - 110	2007-06-28
Total Potassium		mg/L	50.0	51.4	103	90 - 110	2007-06-28
Total Sodium		mg/L	50.0	50.7	101	90 - 110	2007-06-28

Standard (CCV-1)

QC Batch: 38634 Date Analyzed: 2007-06-28 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	51.7	103	90 - 110	2007-06-28
Total Magnesium		mg/L	50.0	51.6	103	90 - 110	2007-06-28
Total Potassium		mg/L	50.0	50.6	101	90 - 110	2007-06-28
Total Sodium		mg/L	50.0	49.8	100	90 - 110	2007-06-28

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Alkalinity	SM 2320B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**172**		mg/L as CaCo3	1	5.00
Total Alkalinity		**172**		mg/L as CaCo3	1	5.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**138**		mg/L as CaCo3	1	5.00
Total Alkalinity		**138**		mg/L as CaCo3	1	5.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**212**		mg/L as CaCo3	1	5.00
Total Alkalinity		**212**		mg/L as CaCo3	1	5.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00

continued . . .

sample 136425 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**180**		mg/L as CaCo3	1	5.00
Total Alkalinity		**180**		mg/L as CaCo3	1	5.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**170**		mg/L as CaCo3	1	5.00
Total Alkalinity		**170**		mg/L as CaCo3	1	5.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**168**		mg/L as CaCo3	1	5.00
Total Alkalinity		**168**		mg/L as CaCo3	1	5.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41388	Date Analyzed:	2007-09-21	Analyzed By:	JG
Prep Batch:	35758	Sample Preparation:	2007-09-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**190**		mg/L as CaCo3	1	5.00
Total Alkalinity		**190**		mg/L as CaCo3	1	5.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41388	Date Analyzed:	2007-09-21	Analyzed By:	JG
Prep Batch:	35758	Sample Preparation:	2007-09-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**184**	mg/L as CaCo3	1	5.00
Total Alkalinity		**184**	mg/L as CaCo3	1	5.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41388	Date Analyzed:	2007-09-21	Analyzed By:	JG
Prep Batch:	35758	Sample Preparation:	2007-09-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**156**	mg/L as CaCo3	1	5.00
Total Alkalinity		**156**	mg/L as CaCo3	1	5.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41388	Date Analyzed:	2007-09-21	Analyzed By:	JG
Prep Batch:	35758	Sample Preparation:	2007-09-21	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**178**	mg/L as CaCo3	1	5.00
Total Alkalinity		**178**	mg/L as CaCo3	1	5.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41672	Date Analyzed:	2007-10-02	Analyzed By:	JG
Prep Batch:	36002	Sample Preparation:	2007-10-02	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**144**	mg/L as CaCo3	1	5.00

continued . . .

sample 137363 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Alkalinity		**144**	mg/L as CaCo3	1	5.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41672	Date Analyzed:	2007-10-02	Analyzed By:	JG
Prep Batch:	36002	Sample Preparation:	2007-10-02	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**232**	mg/L as CaCo3	1	5.00
Total Alkalinity		**232**	mg/L as CaCo3	1	5.00

Method Blank (1) QC Batch: 41155

QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	QC Preparation:	2007-09-14	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Method Blank (1) QC Batch: 41388

QC Batch:	41388	Date Analyzed:	2007-09-21	Analyzed By:	JG
Prep Batch:	35758	QC Preparation:	2007-09-21	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Method Blank (1) QC Batch: 41672

QC Batch:	41672	Date Analyzed:	2007-10-02	Analyzed By:	JG
Prep Batch:	36002	QC Preparation:	2007-10-02	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Duplicates (1)

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG
Prep Batch: 35566 QC Preparation: 2007-09-14 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	168	168	mg/L as CaCo3	1	0	6.3
Total Alkalinity	168	168	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 41388 Date Analyzed: 2007-09-21 Analyzed By: JG
Prep Batch: 35758 QC Preparation: 2007-09-21 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	176	178	mg/L as CaCo3	1	1	6.3
Total Alkalinity	176	178	mg/L as CaCo3	1	1	6.3

Duplicates (1)

QC Batch: 41672 Date Analyzed: 2007-10-02 Analyzed By: JG
Prep Batch: 36002 QC Preparation: 2007-10-02 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	146	144	mg/L as CaCo3	1	1	6.3
Total Alkalinity	146	144	mg/L as CaCo3	1	1	6.3

Standard (ICV-1)

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-09-14
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-09-14
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-09-14
Total Alkalinity		mg/L as CaCo3	250	242	97	93.7 - 105	2007-09-14

Standard (CCV-1)

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-09-14
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-09-14
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	12.0		0 - 105	2007-09-14
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-09-14

Standard (ICV-1)

QC Batch: 41388 Date Analyzed: 2007-09-21 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-09-21
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-09-21
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-09-21
Total Alkalinity		mg/L as CaCo3	250	240	96	93.7 - 105	2007-09-21

Standard (CCV-1)

QC Batch: 41388 Date Analyzed: 2007-09-21 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-09-21
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-09-21
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	<5.00		0 - 105	2007-09-21
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-09-21

Standard (ICV-1)

QC Batch: 41672 Date Analyzed: 2007-10-02 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-10-02
Carbonate Alkalinity		mg/L as CaCo3	0.00	224		0 - 105	2007-10-02
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	22.0		0 - 105	2007-10-02
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-10-02

Standard (CCV-1)

QC Batch: 41672 Date Analyzed: 2007-10-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-10-02
Carbonate Alkalinity		mg/L as CaCo3	0.00	228		0 - 105	2007-10-02
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	22.0		0 - 105	2007-10-02
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-10-02

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
5	HELSTF Chromium Spill		VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	
SAMPLER'S SIGNATURE: George Esqueda													
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.									
9/11/07	1430	HLSF-0143-HMW-038-0907	WATER	136218	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-925~~	~~WATER~~			X	DE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Traci LUBBOCK
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:05 9-11-07	(TIME/DATE): 1730 9-11-07	(TIME/DATE): 9-13-07 9:08
VIA: Lab Courier	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS, 40866950		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/11/07	1430	HLSF-0143-HMW-038-0907	WATER	136218	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRAC, LUBBOCK
VIA: Lab Courior	CHAIN OF CUSTODY SEALS		(TIME/DATE) 405 9/11/07	(TIME/DATE) 1730 9-11-07	(TIME/DATE) 9/13/07 9:08
	GOOD CONDITION/CHILLED	4°C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS, 40866950		
	CONFORMS TO RECORD	NA			

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/11/07	1238	HLSF-0143-HMW-040-0907	WATER	136223	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-928~~	~~WATER~~			~~X~~	~~X~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda / GEORGE ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Brenda Ward / BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TraceLab
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1405 9-11-07	(TIME/DATE): 1530 9-11-07	(TIME/DATE): 9/13/07 9:30
VIA: Lab Courier	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/11/07	1238	HLSF-0143-HMW-040-0907	WATER	136223	20	X	X	
								NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Brenda Ward
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACE LUBBOCK
	GOOD CONDITION/ CHILLED	4C	(TIME/ DATE) 4:05 9-11-07	(TIME/ DATE) 1730 9-11-07	(TIME/ DATE) 9/13/07 9:30
VIA: Lab Courior	CONFORMS TO RECORD	MH	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCS	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9-11-07	1015	HLSF-0143-HMW-041-0907	WATER	136224	30	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-929~~	~~WATER~~			X	~~NE~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Brenda WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TTAG Lubbock
	GOOD CONDITION/C HILLED	4C	(TIME/ DATE) 4:05 9-11-07	(TIME/ DATE) 1730 9-11-07	(TIME/ DATE) 9/13/07 9:37
VIA: Lab Courier	CONFORMS TO RECORD	WL	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		~~9:37~~

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9-11-07	1015	HLSF-0143-HMW-041-0907	WATER	136224	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Brenda Ward
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace LUBBOCK
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 4:05 9-11-07	(TIME/DATE) 1730 9-11-07	(TIME/DATE) 9/13/07 9:37
VIA: Lab Courior	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/12/07	1215	HLSF-0143-HMW-036-0907	WATER	136425	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-924~~	~~WATER~~			X	X	X								NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/CHILLED: 4°C	(TIME/DATE): 1:07 9/12/07	(TIME/DATE): 17:20 9-12-07	(TIME/DATE): 091407 930
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS40866417		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
9/12/07	1215	HLSF-0143-HMW-036-0907	WATER	136425	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mull
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/ CHILLED: 4°C	(TIME/ DATE): 4:37 9/12/07	(TIME/ DATE): 17:20 9-12-07	(TIME/ DATE): 091407 930
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		408669417

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						ANALYSIS REQUESTED										
9/12/07	1325	HLSF-0143-HMW-039-0907	WATER	136428	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-926~~	~~WATER~~			~~X~~	~~DE~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mulk
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/ CHILLED	(TIME/ DATE): 1607 9/12/07	(TIME/ DATE): 1720 9-12-07	(TIME/ DATE): 09749 930
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40866947

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions								REMARKS
9/12/07	1325	HLSF-0143-HMW-039-0907	WATER	136428	20	X	X								
															NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Guerrero	(PRINTED NAME): Sabrina Mull
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Pace
	GOOD CONDITION/ CHILLED	(TIME/ DATE): 4:07 9/12/07	(TIME/ DATE): 1720 9-12-07	(TIME/ DATE): 09/14/07 930
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS40866947		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
																NO3-NO2
9/12/07	1325	HLSF-0143-HMW-139-0907	WATER	136429	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-927~~	~~WATER~~			X	~~X~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Gabriel Martin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TMC
	GOOD CONDITION/ CHILLED	4C	(TIME/ DATE): 4:07 9-12-07	(TIME/ DATE): 17:20 9-12-07	(TIME/ DATE): 0914/07 930
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40866

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PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/12/07	1325	HLSF-0143-HMW-139-0907	WATER	136429	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mata
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	(TIME/DATE): 457 9/12/07	(TIME/DATE): 17:20 9-12-07	(TIME/DATE): 09/409 930
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866447		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/17/07	1200	HLSF-0143-HMW-053-0907	WATER	136892	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-934~~	~~WATER~~			~~X~~	~~GE~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jose Gutierrez	(PRINTED NAME): Sabrina Mull
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/CHILLED: 4°C	(TIME/ DATE): 4:00 9-17-07	(TIME/ DATE): 12:10 9-17-07	(TIME/ DATE): 09/1907/1950
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866940		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/17/07	1200	HLSF-0143-HMW-053-0907	WATER	136892	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME):	(PRINTED NAME):
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY):
VIA: Lab Courior	GOOD CONDITION/ CHILLED: 4°C	(TIME/ DATE): 4:00 9-17-07	(TIME/ DATE): 1710 9-17-07	(TIME/ DATE): 09/19/07 1950
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS40866940		

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CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/17/07	1200	HLSF-0143-HMW-153-0907	WATER	136893	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-935~~	WATER			X	~~X~~									**NOTE: Trip blanks were not supplied by the lab**

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Sabrina Mulk
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED 4C	(TIME/DATE) 4:30 9-17-07	(TIME/DATE) 1710 9-17-07	(TIME/DATE) 091907 1950
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS4086694		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/17/07	1200	HLSF-0143-HMW-153-0907	WATER	136893	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Muth
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courior	GOOD CONDITION/ CHILLED: 4C	(TIME/ DATE): 1700 9-17-07	(TIME/ DATE): 17:10 9-17-07	(TIME/ DATE): 09/18/07 / 950
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS4086940		

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CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/18/07	1250	HLSF-0143-HMW-043-0907	WATER	136954	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-930~~	~~WATER~~			~~X~~	~~DE~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED:	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Muth
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS:	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	CHAIN OF CUSTODY SEALS:	(TIME/ DATE) 4:05 9-18-07	(TIME/ DATE) 1720 9-18-07	(TIME/ DATE) 09/19/07 955
	GOOD CONDITION/C HILLED: 4°C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		
	CONFORMS TO RECORD:			

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/18/07	1250	HLSF-0143-HMW-043-0907	WATER	136954	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trac
	GOOD CONDITION/CHILLED	YE	(TIME/DATE): 4:05 9/18/07	(TIME/DATE): 1720 9-18-07	(TIME/DATE): 09/20/07 955
VIA: Lab Courior	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866937		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCS	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/18/07	1250	HLSF-0143-HMW-043-0907-ms/msd	WATER	136954	23	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0143-TB-931~~	~~WATER~~			~~X~~	~~DE~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/C HILLED	YE	(TIME/ DATE): 1405 9-18-07	(TIME/ DATE): 1720 9-18-07	(TIME/ DATE): 0920 09 955
VIA: Lab Courier	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866937		

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PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/18/07	1250	HLSF-0143-HMW-043-0907-ms/msd	WATER	136954	23	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Mull
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trium
	GOOD CONDITION/C HILLED: 4°C	(TIME/ DATE): 405 9-18-07	(TIME/ DATE): 1720 9-18-07	(TIME/ DATE): 0920 OR 955
VIA: Lab Courior	CONFORMS TO RECORD: MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866287		

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PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
																TDS, Cond Hg, Cl, Br, SO4 Gl, NO3/NO2
9/20/07	1243	HLSF-0143-DRM-010-0907	WATER	137212	20	X	X	X	X	X	X	X	X	X	X	•
		~~HLSF-0143-TB-932~~	~~WATER~~			~~X~~	~~GRO~~									**NOTE: Trip blanks were not supplied by the lab**

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Kim Bowlin
SHIPPING ID NO.: Lone Star 40866936	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
VIA: Lab Courier	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:00 9-20-07	(TIME/DATE): 0705 9-20-07	(TIME/DATE): 11:00 / 9/22/07
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/20/07	1243	HLSF-0143-DRW-010-0907	WATER	137212	20	X	X	
								NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME)	(PRINTED NAME) Kim Boulden
SHIPPING ID NO.: Lone Star 40866936	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: Lab Courior	GOOD CONDITION/ CHILLED	4°C	(TIME/ DATE) 1400 9-20-07	(TIME/ DATE) 1505 9-20-07	(TIME/ DATE) 11:00 9/22/07
	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

137363

7092602

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923

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esquerda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS: Cond, Hg, Ag, Al, As, Ba, Be, Ca, Co, Cr, Cu, Ni, Pb, Sb, Se, Tl, V, Zn, SO_4, Cl, Br, F, TDS, NO_3-N
9/24/07	1300	HLSF-0143-HMW-013-0907	WATER	137363	20	X	X	X	X	X	X	X	X	X	X	•
		~~HLSF-0143-TB-923~~	~~WATER~~			X		YE								NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUERDA	(PRINTED NAME): James Patterson	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace LUBBOCK
	GOOD CONDITION/ CHILLED: 4C	(TIME/ DATE): 1600 9-24-07	(TIME/ DATE): 9-24-07 17:00	(TIME/ DATE): 9/26/07 8:56
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L.S. 40866933

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
9/24/07	1300	HLSF-0143-HMW-013-0907	WATER	137363	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) JAMES RATLIFF	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACE LAB
VIA: Lab Courior	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1600 9-24-07	(TIME/DATE) 9-24-07 1700	(TIME/DATE) 9/26/07 8:56
	CONFORMS TO RECORD	RF	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS: 40866933		

PLEASE USE BALL POINT PEN

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137368

9092604

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCS	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
		DRW				•	•	•	•	•			•		•	pH, Hg, Ag, As, Ba, Be, Ca, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, Bi, Cl, Br, SO4, TDS, Nek, NO3 - NO2
9/24/07	1024	HLSF-0143-HMW-014-0907 DE	WATER	137368	20	X	X	X	X	X	X	X	X	X	X	•
		~~HLSF-0143-TB-933~~	~~WATER~~			X	DE									**NOTE: Trip blanks were not supplied by the lab**

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Ratcliff	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace McBROCK
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 1600 9-24-07	(TIME/DATE) 1700 9-24-07	(TIME/DATE) 9/26/07 9:25
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS. 40866932		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
5	HELSTF Chromium Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
		DRW						
9/24/07	1024	HLSF-0143-~~HHW~~-014-0907	WATER	137368	20	X	X	
		DE						NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Brenda Ward
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) JAMES RATLIFF	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Traci Lubbock
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 1600 9-24-07	(TIME/DATE) 1700 9-24-07	(TIME/DATE) 9/26/07 9:25
VIA: Lab Courior	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS, 40866932		

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Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Conductivity	SM 2510B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41149	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35560	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**11900**		uMHOS/cm	1	0.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41149	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35560	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**21300**		uMHOS/cm	1	0.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41149	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35560	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**21000**		uMHOS/cm	1	0.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41152	Date Analyzed:	2007-09-13	Analyzed By:	MD
Prep Batch:	35563	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**5340**		uMHOS/cm	1	0.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41152	Date Analyzed:	2007-09-13	Analyzed By:	MD
Prep Batch:	35563	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**15600**	uMHOS/cm	1	0.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41152	Date Analyzed:	2007-09-13	Analyzed By:	MD
Prep Batch:	35563	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**15600**	uMHOS/cm	1	0.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41390	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35760	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**46900**	uMHOS/cm	1	0.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41390	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35760	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**46700**	uMHOS/cm	1	0.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41390	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35760	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**7420**	uMHOS/cm	1	0.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41520	Date Analyzed:	2007-09-26	Analyzed By:	MD
Prep Batch:	35877	Sample Preparation:	2007-09-26	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**53100**	uMHOS/cm	1	0.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41520	Date Analyzed:	2007-09-26	Analyzed By:	MD
Prep Batch:	35877	Sample Preparation:	2007-09-26	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**7350**	uMHOS/cm	1	0.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41520	Date Analyzed:	2007-09-26	Analyzed By:	MD
Prep Batch:	35877	Sample Preparation:	2007-09-26	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**21200**	uMHOS/cm	1	0.00

Method Blank (1) QC Batch: 41149

QC Batch:	41149	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35560	QC Preparation:	2007-09-12	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 41152

QC Batch:	41152	Date Analyzed:	2007-09-13	Analyzed By:	MD
Prep Batch:	35563	QC Preparation:	2007-09-13	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 41390

QC Batch: 41390 Date Analyzed: 2007-09-20 Analyzed By: MD
Prep Batch: 35760 QC Preparation: 2007-09-20 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 41520

QC Batch: 41520 Date Analyzed: 2007-09-26 Analyzed By: MD
Prep Batch: 35877 QC Preparation: 2007-09-26 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Duplicates (1)

QC Batch: 41149 Date Analyzed: 2007-09-12 Analyzed By: MD
Prep Batch: 35560 QC Preparation: 2007-09-12 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	13900	13700	uMHOS/cm	1	1	6.7

Duplicates (1)

QC Batch: 41152 Date Analyzed: 2007-09-13 Analyzed By: MD
Prep Batch: 35563 QC Preparation: 2007-09-13 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	5220	5340	uMHOS/cm	1	2	6.7

Duplicates (1)

QC Batch: 41390 Date Analyzed: 2007-09-20 Analyzed By: MD
Prep Batch: 35760 QC Preparation: 2007-09-20 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	47100	46900	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 41520 Date Analyzed: 2007-09-26 Analyzed By: MD
Prep Batch: 35877 QC Preparation: 2007-09-26 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	53200	53100	uMHOS/cm	1	0	6.7

Standard (ICV-1)

QC Batch: 41149 Date Analyzed: 2007-09-12 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-12

Standard (CCV-1)

QC Batch: 41149 Date Analyzed: 2007-09-12 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-12

Standard (ICV-1)

QC Batch: 41152 Date Analyzed: 2007-09-13 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-13

Standard (CCV-1)

QC Batch: 41152 Date Analyzed: 2007-09-13 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-09-13

Standard (ICV-1)

QC Batch: 41390 Date Analyzed: 2007-09-20 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1400	99	96.7 - 108	2007-09-20

Standard (CCV-1)

QC Batch: 41390 Date Analyzed: 2007-09-20 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-20

Standard (ICV-1)

QC Batch: 41520 Date Analyzed: 2007-09-26 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-26

Standard (CCV-1)

QC Batch: 41520 Date Analyzed: 2007-09-26 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-26

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 26 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Bromide (IC)	E 300.0
Chloride (IC)	E 300.0
Fluoride (IC)	E 300.0
SO4 (IC)	E 300.0

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**1.07**	mg/L	1	0.200

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1210**	mg/L	100	2.00

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**2.77**	mg/L	5	0.200

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**5280**	mg/L	500	1.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**1.70**	mg/L	1	0.200

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3170**	mg/L	500	2.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**4.69**	mg/L	5	0.200

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**8660**	mg/L	500	1.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**1.64**	mg/L	1	0.200

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3090**	mg/L	500	2.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**2.68**	mg/L	5	0.200

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**9250**	mg/L	500	1.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		<0.200	mg/L	1	0.200

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**94.0**	mg/L	10	2.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		**5.64**		mg/L	5	0.200

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		**3460**		mg/L	100	1.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromide		**1.27**		mg/L	1	0.200

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1620**		mg/L	100	2.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		**3.35**		mg/L	5	0.200

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**6820**	mg/L	500	1.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**1.26**	mg/L	1	0.200

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1680**	mg/L	100	2.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**3.29**	mg/L	5	0.200

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**7170**	mg/L	500	1.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**7.33**	mg/L	10	0.200

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11500**	mg/L	1000	2.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		<1.00	mg/L	5	0.200

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**16700**	mg/L	1000	1.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**7.27**	mg/L	10	0.200

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**12100**		mg/L	1000	2.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		<1.00		mg/L	5	0.200

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		**17500**		mg/L	1000	1.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromide		**0.520**		mg/L	1	0.200

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**422**		mg/L	50	2.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**4.02**	mg/L	5	0.200

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**4490**	mg/L	100	1.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**8.22**	mg/L	10	0.200

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**14400**	mg/L	1000	2.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		<1.00	mg/L	5	0.200

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**16700**	mg/L	1000	1.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Bromide		<1.00	mg/L	5	0.200

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**464**	mg/L	50	2.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**3.90**	mg/L	5	0.200

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**4130**	mg/L	500	1.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**3.57**	mg/L	5	0.200

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4180**	mg/L	500	2.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.96**	mg/L	5	0.200

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**7770**	mg/L	500	1.00

Method Blank (1) QC Batch: 41208

QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	QC Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0299	mg/L	0.2

Method Blank (1) QC Batch: 41208

QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	QC Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2

Method Blank (1) QC Batch: 41208

QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	QC Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0168	mg/L	0.2

Method Blank (1) QC Batch: 41208

QC Batch:	41208	Date Analyzed:	2007-09-13	Analyzed By:	JR
Prep Batch:	35611	QC Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 41658

QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	QC Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0299	mg/L	0.2

Method Blank (1) QC Batch: 41658

QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	QC Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2

Method Blank (1) QC Batch: 41658

QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	QC Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0168	mg/L	0.2

Method Blank (1) QC Batch: 41658

QC Batch:	41658	Date Analyzed:	2007-09-20	Analyzed By:	JR
Prep Batch:	35992	QC Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 41667

QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	QC Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0299	mg/L	0.2

Method Blank (1) QC Batch: 41667

QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	QC Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2

Method Blank (1) QC Batch: 41667

QC Batch:	41667	Date Analyzed:	1970-09-25	Analyzed By:	JR
Prep Batch:	35999	QC Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0168	mg/L	0.2

Method Blank (1) QC Batch: 41667

QC Batch: 41667 | Date Analyzed: 1970-09-25 | Analyzed By: JR
Prep Batch: 35999 | QC Preparation: 2007-09-25 | Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0238	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch: 41208 | Date Analyzed: 2007-09-13 | Analyzed By: JR
Prep Batch: 35611 | QC Preparation: 2007-09-13 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.52	mg/L	1	2.50	<0.0217	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.50	mg/L	1	2.50	<0.0217	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41208 | Date Analyzed: 2007-09-13 | Analyzed By: JR
Prep Batch: 35611 | QC Preparation: 2007-09-13 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.1	mg/L	1	12.5	<0.0350	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.1	mg/L	1	12.5	<0.0350	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41208 | Date Analyzed: 2007-09-13 | Analyzed By: JR
Prep Batch: 35611 | QC Preparation: 2007-09-13 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR
Prep Batch: 35611 QC Preparation: 2007-09-13 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.5	mg/L	1	12.5	<0.0238	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.5	mg/L	1	12.5	<0.0238	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR
Prep Batch: 35992 QC Preparation: 2007-09-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.48	mg/L	1	2.50	<0.0217	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.45	mg/L	1	2.50	<0.0217	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR
Prep Batch: 35992 QC Preparation: 2007-09-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR
Prep Batch: 35992 QC Preparation: 2007-09-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR
Prep Batch: 35992 QC Preparation: 2007-09-20 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.2	mg/L	1	12.5	<0.0238	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.48	mg/L	1	2.50	<0.0217	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.51	mg/L	1	2.50	<0.0217	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.9	mg/L	1	12.5	<0.0350	95	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136428

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR
Prep Batch: 35611 QC Preparation: 2007-09-13 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1250	mg/L	500	1250	<10.8	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	1260	mg/L	500	1250	<10.8	101	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136428

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR
Prep Batch: 35611 QC Preparation: 2007-09-13 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7610	mg/L	500	6250	1620	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7580	mg/L	500	6250	1620	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136428

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR
Prep Batch: 35611 QC Preparation: 2007-09-13 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1230	mg/L	500	1250	<8.40	98	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1230	mg/L	500	1250	<8.40	98	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136428

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR
Prep Batch: 35611 QC Preparation: 2007-09-13 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12800	mg/L	500	6250	6820	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12800	mg/L	500	6250	6820	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41658 | Date Analyzed: 2007-09-20 | Analyzed By: JR
Prep Batch: 35992 | QC Preparation: 2007-09-20 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	125	mg/L	50	125	<1.08	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	125	mg/L	50	125	<1.08	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41658 | Date Analyzed: 2007-09-20 | Analyzed By: JR
Prep Batch: 35992 | QC Preparation: 2007-09-20 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1010	mg/L	50	625	422	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1010	mg/L	50	625	422	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41658 | Date Analyzed: 2007-09-20 | Analyzed By: JR
Prep Batch: 35992 | QC Preparation: 2007-09-20 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	126	mg/L	50	125	4.02	98	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	126	mg/L	50	125	4.02	98	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41658 | Date Analyzed: 2007-09-20 | Analyzed By: JR
Prep Batch: 35992 | QC Preparation: 2007-09-20 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate [1]	5200	mg/L	50	625	4490	114	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	5180	mg/L	50	625	4490	110	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137363

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1240	mg/L	500	1250	<10.8	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	1250	mg/L	500	1250	<10.8	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137363

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6440	mg/L	500	6250	464	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6420	mg/L	500	6250	464	95	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137363

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

continued . . .

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1230	mg/L	500	1250	<8.40	98	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1240	mg/L	500	1250	<8.40	99	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137363

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR
Prep Batch: 35999 QC Preparation: 2007-09-25 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	9970	mg/L	500	6250	4130	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	9930	mg/L	500	6250	4130	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.40	96	90 - 110	2007-09-13

Standard (ICV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2007-09-13

Standard (ICV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.39	96	90 - 110	2007-09-13

Standard (ICV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-09-13

Standard (CCV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.46	98	90 - 110	2007-09-13

Standard (CCV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2007-09-13

Standard (CCV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.44	98	90 - 110	2007-09-13

Standard (CCV-1)

QC Batch: 41208 Date Analyzed: 2007-09-13 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.9	95	90 - 110	2007-09-13

Standard (ICV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.42	97	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.6	93	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.39	96	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.5	92	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.42	97	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.41	96	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41658 Date Analyzed: 2007-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.41	96	90 - 110	1970-09-25

Standard (ICV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	1970-09-25

Standard (ICV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.41	96	90 - 110	1970-09-25

Standard (ICV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	1970-09-25

Standard (CCV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.43	97	90 - 110	1970-09-25

Standard (CCV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	1970-09-25

Standard (CCV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.42	97	90 - 110	1970-09-25

Standard (CCV-1)

QC Batch: 41667 Date Analyzed: 1970-09-25 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	1970-09-25

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Explosives (8330)	S 8330-C18

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41754	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36064	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.59	µg/L	1	2.50	64	19.8 - 160

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41754	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36064	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.99	µg/L	1	2.50	80	19.8 - 160

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41754	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36064	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.03	µg/L	1	2.50	41	19.8 - 160

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41754	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36064	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		0.986	µg/L	1	2.50	39	19.8 - 160

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41754	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36064	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.56	µg/L	1	2.50	62	19.8 - 160

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41754	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36064	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.63	µg/L	1	2.50	65	19.8 - 160

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41755	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36065	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.12	µg/L	1	2.50	45	19.8 - 160

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41755	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36065	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		0.991	µg/L	1	2.50	40	19.8 - 160

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41755	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36065	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.24	µg/L	1	2.50	90	19.8 - 160

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41755	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36065	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.04	µg/L	1	2.50	42	19.8 - 160

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41756	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36066	Sample Preparation:	2007-10-01	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		0.873	µg/L	1	2.50	35	19.8 - 160

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41756	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36066	Sample Preparation:	2007-10-01	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		0.832	µg/L	1	2.50	33	19.8 - 160

Method Blank (1) QC Batch: 41754

QC Batch: 41754 Date Analyzed: 2007-10-03 Analyzed By: DS
Prep Batch: 36064 QC Preparation: 2007-09-18 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
HMX		<0.227	µg/L	0.5
RDX		<0.337	µg/L	0.5
1,3,5-Trinitrobenzene		<0.355	µg/L	0.5
1,3-Dinitrobenzene		<0.402	µg/L	0.5
Tetryl		<0.278	µg/L	0.5
Nitrobenzene		<0.371	µg/L	0.5
TNT		<0.324	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.376	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.417	µg/L	0.5
2-NT		<0.301	µg/L	0.5
3-NT		<0.305	µg/L	0.5
4-NT		<0.315	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.43	µg/L	1	2.50	57	10 - 165

Method Blank (1) QC Batch: 41755

QC Batch: 41755 Date Analyzed: 2007-10-03 Analyzed By: DS
Prep Batch: 36065 QC Preparation: 2007-09-24 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
HMX		<0.227	µg/L	0.5
RDX		<0.337	µg/L	0.5
1,3,5-Trinitrobenzene		<0.355	µg/L	0.5
1,3-Dinitrobenzene		<0.402	µg/L	0.5
Tetryl		<0.278	µg/L	0.5
Nitrobenzene		<0.371	µg/L	0.5
TNT		<0.324	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.376	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.417	µg/L	0.5
2-NT		<0.301	µg/L	0.5
3-NT		<0.305	µg/L	0.5
4-NT		<0.315	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.34	µg/L	1	2.50	54	10 - 165

Method Blank (1) QC Batch: 41756

QC Batch: 41756 Date Analyzed: 2007-10-03 Analyzed By: DS
Prep Batch: 36066 QC Preparation: 2007-10-01 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
HMX		<0.227	µg/L	0.5
RDX		<0.337	µg/L	0.5
1,3,5-Trinitrobenzene		<0.355	µg/L	0.5
1,3-Dinitrobenzene		<0.402	µg/L	0.5
Tetryl		<0.278	µg/L	0.5
Nitrobenzene		<0.371	µg/L	0.5
TNT		<0.324	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.376	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.417	µg/L	0.5
2-NT		<0.301	µg/L	0.5
3-NT		<0.305	µg/L	0.5
4-NT		<0.315	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.48	µg/L	1	2.50	59	10 - 165

Laboratory Control Spike (LCS-1)

QC Batch: 41754 Date Analyzed: 2007-10-03 Analyzed By: DS
Prep Batch: 36064 QC Preparation: 2007-09-18 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	2.11	µg/L	1	2.50	<0.227	84	63.5 - 125
RDX	2.17	µg/L	1	2.50	<0.337	87	74.5 - 124
1,3,5-Trinitrobenzene	1.81	µg/L	1	2.50	<0.355	72	54.1 - 131
1,3-Dinitrobenzene	2.04	µg/L	1	2.50	<0.402	82	72 - 112
Tetryl	1.54	µg/L	1	2.50	<0.278	62	35.9 - 149
Nitrobenzene	1.87	µg/L	1	2.50	<0.371	75	72.5 - 126
TNT	2.02	µg/L	1	2.50	<0.324	81	40.7 - 129
4-amino-DNT / 2-amino-DNT	1.70	µg/L	1	2.50	<0.376	68	63 - 120
2,6-DNT / 2,4-DNT	2.15	µg/L	1	2.50	<0.417	86	58.2 - 137
2-NT	2.10	µg/L	1	2.50	<0.301	84	49.8 - 139
3-NT	2.25	µg/L	1	2.50	<0.305	90	66.2 - 129
4-NT	2.58	µg/L	1	2.50	<0.315	103	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	1.81	µg/L	1	2.50	<0.227	72	63.5 - 125	15	20
RDX	1.89	µg/L	1	2.50	<0.337	76	74.5 - 124	14	20
1,3,5-Trinitrobenzene	1.89	µg/L	1	2.50	<0.355	76	54.1 - 131	4	20
1,3-Dinitrobenzene	2.14	µg/L	1	2.50	<0.402	86	72 - 112	5	20
Tetryl	1.28	µg/L	1	2.50	<0.278	51	35.9 - 149	18	20
Nitrobenzene	2.11	µg/L	1	2.50	<0.371	84	72.5 - 126	12	20
TNT	2.28	µg/L	1	2.50	<0.324	91	40.7 - 129	12	20
4-amino-DNT / 2-amino-DNT	1.60	µg/L	1	2.50	<0.376	64	63 - 120	6	20

continued . . .

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
2,6-DNT / 2,4-DNT	2.33	µg/L	1	2.50	<0.417	93	58.2 - 137	8	20
2-NT	1.95	µg/L	1	2.50	<0.301	78	49.8 - 139	7	20
3-NT	2.42	µg/L	1	2.50	<0.305	97	66.2 - 129	7	20
4-NT	2.07	µg/L	1	2.50	<0.315	83	56.3 - 141	22	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.19	2.28	µg/L	1	2.50	88	91	53 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 41755 | Date Analyzed: 2007-10-03 | Analyzed By: DS
Prep Batch: 36065 | QC Preparation: 2007-09-24 | Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	1.84	µg/L	1	2.50	<0.227	74	63.5 - 125
RDX	1.90	µg/L	1	2.50	<0.337	76	74.5 - 124
1,3,5-Trinitrobenzene	1.77	µg/L	1	2.50	<0.355	71	54.1 - 131
1,3-Dinitrobenzene	2.02	µg/L	1	2.50	<0.402	81	72 - 112
Tetryl	1.61	µg/L	1	2.50	<0.278	64	35.9 - 149
Nitrobenzene	1.85	µg/L	1	2.50	<0.371	74	72.5 - 126
TNT	1.85	µg/L	1	2.50	<0.324	74	40.7 - 129
4-amino-DNT / 2-amino-DNT	1.83	µg/L	1	2.50	<0.376	73	63 - 120
2,6-DNT / 2,4-DNT	2.30	µg/L	1	2.50	<0.417	92	58.2 - 137
2-NT	1.80	µg/L	1	2.50	<0.301	72	49.8 - 139
3-NT	1.96	µg/L	1	2.50	<0.305	78	66.2 - 129
4-NT	1.91	µg/L	1	2.50	<0.315	76	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX		1.88	µg/L	1	2.50	<0.227	75	63.5 - 125	2	20
RDX	[1]	1.83	µg/L	1	2.50	<0.337	73	74.5 - 124	4	20
1,3,5-Trinitrobenzene		1.75	µg/L	1	2.50	<0.355	70	54.1 - 131	1	20
1,3-Dinitrobenzene		1.92	µg/L	1	2.50	<0.402	77	72 - 112	5	20
Tetryl		1.63	µg/L	1	2.50	<0.278	65	35.9 - 149	1	20
Nitrobenzene	[2]	1.69	µg/L	1	2.50	<0.371	68	72.5 - 126	9	20
TNT		1.64	µg/L	1	2.50	<0.324	66	40.7 - 129	12	20
4-amino-DNT / 2-amino-DNT		1.67	µg/L	1	2.50	<0.376	67	63 - 120	9	20
2,6-DNT / 2,4-DNT		2.01	µg/L	1	2.50	<0.417	80	58.2 - 137	13	20
2-NT		1.64	µg/L	1	2.50	<0.301	66	49.8 - 139	9	20
3-NT		1.94	µg/L	1	2.50	<0.305	78	66.2 - 129	1	20
4-NT		1.88	µg/L	1	2.50	<0.315	75	56.3 - 141	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.
[2] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.23	2.18	µg/L	1	2.50	89	87	53 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 41756 | Date Analyzed: 2007-10-03 | Analyzed By: DS
Prep Batch: 36066 | QC Preparation: 2007-10-01 | Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	1.85	µg/L	1	2.50	<0.227	74	63.5 - 125
RDX	1.94	µg/L	1	2.50	<0.337	78	74.5 - 124
1,3,5-Trinitrobenzene	1.87	µg/L	1	2.50	<0.355	75	54.1 - 131
1,3-Dinitrobenzene	2.10	µg/L	1	2.50	<0.402	84	72 - 112
Tetryl	1.78	µg/L	1	2.50	<0.278	71	35.9 - 149
Nitrobenzene	1.85	µg/L	1	2.50	<0.371	74	72.5 - 126
TNT	1.92	µg/L	1	2.50	<0.324	77	40.7 - 129
4-amino-DNT / 2-amino-DNT	1.73	µg/L	1	2.50	<0.376	69	63 - 120
2,6-DNT / 2,4-DNT	2.23	µg/L	1	2.50	<0.417	89	58.2 - 137
2-NT	1.80	µg/L	1	2.50	<0.301	72	49.8 - 139
3-NT	2.23	µg/L	1	2.50	<0.305	89	66.2 - 129
4-NT	2.31	µg/L	1	2.50	<0.315	92	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX		1.86	µg/L	1	2.50	<0.227	74	63.5 - 125	0	20
RDX	[3]	1.79	µg/L	1	2.50	<0.337	72	74.5 - 124	8	20
1,3,5-Trinitrobenzene		1.67	µg/L	1	2.50	<0.355	67	54.1 - 131	11	20
1,3-Dinitrobenzene		1.93	µg/L	1	2.50	<0.402	77	72 - 112	8	20
Tetryl		1.55	µg/L	1	2.50	<0.278	62	35.9 - 149	14	20
Nitrobenzene	[4]	1.68	µg/L	1	2.50	<0.371	67	72.5 - 126	10	20
TNT		1.61	µg/L	1	2.50	<0.324	64	40.7 - 129	18	20
4-amino-DNT / 2-amino-DNT		1.70	µg/L	1	2.50	<0.376	68	63 - 120	2	20
2,6-DNT / 2,4-DNT		2.13	µg/L	1	2.50	<0.417	85	58.2 - 137	5	20
2-NT		1.70	µg/L	1	2.50	<0.301	68	49.8 - 139	6	20
3-NT		2.14	µg/L	1	2.50	<0.305	86	66.2 - 129	4	20
4-NT		2.43	µg/L	1	2.50	<0.315	97	56.3 - 141	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.18	2.22	µg/L	1	2.50	87	89	53 - 134

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41755 | Date Analyzed: 2007-10-03 | Analyzed By: DS
Prep Batch: 36065 | QC Preparation: 2007-09-24 | Prepared By: DS

[3] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.
[4] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX		1.04	µg/L	1	2.50	<0.227	42	10 - 164
RDX		1.42	µg/L	1	2.50	<0.337	57	10 - 147
1,3,5-Trinitrobenzene	[5]	7.54	µg/L	1	2.50	<0.355	302	10 - 187
1,3-Dinitrobenzene		1.35	µg/L	1	2.50	<0.402	54	10 - 155
Tetryl		1.48	µg/L	1	2.50	<0.278	59	10 - 158
Nitrobenzene		1.49	µg/L	1	2.50	<0.371	60	10 - 156
TNT		1.73	µg/L	1	2.50	<0.324	69	21 - 114
4-amino-DNT / 2-amino-DNT		1.66	µg/L	1	2.50	<0.376	66	10 - 150
2,6-DNT / 2,4-DNT		2.65	µg/L	1	2.50	<0.417	106	21.3 - 150
2-NT		1.91	µg/L	1	2.50	<0.301	76	10 - 147
3-NT		2.10	µg/L	1	2.50	<0.305	84	10 - 167
4-NT		1.64	µg/L	1	2.50	<0.315	66	10 - 161

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX		1.11	µg/L	1	2.50	<0.227	44	10 - 164	6	20
RDX		1.67	µg/L	1	2.50	<0.337	67	10 - 147	16	20
1,3,5-Trinitrobenzene	[6]	6.85	µg/L	1	2.50	<0.355	274	10 - 187	10	20
1,3-Dinitrobenzene		1.49	µg/L	1	2.50	<0.402	60	10 - 155	10	20
Tetryl		1.59	µg/L	1	2.50	<0.278	64	10 - 158	7	20
Nitrobenzene		1.58	µg/L	1	2.50	<0.371	63	10 - 156	6	20
TNT		1.50	µg/L	1	2.50	<0.324	60	21 - 114	14	20
4-amino-DNT / 2-amino-DNT		1.53	µg/L	1	2.50	<0.376	61	10 - 150	8	20
2,6-DNT / 2,4-DNT		2.67	µg/L	1	2.50	<0.417	107	21.3 - 150	1	20
2-NT		1.92	µg/L	1	2.50	<0.301	77	10 - 147	0	20
3-NT		2.52	µg/L	1	2.50	<0.305	101	10 - 167	18	20
4-NT		1.60	µg/L	1	2.50	<0.315	64	10 - 161	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.40	2.39	µg/L	1	2.5	96	96	10 - 222

Standard (ICV-1)

QC Batch: 41754 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	464	93	85 - 115	2007-10-03
RDX		µg/L	500	481	96	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	436	87	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	533	107	85 - 115	2007-10-03
Tetryl		µg/L	500	465	93	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	474	95	85 - 115	2007-10-03
TNT		µg/L	500	495	99	85 - 115	2007-10-03

continued ...

[5] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[6] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-amino-DNT / 2-amino-DNT		µg/L	500	441	88	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	534	107	85 - 115	2007-10-03
2-NT		µg/L	500	434	87	85 - 115	2007-10-03
3-NT		µg/L	500	485	97	85 - 115	2007-10-03
4-NT		µg/L	500	461	92	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		551	µg/L	1	500	110	85 - 115

Standard (CCV-1)

QC Batch: 41754 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	473	95	85 - 115	2007-10-03
RDX		µg/L	500	471	94	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	443	89	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	507	101	85 - 115	2007-10-03
Tetryl		µg/L	500	438	88	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	468	94	85 - 115	2007-10-03
TNT		µg/L	500	460	92	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	446	89	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	529	106	85 - 115	2007-10-03
2-NT		µg/L	500	431	86	85 - 115	2007-10-03
3-NT		µg/L	500	548	110	85 - 115	2007-10-03
4-NT		µg/L	500	559	112	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		553	µg/L	1	500	111	85 - 115

Standard (ICV-1)

QC Batch: 41755 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	473	95	85 - 115	2007-10-03
RDX		µg/L	500	471	94	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	443	89	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	507	101	85 - 115	2007-10-03
Tetryl		µg/L	500	438	88	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	468	94	85 - 115	2007-10-03
TNT		µg/L	500	460	92	85 - 115	2007-10-03

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-amino-DNT / 2-amino-DNT		µg/L	500	446	89	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	529	106	85 - 115	2007-10-03
2-NT		µg/L	500	431	86	85 - 115	2007-10-03
3-NT		µg/L	500	548	110	85 - 115	2007-10-03
4-NT		µg/L	500	559	112	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		553	µg/L	1	500	111	85 - 115

Standard (CCV-1)

QC Batch: 41755 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	430	86	85 - 115	2007-10-03
RDX		µg/L	500	562	112	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	434	87	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	573	115	85 - 115	2007-10-03
Tetryl		µg/L	500	535	107	85 - 115	2007-10-03
Nitrobenzene	[7]	µg/L	500	678	136	85 - 115	2007-10-03
TNT		µg/L	500	563	113	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	479	96	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT	[8]	µg/L	500	587	117	85 - 115	2007-10-03
2-NT		µg/L	500	429	86	85 - 115	2007-10-03
3-NT		µg/L	500	542	108	85 - 115	2007-10-03
4-NT	[9]	µg/L	500	627	125	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		521	µg/L	1	500	104	85 - 115

Standard (ICV-1)

QC Batch: 41756 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	473	95	85 - 115	2007-10-03
RDX		µg/L	500	471	94	85 - 115	2007-10-03

continued ...

[7] Nitrobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

[8] 2,6-DNT / 2,4-DNT outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

[9] 4-NT outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,3,5-Trinitrobenzene		µg/L	500	443	89	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	507	101	85 - 115	2007-10-03
Tetryl		µg/L	500	438	88	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	468	94	85 - 115	2007-10-03
TNT		µg/L	500	460	92	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	446	89	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	529	106	85 - 115	2007-10-03
2-NT		µg/L	500	431	86	85 - 115	2007-10-03
3-NT		µg/L	500	548	110	85 - 115	2007-10-03
4-NT		µg/L	500	559	112	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		553	µg/L	1	500	111	85 - 115

Standard (CCV-1)

QC Batch: 41756 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	430	86	85 - 115	2007-10-03
RDX		µg/L	500	562	112	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	434	87	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	573	115	85 - 115	2007-10-03
Tetryl		µg/L	500	535	107	85 - 115	2007-10-03
Nitrobenzene	[10]	µg/L	500	678	136	85 - 115	2007-10-03
TNT		µg/L	500	563	113	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	479	96	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT	[11]	µg/L	500	587	117	85 - 115	2007-10-03
2-NT		µg/L	500	429	86	85 - 115	2007-10-03
3-NT		µg/L	500	542	108	85 - 115	2007-10-03
4-NT	[12]	µg/L	500	627	125	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		521	µg/L	1	500	104	85 - 115

[10] Nitrobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

[11] 2,6-DNT / 2,4-DNT outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

[12] 4-NT outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Nitrate and Nitrite as N	E 353.3

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41118	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35533	Sample Preparation:	2007-09-14	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**61.8**	mg/L	500	0.100

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41118	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35533	Sample Preparation:	2007-09-14	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<100	mg/L	1000	0.100

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41118	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35533	Sample Preparation:	2007-09-14	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		<100	mg/L	1000	0.100

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41585	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35934	Sample Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**18.7**	mg/L	100	0.100

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41585	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35934	Sample Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**52.8**		mg/L	200	0.100

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41585	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35934	Sample Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**49.8**		mg/L	200	0.100

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41585	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35934	Sample Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**300**		mg/L	2500	0.100

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41585	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35934	Sample Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**328**		mg/L	2500	0.100

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41586	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35935	Sample Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**9.98**		mg/L	50	0.100

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41906	Date Analyzed:	2007-10-05	Analyzed By:	MM
Prep Batch:	36195	Sample Preparation:	2007-10-05	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**120**	mg/L	1000	0.100

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41906	Date Analyzed:	2007-10-05	Analyzed By:	MM
Prep Batch:	36195	Sample Preparation:	2007-10-05	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**50.9**	mg/L	200	0.100

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	41906	Date Analyzed:	2007-10-05	Analyzed By:	MM
Prep Batch:	36195	Sample Preparation:	2007-10-05	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate and Nitrite as N		**66.7**	mg/L	500	0.100

Method Blank (1) QC Batch: 41118

QC Batch:	41118	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35533	QC Preparation:	2007-09-14	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 41585

QC Batch:	41585	Date Analyzed:	2007-09-28	Analyzed By:	MM
Prep Batch:	35934	QC Preparation:	2007-09-28	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 41586

QC Batch: 41586 Date Analyzed: 2007-09-28 Analyzed By: MM
Prep Batch: 35935 QC Preparation: 2007-09-28 Prepared By: MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 41906

QC Batch: 41906 Date Analyzed: 2007-10-05 Analyzed By: MM
Prep Batch: 36195 QC Preparation: 2007-10-05 Prepared By: MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Laboratory Control Spike (LCS-1)

QC Batch: 41118 Date Analyzed: 2007-09-14 Analyzed By: MM
Prep Batch: 35533 QC Preparation: 2007-09-14 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.142	mg/L	1	0.160	<0.0223	89	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.140	mg/L	1	0.160	<0.0223	88	77 - 122	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41585 Date Analyzed: 2007-09-28 Analyzed By: MM
Prep Batch: 35934 QC Preparation: 2007-09-28 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.148	mg/L	1	0.160	<0.0223	92	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.153	mg/L	1	0.160	<0.0223	96	77 - 122	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41586 Date Analyzed: 2007-09-28 Analyzed By: MM
Prep Batch: 35935 QC Preparation: 2007-09-28 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.158	mg/L	1	0.160	<0.0223	99	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.163	mg/L	1	0.160	<0.0223	102	77 - 122	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41906 Date Analyzed: 2007-10-05 Analyzed By: MM
Prep Batch: 36195 QC Preparation: 2007-10-05 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.156	mg/L	1	0.160	<0.0223	98	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.177	mg/L	1	0.160	<0.0223	111	77 - 122	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136223

QC Batch: 41118 Date Analyzed: 2007-09-14 Analyzed By: MM
Prep Batch: 35533 QC Preparation: 2007-09-14 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N [1]	98.3	mg/L	500	0.160	92.51	3619	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N [2]	81.8	mg/L	500	0.160	92.51	-6692	10 - 208	18	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 136946

QC Batch: 41585 | Date Analyzed: 2007-09-28 | Analyzed By: MM
Prep Batch: 35934 | QC Preparation: 2007-09-28 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	1.59	mg/L	25	0.160	1.36	144	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[3]	1.87	mg/L	25	0.160	1.36	319	10 - 208	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41586 | Date Analyzed: 2007-09-28 | Analyzed By: MM
Prep Batch: 35935 | QC Preparation: 2007-09-28 | Prepared By: MM

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[4]	9.36	mg/L	50	0.160	9.98	-386	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	10.2	mg/L	50	0.160	9.98	138	10 - 208	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137460

QC Batch: 41906 | Date Analyzed: 2007-10-05 | Analyzed By: MM
Prep Batch: 36195 | QC Preparation: 2007-10-05 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.157	mg/L	1	0.160	<0.0223	98	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.148	mg/L	1	0.160	<0.0223	92	10 - 208	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[3] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (ICV-1)

QC Batch: 41118 Date Analyzed: 2007-09-14 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.146	91	85 - 115	2007-09-14

Standard (CCV-1)

QC Batch: 41118 Date Analyzed: 2007-09-14 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.145	91	85 - 115	2007-09-14

Standard (ICV-1)

QC Batch: 41585 Date Analyzed: 2007-09-28 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.149	93	85 - 115	2007-09-28

Standard (CCV-1)

QC Batch: 41585 Date Analyzed: 2007-09-28 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.141	88	85 - 115	2007-09-28

Standard (ICV-1)

QC Batch: 41586 Date Analyzed: 2007-09-28 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.141	88	85 - 115	2007-09-28

Standard (CCV-1)

QC Batch: 41586 Date Analyzed: 2007-09-28 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.154	96	85 - 115	2007-09-28

Standard (ICV-1)

QC Batch: 41906 Date Analyzed: 2007-10-05 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.172	108	85 - 115	2007-10-05

Standard (CCV-1)

QC Batch: 41906 Date Analyzed: 2007-10-05 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.162	101	85 - 115	2007-10-05

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
pH	SM 4500-H+

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41144	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35555	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.59**		s.u.	1	0.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41144	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35555	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.70**		s.u.	1	0.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41144	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35555	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.55**		s.u.	1	0.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41146	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35557	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.39**		s.u.	1	0.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41146	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35557	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.55**	s.u.	1	0.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41146	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35557	Sample Preparation:	2007-09-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.53**	s.u.	1	0.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41395	Date Analyzed:	2007-09-18	Analyzed By:	JR
Prep Batch:	35766	Sample Preparation:	2007-09-18	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.32**	s.u.	1	0.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41395	Date Analyzed:	2007-09-18	Analyzed By:	JR
Prep Batch:	35766	Sample Preparation:	2007-09-18	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.32**	s.u.	1	0.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41395	Date Analyzed:	2007-09-18	Analyzed By:	JR
Prep Batch:	35766	Sample Preparation:	2007-09-18	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.48**	s.u.	1	0.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41397	Date Analyzed:	2007-09-21	Analyzed By:	JG
Prep Batch:	35770	Sample Preparation:	2007-09-21	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.75**		s.u.	1	0.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41499	Date Analyzed:	2007-09-25	Analyzed By:	MD
Prep Batch:	35854	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.31**		s.u.	1	0.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	41499	Date Analyzed:	2007-09-25	Analyzed By:	MD
Prep Batch:	35854	Sample Preparation:	2007-09-25	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.45**		s.u.	1	0.00

Duplicates (1)

QC Batch:	41144	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35555	QC Preparation:	2007-09-12	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.61	7.59	s.u.	1	0	20

Duplicates (1)

QC Batch:	41146	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35557	QC Preparation:	2007-09-13	Prepared By:	JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.54	7.53	s.u.	1	0	20

Duplicates (1)

QC Batch: 41395 Date Analyzed: 2007-09-18 Analyzed By: JR
Prep Batch: 35766 QC Preparation: 2007-09-18 Prepared By: JR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.31	7.32	s.u.	1	0	20

Duplicates (1)

QC Batch: 41397 Date Analyzed: 2007-09-21 Analyzed By: JG
Prep Batch: 35770 QC Preparation: 2007-09-21 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.74	7.75	s.u.	1	0	20

Duplicates (1)

QC Batch: 41499 Date Analyzed: 2007-09-25 Analyzed By: MD
Prep Batch: 35854 QC Preparation: 2007-09-25 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.28	7.31	s.u.	1	0	20

Standard (ICV-1)

QC Batch: 41144 Date Analyzed: 2007-09-12 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98.8 - 101	2007-09-12

Standard (CCV-1)

QC Batch: 41144 Date Analyzed: 2007-09-12 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-09-12

Standard (ICV-1)

QC Batch: 41146 Date Analyzed: 2007-09-13 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-09-13

Standard (CCV-1)

QC Batch: 41146 Date Analyzed: 2007-09-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-09-13

Standard (ICV-1)

QC Batch: 41395 Date Analyzed: 2007-09-18 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98.8 - 101	2007-09-18

Standard (CCV-1)

QC Batch: 41395 Date Analyzed: 2007-09-18 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-09-18

Standard (ICV-1)

QC Batch: 41397 Date Analyzed: 2007-09-21 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98.8 - 101	2007-09-21

Standard (CCV-1)

QC Batch: 41397 Date Analyzed: 2007-09-21 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-09-21

Standard (ICV-1)

QC Batch: 41499 Date Analyzed: 2007-09-25 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-09-25

Standard (CCV-1)

QC Batch: 41499 Date Analyzed: 2007-09-25 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-09-25

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 47 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		**0.0862**	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		**0.0708**	mg/L	1	0.00500
1-Methylnaphthalene		**0.0370**	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 136218 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0178	mg/L	1	0.0800	22	10 - 84.7
Phenol-d5		0.0122	mg/L	1	0.0800	15	10 - 54.9
Nitrobenzene-d5		0.0467	mg/L	1	0.0800	58	10 - 202
2-Fluorobiphenyl		0.0547	mg/L	1	0.0800	68	10 - 199
2,4,6-Tribromophenol		0.0441	mg/L	1	0.0800	55	10 - 141
Terphenyl-d14		0.0528	mg/L	1	0.0800	66	10 - 160

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		**0.00934**		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500

continued ...

sample 136223 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500

continued . . .

sample 136223 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.00890	mg/L	1	0.0800	11	10 - 84.7
Phenol-d5		0.00840	mg/L	1	0.0800	10	10 - 54.9
Nitrobenzene-d5		0.0143	mg/L	1	0.0800	18	10 - 202
2-Fluorobiphenyl		0.0163	mg/L	1	0.0800	20	10 - 199
2,4,6-Tribromophenol		0.0178	mg/L	1	0.0800	22	10 - 141
Terphenyl-d14		0.0320	mg/L	1	0.0800	40	10 - 160

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500

continued . . .

sample 136224 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500

continued ...

sample 136224 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0165	mg/L	1	0.0800	21	10 - 84.7
Phenol-d5		0.0207	mg/L	1	0.0800	26	10 - 54.9
Nitrobenzene-d5		0.0184	mg/L	1	0.0800	23	10 - 202
2-Fluorobiphenyl		0.0211	mg/L	1	0.0800	26	10 - 199
2,4,6-Tribromophenol		0.0169	mg/L	1	0.0800	21	10 - 141
Terphenyl-d14		0.0545	mg/L	1	0.0800	68	10 - 160

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500

continued . . .

sample 136425 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100

continued ...

sample 136425 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0100	mg/L	1	0.0800	12	10 - 84.7
Phenol-d5		0.0113	mg/L	1	0.0800	14	10 - 54.9
Nitrobenzene-d5		0.0111	mg/L	1	0.0800	14	10 - 202
2-Fluorobiphenyl		0.0177	mg/L	1	0.0800	22	10 - 199
2,4,6-Tribromophenol		0.0281	mg/L	1	0.0800	35	10 - 141
Terphenyl-d14		0.0747	mg/L	1	0.0800	93	10 - 160

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500

continued . . .

sample 136428 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0108	mg/L	1	0.0800	14	10 - 84.7
Phenol-d5		0.0138	mg/L	1	0.0800	17	10 - 54.9
Nitrobenzene-d5		0.0108	mg/L	1	0.0800	14	10 - 202
2-Fluorobiphenyl		0.0130	mg/L	1	0.0800	16	10 - 199
2,4,6-Tribromophenol		0.0200	mg/L	1	0.0800	25	10 - 141
Terphenyl-d14		0.0777	mg/L	1	0.0800	97	10 - 160

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	Sample Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500

continued ...

sample 136429 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500

continued . . .

sample 136429 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0101	mg/L	1	0.0800	13	10 - 84.7
Phenol-d5		0.0157	mg/L	1	0.0800	20	10 - 54.9
Nitrobenzene-d5		0.0119	mg/L	1	0.0800	15	10 - 202
2-Fluorobiphenyl		0.0165	mg/L	1	0.0800	21	10 - 199
2,4,6-Tribromophenol		0.0266	mg/L	1	0.0800	33	10 - 141
Terphenyl-d14		0.0706	mg/L	1	0.0800	88	10 - 160

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41435	Date Analyzed:	2007-09-25	Analyzed By:	DS
Prep Batch:	35805	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500

continued . . .

sample 136892 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500

continued ...

sample 136892 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.00810	mg/L	1	0.0800	10	10 - 84.7
Phenol-d5		0.0103	mg/L	1	0.0800	13	10 - 54.9
Nitrobenzene-d5		0.00940	mg/L	1	0.0800	12	10 - 202
2-Fluorobiphenyl		0.0123	mg/L	1	0.0800	15	10 - 199
2,4,6-Tribromophenol		0.0131	mg/L	1	0.0800	16	10 - 141
Terphenyl-d14		0.0730	mg/L	1	0.0800	91	10 - 160

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41435	Date Analyzed:	2007-09-25	Analyzed By:	DS
Prep Batch:	35805	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500

continued . . .

sample 136893 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100

continued . . .

sample 136893 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.00880	mg/L	1	0.0800	11	10 - 84.7
Phenol-d5		0.0103	mg/L	1	0.0800	13	10 - 54.9
Nitrobenzene-d5		0.0103	mg/L	1	0.0800	13	10 - 202
2-Fluorobiphenyl		0.0135	mg/L	1	0.0800	17	10 - 199
2,4,6-Tribromophenol		0.0143	mg/L	1	0.0800	18	10 - 141
Terphenyl-d14		0.0590	mg/L	1	0.0800	74	10 - 160

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41435	Date Analyzed:	2007-09-25	Analyzed By:	DS
Prep Batch:	35805	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500

continued . . .

sample 136954 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0107	mg/L	1	0.0800	13	10 - 84.7
Phenol-d5		0.0154	mg/L	1	0.0800	19	10 - 54.9
Nitrobenzene-d5		0.0111	mg/L	1	0.0800	14	10 - 202
2-Fluorobiphenyl		0.0180	mg/L	1	0.0800	22	10 - 199
2,4,6-Tribromophenol		0.0406	mg/L	1	0.0800	51	10 - 141
Terphenyl-d14		0.0891	mg/L	1	0.0800	111	10 - 160

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41435	Date Analyzed:	2007-09-25	Analyzed By:	DS
Prep Batch:	35805	Sample Preparation:	2007-09-24	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500

continued ...

sample 137212 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500

continued . . .

sample 137212 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.00900	mg/L	1	0.0800	11	10 - 84.7
Phenol-d5		0.00940	mg/L	1	0.0800	12	10 - 54.9
Nitrobenzene-d5		0.00960	mg/L	1	0.0800	12	10 - 202
2-Fluorobiphenyl		0.0121	mg/L	1	0.0800	15	10 - 199
2,4,6-Tribromophenol		0.0239	mg/L	1	0.0800	30	10 - 141
Terphenyl-d14		0.0776	mg/L	1	0.0800	97	10 - 160

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41744	Date Analyzed:	2007-10-04	Analyzed By:	DS
Prep Batch:	36061	Sample Preparation:	2007-10-01	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500

continued . . .

sample 137363 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500

continued . . .

sample 137363 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0125	mg/L	1	0.0800	16	10 - 84.7
Phenol-d5		0.00870	mg/L	1	0.0800	11	10 - 54.9
Nitrobenzene-d5		0.0356	mg/L	1	0.0800	44	10 - 202
2-Fluorobiphenyl		0.0463	mg/L	1	0.0800	58	10 - 199
2,4,6-Tribromophenol		0.0565	mg/L	1	0.0800	71	10 - 141
Terphenyl-d14		0.0638	mg/L	1	0.0800	80	10 - 160

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41744	Date Analyzed:	2007-10-04	Analyzed By:	DS
Prep Batch:	36061	Sample Preparation:	2007-10-01	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500

continued . . .

sample 137368 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100

continued ...

sample 137368 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0139	mg/L	1	0.0800	17	10 - 84.7
Phenol-d5		0.0107	mg/L	1	0.0800	13	10 - 54.9
Nitrobenzene-d5		0.0355	mg/L	1	0.0800	44	10 - 202
2-Fluorobiphenyl		0.0427	mg/L	1	0.0800	53	10 - 199
2,4,6-Tribromophenol		0.0432	mg/L	1	0.0800	54	10 - 141
Terphenyl-d14		0.0639	mg/L	1	0.0800	80	10 - 160

Method Blank (1) QC Batch: 41322

QC Batch:	41322	Date Analyzed:	2007-09-19	Analyzed By:	DS
Prep Batch:	35704	QC Preparation:	2007-09-18	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0179	mg/L	1	0.0800	22	10 - 66.9

continued . . .

method blank continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Phenol-d5		0.0125	mg/L	1	0.0800	16	10 - 50.7
Nitrobenzene-d5		0.0475	mg/L	1	0.0800	59	10 - 124
2-Fluorobiphenyl		0.0604	mg/L	1	0.0800	76	10 - 127
2,4,6-Tribromophenol		0.0395	mg/L	1	0.0800	49	10 - 138
Terphenyl-d14		0.0612	mg/L	1	0.0800	76	10 - 143

Method Blank (1) QC Batch: 41435

QC Batch: 41435 Date Analyzed: 2007-09-25 Analyzed By: DS
Prep Batch: 35805 QC Preparation: 2007-09-24 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0270	mg/L	1	0.0800	34	10 - 66.9
Phenol-d5		0.0201	mg/L	1	0.0800	25	10 - 50.7
Nitrobenzene-d5		0.0612	mg/L	1	0.0800	76	10 - 124
2-Fluorobiphenyl		0.0678	mg/L	1	0.0800	85	10 - 127
2,4,6-Tribromophenol		0.0458	mg/L	1	0.0800	57	10 - 138
Terphenyl-d14		0.0804	mg/L	1	0.0800	100	10 - 143

Method Blank (1) QC Batch: 41744

QC Batch:	41744	Date Analyzed:	2007-10-04	Analyzed By:	DS
Prep Batch:	36061	QC Preparation:	2007-10-01	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005

continued . . .

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0143	mg/L	1	0.0800	18	10 - 66.9
Phenol-d5		0.0106	mg/L	1	0.0800	13	10 - 50.7
Nitrobenzene-d5		0.0385	mg/L	1	0.0800	48	10 - 124
2-Fluorobiphenyl		0.0462	mg/L	1	0.0800	58	10 - 127
2,4,6-Tribromophenol		0.0427	mg/L	1	0.0800	53	10 - 138
Terphenyl-d14		0.0655	mg/L	1	0.0800	82	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 41322 | Date Analyzed: 2007-09-19 | Analyzed By: DS
Prep Batch: 35704 | QC Preparation: 2007-09-18 | Prepared By: DS

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.00995	mg/L	1	0.0800	0	12	10 - 46.1
2-Chlorophenol		0.0299	mg/L	1	0.0800	0	37	10 - 123
1,4-Dichlorobenzene (para)		0.0320	mg/L	1	0.0800	0	40	10 - 118
N-Nitrosodi-n-propylamine		0.0387	mg/L	1	0.0800	0	48	10 - 132
1,2,4-Trichlorobenzene		0.0328	mg/L	1	0.0800	0	41	10 - 130
Naphthalene		0.0347	mg/L	1	0.0800	0	43	20.3 - 121
4-Chloro-3-methylphenol		0.0285	mg/L	1	0.0800	0	36	10 - 140
Acenaphthylene		0.0436	mg/L	1	0.0800	0	54	22.3 - 124
Acenaphthene		0.0403	mg/L	1	0.0800	0	50	18.8 - 134
Dibenzofuran		0.0451	mg/L	1	0.0800	0	56	37.5 - 102
4-Nitrophenol	[1]	0.115	mg/L	1	0.0800	0	144	10 - 135
2,4-Dinitrotoluene		0.0625	mg/L	1	0.0800	0	78	13.6 - 152

continued . . .

[1] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluorene		0.0503	mg/L	1	0.0800	0	63	29.7 - 114
Pentachlorophenol		0.0184	mg/L	1	0.0800	0	23	10 - 144
Anthracene		0.0578	mg/L	1	0.0800	0	72	48.2 - 118
Phenanthrene		0.0587	mg/L	1	0.0800	0	73	45.5 - 121
Fluoranthene		0.0579	mg/L	1	0.0800	0	72	42.7 - 126
Pyrene		0.0544	mg/L	1	0.0800	0	68	26.8 - 155
Benzo(a)anthracene		0.0542	mg/L	1	0.0800	0	68	60.2 - 97.3
Chrysene		0.0536	mg/L	1	0.0800	0	67	56 - 92.4
Benzo(b)fluoranthene	[2]	0.0559	mg/L	1	0.0800	0	70	73.9 - 102
Benzo(k)fluoranthene		0.0522	mg/L	1	0.0800	0	65	45.6 - 143
Benzo(a)pyrene		0.0568	mg/L	1	0.0800	0	71	54.8 - 122
Indeno(1,2,3-cd)pyrene		0.0616	mg/L	1	0.0800	0	77	61.4 - 118
Dibenzo(a,h)anthracene	[3]	0.0466	mg/L	1	0.0800	0	58	64.9 - 118
Benzo(g,h,i)perylene		0.0624	mg/L	1	0.0800	0	78	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		0.0102	mg/L	1	0.0800	0	13	10 - 46.1	2	20
2-Chlorophenol		0.0307	mg/L	1	0.0800	0	38	10 - 123	3	20
1,4-Dichlorobenzene (para)		0.0331	mg/L	1	0.0800	0	41	10 - 118	3	20
N-Nitrosodi-n-propylamine		0.0394	mg/L	1	0.0800	0	49	10 - 132	2	20
1,2,4-Trichlorobenzene		0.0332	mg/L	1	0.0800	0	42	10 - 130	1	20
Naphthalene		0.0351	mg/L	1	0.0800	0	44	20.3 - 121	1	20
4-Chloro-3-methylphenol		0.0296	mg/L	1	0.0800	0	37	10 - 140	4	20
Acenaphthylene		0.0440	mg/L	1	0.0800	0	55	22.3 - 124	1	20
Acenaphthene		0.0412	mg/L	1	0.0800	0	52	18.8 - 134	2	20
Dibenzofuran		0.0457	mg/L	1	0.0800	0	57	37.5 - 102	1	20
4-Nitrophenol	[4]	0.117	mg/L	1	0.0800	0	146	10 - 135	2	20
2,4-Dinitrotoluene		0.0649	mg/L	1	0.0800	0	81	13.6 - 152	4	20
Fluorene		0.0506	mg/L	1	0.0800	0	63	29.7 - 114	1	20
Pentachlorophenol		0.0207	mg/L	1	0.0800	0	26	10 - 144	12	20
Anthracene		0.0588	mg/L	1	0.0800	0	74	48.2 - 118	2	20
Phenanthrene		0.0592	mg/L	1	0.0800	0	74	45.5 - 121	1	20
Fluoranthene		0.0583	mg/L	1	0.0800	0	73	42.7 - 126	1	20
Pyrene		0.0560	mg/L	1	0.0800	0	70	26.8 - 155	3	20
Benzo(a)anthracene		0.0555	mg/L	1	0.0800	0	69	60.2 - 97.3	2	20
Chrysene		0.0543	mg/L	1	0.0800	0	68	56 - 92.4	1	20
Benzo(b)fluoranthene	[5]	0.0562	mg/L	1	0.0800	0	70	73.9 - 102	0	20
Benzo(k)fluoranthene		0.0533	mg/L	1	0.0800	0	67	45.6 - 143	2	20
Benzo(a)pyrene		0.0577	mg/L	1	0.0800	0	72	54.8 - 122	2	20
Indeno(1,2,3-cd)pyrene		0.0636	mg/L	1	0.0800	0	80	61.4 - 118	3	20
Dibenzo(a,h)anthracene	[6]	0.0483	mg/L	1	0.0800	0	60	64.9 - 118	4	20
Benzo(g,h,i)perylene		0.0650	mg/L	1	0.0800	0	81	46.8 - 129	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[2] Benzo(b)fluoranthene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[3] Dibenzo(a,h)anthracene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[4] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[5] Benzo(b)fluoranthene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[6] Dibenzo(a,h)anthracene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0133	0.0138	mg/L	1	0.0800	17	17	10 - 109
Phenol-d5	0.00910	0.00920	mg/L	1	0.0800	11	12	10 - 61.5
Nitrobenzene-d5	0.0356	0.0362	mg/L	1	0.0800	44	45	10 - 139
2-Fluorobiphenyl	0.0404	0.0411	mg/L	1	0.0800	50	51	10 - 139
2,4,6-Tribromophenol	0.0442	0.0468	mg/L	1	0.0800	55	58	10 - 161
Terphenyl-d14	0.0567	0.0576	mg/L	1	0.0800	71	72	10 - 144

Laboratory Control Spike (LCS-1)

QC Batch: 41435 Date Analyzed: 2007-09-25 Analyzed By: DS
Prep Batch: 35805 QC Preparation: 2007-09-24 Prepared By: DS

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0218	mg/L	1	0.0800	0	27	10 - 46.1
2-Chlorophenol		0.0630	mg/L	1	0.0800	0	79	10 - 123
1,4-Dichlorobenzene (para)		0.0566	mg/L	1	0.0800	0	71	10 - 118
N-Nitrosodi-n-propylamine	[7]	0.108	mg/L	1	0.0800	0	135	10 - 132
1,2,4-Trichlorobenzene		0.0566	mg/L	1	0.0800	0	71	10 - 130
Naphthalene		0.0654	mg/L	1	0.0800	0	82	20.3 - 121
4-Chloro-3-methylphenol		0.0613	mg/L	1	0.0800	0	77	10 - 140
Acenaphthylene		0.0791	mg/L	1	0.0800	0	99	22.3 - 124
Acenaphthene		0.0737	mg/L	1	0.0800	0	92	18.8 - 134
Dibenzofuran		0.0718	mg/L	1	0.0800	0	90	37.5 - 102
4-Nitrophenol	[8]	0.186	mg/L	1	0.0800	0	232	10 - 135
2,4-Dinitrotoluene		0.0598	mg/L	1	0.0800	0	75	13.6 - 152
Fluorene		0.0667	mg/L	1	0.0800	0	83	29.7 - 114
Pentachlorophenol		0.0306	mg/L	1	0.0800	0	38	10 - 144
Anthracene		0.0759	mg/L	1	0.0800	0	95	48.2 - 118
Phenanthrene		0.0723	mg/L	1	0.0800	0	90	45.5 - 121
Fluoranthene		0.0758	mg/L	1	0.0800	0	95	42.7 - 126
Pyrene		0.0648	mg/L	1	0.0800	0	81	26.8 - 155
Benzo(a)anthracene		0.0643	mg/L	1	0.0800	0	80	60.2 - 97.3
Chrysene		0.0661	mg/L	1	0.0800	0	83	56 - 92.4
Benzo(b)fluoranthene		0.0707	mg/L	1	0.0800	0	88	73.9 - 102
Benzo(k)fluoranthene		0.0744	mg/L	1	0.0800	0	93	45.6 - 143
Benzo(a)pyrene		0.0790	mg/L	1	0.0800	0	99	54.8 - 122
Indeno(1,2,3-cd)pyrene		0.0890	mg/L	1	0.0800	0	111	61.4 - 118
Dibenzo(a,h)anthracene		0.0861	mg/L	1	0.0800	0	108	64.9 - 118
Benzo(g,h,i)perylene		0.0869	mg/L	1	0.0800	0	109	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0222	mg/L	1	0.0800	0	28	10 - 46.1	2	20
2-Chlorophenol	0.0616	mg/L	1	0.0800	0	77	10 - 123	2	20
1,4-Dichlorobenzene (para)	0.0560	mg/L	1	0.0800	0	70	10 - 118	1	20

continued ...

[7] N-Nitrosodi-n-propylamine out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[8] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
N-Nitrosodi-n-propylamine	[9]	0.110	mg/L	1	0.0800	0	138	10 - 132	2	20
1,2,4-Trichlorobenzene		0.0568	mg/L	1	0.0800	0	71	10 - 130	0	20
Naphthalene		0.0656	mg/L	1	0.0800	0	82	20.3 - 121	0	20
4-Chloro-3-methylphenol		0.0690	mg/L	1	0.0800	0	86	10 - 140	12	20
Acenaphthylene		0.0772	mg/L	1	0.0800	0	96	22.3 - 124	2	20
Acenaphthene		0.0734	mg/L	1	0.0800	0	92	18.8 - 134	0	20
Dibenzofuran		0.0732	mg/L	1	0.0800	0	92	37.5 - 102	2	20
4-Nitrophenol	[10]	0.186	mg/L	1	0.0800	0	232	10 - 135	0	20
2,4-Dinitrotoluene		0.0543	mg/L	1	0.0800	0	68	13.6 - 152	10	20
Fluorene		0.0674	mg/L	1	0.0800	0	84	29.7 - 114	1	20
Pentachlorophenol		0.0286	mg/L	1	0.0800	0	36	10 - 144	7	20
Anthracene		0.0752	mg/L	1	0.0800	0	94	48.2 - 118	1	20
Phenanthrene		0.0715	mg/L	1	0.0800	0	89	45.5 - 121	1	20
Fluoranthene		0.0696	mg/L	1	0.0800	0	87	42.7 - 126	8	20
Pyrene		0.0678	mg/L	1	0.0800	0	85	26.8 - 155	4	20
Benzo(a)anthracene		0.0636	mg/L	1	0.0800	0	80	60.2 - 97.3	1	20
Chrysene		0.0652	mg/L	1	0.0800	0	82	56 - 92.4	1	20
Benzo(b)fluoranthene		0.0660	mg/L	1	0.0800	0	82	73.9 - 102	7	20
Benzo(k)fluoranthene		0.0718	mg/L	1	0.0800	0	90	45.6 - 143	4	20
Benzo(a)pyrene		0.0743	mg/L	1	0.0800	0	93	54.8 - 122	6	20
Indeno(1,2,3-cd)pyrene		0.0868	mg/L	1	0.0800	0	108	61.4 - 118	2	20
Dibenzo(a,h)anthracene		0.0832	mg/L	1	0.0800	0	104	64.9 - 118	3	20
Benzo(g,h,i)perylene		0.0849	mg/L	1	0.0800	0	106	46.8 - 129	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0281	0.0286	mg/L	1	0.0800	35	36	10 - 109
Phenol-d5	0.0239	0.0238	mg/L	1	0.0800	30	30	10 - 61.5
Nitrobenzene-d5	0.0749	0.0746	mg/L	1	0.0800	94	93	10 - 139
2-Fluorobiphenyl	0.0824	0.0781	mg/L	1	0.0800	103	98	10 - 139
2,4,6-Tribromophenol	0.0535	0.0540	mg/L	1	0.0800	67	68	10 - 161
Terphenyl-d14	0.0739	0.0761	mg/L	1	0.0800	92	95	10 - 144

Laboratory Control Spike (LCS-1)

QC Batch: 41744 Date Analyzed: 2007-10-04 Analyzed By: DS
Prep Batch: 36061 QC Preparation: 2007-10-01 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0155	mg/L	1	0.0800	0	19	10 - 46.1
2-Chlorophenol	0.0423	mg/L	1	0.0800	0	53	10 - 123
1,4-Dichlorobenzene (para)	0.0453	mg/L	1	0.0800	0	57	10 - 118
N-Nitrosodi-n-propylamine	0.0591	mg/L	1	0.0800	0	74	10 - 132
1,2,4-Trichlorobenzene	0.0554	mg/L	1	0.0800	0	69	10 - 130

continued ...

[9] N-Nitrosodi-n-propylamine out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[10] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene		0.0508	mg/L	1	0.0800	0	64	20.3 - 121
4-Chloro-3-methylphenol		0.0509	mg/L	1	0.0800	0	64	10 - 140
Acenaphthylene		0.0598	mg/L	1	0.0800	0	75	22.3 - 124
Acenaphthene		0.0552	mg/L	1	0.0800	0	69	18.8 - 134
Dibenzofuran		0.0631	mg/L	1	0.0800	0	79	37.5 - 102
4-Nitrophenol	[11]	0.151	mg/L	1	0.0800	0	189	10 - 135
2,4-Dinitrotoluene		0.0655	mg/L	1	0.0800	0	82	13.6 - 152
Fluorene		0.0643	mg/L	1	0.0800	0	80	29.7 - 114
Pentachlorophenol		0.0313	mg/L	1	0.0800	0	39	10 - 144
Anthracene		0.0605	mg/L	1	0.0800	0	76	48.2 - 118
Phenanthrene		0.0616	mg/L	1	0.0800	0	77	45.5 - 121
Fluoranthene		0.0633	mg/L	1	0.0800	0	79	42.7 - 126
Pyrene		0.0544	mg/L	1	0.0800	0	68	26.8 - 155
Benzo(a)anthracene		0.0572	mg/L	1	0.0800	0	72	60.2 - 97.3
Chrysene		0.0569	mg/L	1	0.0800	0	71	56 - 92.4
Benzo(b)fluoranthene	[12]	0.0568	mg/L	1	0.0800	0	71	73.9 - 102
Benzo(k)fluoranthene		0.0550	mg/L	1	0.0800	0	69	45.6 - 143
Benzo(a)pyrene		0.0587	mg/L	1	0.0800	0	73	54.8 - 122
Indeno(1,2,3-cd)pyrene		0.0641	mg/L	1	0.0800	0	80	61.4 - 118
Dibenzo(a,h)anthracene	[13]	0.0486	mg/L	1	0.0800	0	61	64.9 - 118
Benzo(g,h,i)perylene		0.0658	mg/L	1	0.0800	0	82	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		0.0160	mg/L	1	0.0800	0	20	10 - 46.1	3	20
2-Chlorophenol		0.0428	mg/L	1	0.0800	0	54	10 - 123	1	20
1,4-Dichlorobenzene (para)		0.0450	mg/L	1	0.0800	0	56	10 - 118	1	20
N-Nitrosodi-n-propylamine		0.0622	mg/L	1	0.0800	0	78	10 - 132	5	20
1,2,4-Trichlorobenzene		0.0539	mg/L	1	0.0800	0	67	10 - 130	3	20
Naphthalene		0.0502	mg/L	1	0.0800	0	63	20.3 - 121	1	20
4-Chloro-3-methylphenol		0.0476	mg/L	1	0.0800	0	60	10 - 140	7	20
Acenaphthylene		0.0593	mg/L	1	0.0800	0	74	22.3 - 124	1	20
Acenaphthene		0.0550	mg/L	1	0.0800	0	69	18.8 - 134	0	20
Dibenzofuran		0.0610	mg/L	1	0.0800	0	76	37.5 - 102	3	20
4-Nitrophenol	[14]	0.148	mg/L	1	0.0800	0	185	10 - 135	2	20
2,4-Dinitrotoluene		0.0639	mg/L	1	0.0800	0	80	13.6 - 152	2	20
Fluorene		0.0622	mg/L	1	0.0800	0	78	29.7 - 114	3	20
Pentachlorophenol		0.0314	mg/L	1	0.0800	0	39	10 - 144	0	20
Anthracene		0.0605	mg/L	1	0.0800	0	76	48.2 - 118	0	20
Phenanthrene		0.0613	mg/L	1	0.0800	0	77	45.5 - 121	0	20
Fluoranthene		0.0626	mg/L	1	0.0800	0	78	42.7 - 126	1	20
Pyrene		0.0531	mg/L	1	0.0800	0	66	26.8 - 155	2	20
Benzo(a)anthracene		0.0562	mg/L	1	0.0800	0	70	60.2 - 97.3	2	20
Chrysene		0.0558	mg/L	1	0.0800	0	70	56 - 92.4	2	20
Benzo(b)fluoranthene	[15]	0.0578	mg/L	1	0.0800	0	72	73.9 - 102	2	20

continued ...

[11] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[12] Benzo(b)fluoranthene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[13] Dibenzo(a,h)anthracene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[14] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[15] Benzo(b)fluoranthene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzo(k)fluoranthene		0.0557	mg/L	1	0.0800	0	70	45.6 - 143	1	20
Benzo(a)pyrene		0.0594	mg/L	1	0.0800	0	74	54.8 - 122	1	20
Indeno(1,2,3-cd)pyrene		0.0654	mg/L	1	0.0800	0	82	61.4 - 118	2	20
Dibenzo(a,h)anthracene	[16]	0.0498	mg/L	1	0.0800	0	62	64.9 - 118	2	20
Benzo(g,h,i)perylene		0.0671	mg/L	1	0.0800	0	84	46.8 - 129	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0196	0.0201	mg/L	1	0.0800	24	25	10 - 109
Phenol-d5	0.0136	0.0145	mg/L	1	0.0800	17	18	10 - 61.5
Nitrobenzene-d5	0.0555	0.0548	mg/L	1	0.0800	69	68	10 - 139
2-Fluorobiphenyl	0.0598	0.0634	mg/L	1	0.0800	75	79	10 - 139
2,4,6-Tribromophenol	0.0715	0.0681	mg/L	1	0.0800	89	85	10 - 161
Terphenyl-d14	0.0605	0.0600	mg/L	1	0.0800	76	75	10 - 144

Matrix Spike (MS-1) Spiked Sample: 136157

QC Batch: 41322 | Date Analyzed: 2007-09-19 | Analyzed By: DS
Prep Batch: 35704 | QC Preparation: 2007-09-18 | Prepared By: DS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.00969	mg/L	1	0.0800	0	12	10 - 53.2
2-Chlorophenol		0.0305	mg/L	1	0.0800	0	38	10 - 127
1,4-Dichlorobenzene (para)		0.0314	mg/L	1	0.0800	0	39	10 - 109
N-Nitrosodi-n-propylamine		0.0422	mg/L	1	0.0800	0	53	10 - 122
1,2,4-Trichlorobenzene		0.0321	mg/L	1	0.0800	0	40	10 - 121
Naphthalene		0.0342	mg/L	1	0.0800	0	43	16 - 95
4-Chloro-3-methylphenol		0.0315	mg/L	1	0.0800	0	39	10 - 193
Acenaphthylene		0.0450	mg/L	1	0.0800	0	56	16 - 95
Acenaphthene		0.0421	mg/L	1	0.0800	0	53	10 - 133
Dibenzofuran		0.0470	mg/L	1	0.0800	0	59	16 - 95
4-Nitrophenol	[17]	0.120	mg/L	1	0.0800	0	150	10 - 131
2,4-Dinitrotoluene		0.0650	mg/L	1	0.0800	0	81	10 - 163
Fluorene		0.0526	mg/L	1	0.0800	0	66	16 - 95
Pentachlorophenol		0.0259	mg/L	1	0.0800	0	32	10 - 163
Anthracene		0.0613	mg/L	1	0.0800	0	77	16 - 95
Phenanthrene		0.0620	mg/L	1	0.0800	0	78	16 - 95
Fluoranthene		0.0615	mg/L	1	0.0800	0	77	16 - 95
Pyrene		0.0593	mg/L	1	0.0800	0	74	17.6 - 146
Benzo(a)anthracene		0.0582	mg/L	1	0.0800	0	73	16 - 95
Chrysene		0.0573	mg/L	1	0.0800	0	72	16 - 95
Benzo(b)fluoranthene		0.0594	mg/L	1	0.0800	0	74	16 - 95
Benzo(k)fluoranthene		0.0556	mg/L	1	0.0800	0	70	16 - 95
Benzo(a)pyrene		0.0608	mg/L	1	0.0800	0	76	16 - 95

continued ...

[16] Dibenzo(a,h)anthracene out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[17] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Indeno(1,2,3-cd)pyrene	0.0662	mg/L	1	0.0800	0	83	16 - 95
Dibenzo(a,h)anthracene	0.0502	mg/L	1	0.0800	0	63	16 - 95
Benzo(g,h,i)perylene	0.0677	mg/L	1	0.0800	0	85	16 - 95

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.00915	mg/L	1	0.0800	0	11	10 - 53.2	6	20
2-Chlorophenol	0.0292	mg/L	1	0.0800	0	36	10 - 127	4	20
1,4-Dichlorobenzene (para)	0.0307	mg/L	1	0.0800	0	38	10 - 109	2	20
N-Nitrosodi-n-propylamine	0.0402	mg/L	1	0.0800	0	50	10 - 122	5	20
1,2,4-Trichlorobenzene	0.0309	mg/L	1	0.0800	0	39	10 - 121	4	20
Naphthalene	0.0330	mg/L	1	0.0800	0	41	16 - 95	4	20
4-Chloro-3-methylphenol	0.0312	mg/L	1	0.0800	0	39	10 - 193	1	20
Acenaphthylene	0.0433	mg/L	1	0.0800	0	54	16 - 95	4	20
Acenaphthene	0.0405	mg/L	1	0.0800	0	51	10 - 133	4	20
Dibenzofuran	0.0456	mg/L	1	0.0800	0	57	16 - 95	3	20
4-Nitrophenol [18]	0.118	mg/L	1	0.0800	0	148	10 - 131	2	20
2,4-Dinitrotoluene	0.0625	mg/L	1	0.0800	0	78	10 - 163	4	20
Fluorene	0.0503	mg/L	1	0.0800	0	63	16 - 95	4	20
Pentachlorophenol	0.0249	mg/L	1	0.0800	0	31	10 - 163	4	20
Anthracene	0.0592	mg/L	1	0.0800	0	74	16 - 95	4	20
Phenanthrene	0.0602	mg/L	1	0.0800	0	75	16 - 95	3	20
Fluoranthene	0.0586	mg/L	1	0.0800	0	73	16 - 95	5	20
Pyrene	0.0566	mg/L	1	0.0800	0	71	17.6 - 146	5	20
Benzo(a)anthracene	0.0562	mg/L	1	0.0800	0	70	16 - 95	4	20
Chrysene	0.0556	mg/L	1	0.0800	0	70	16 - 95	3	20
Benzo(b)fluoranthene	0.0574	mg/L	1	0.0800	0	72	16 - 95	3	20
Benzo(k)fluoranthene	0.0538	mg/L	1	0.0800	0	67	16 - 95	3	20
Benzo(a)pyrene	0.0583	mg/L	1	0.0800	0	73	16 - 95	4	20
Indeno(1,2,3-cd)pyrene	0.0638	mg/L	1	0.0800	0	80	16 - 95	4	20
Dibenzo(a,h)anthracene	0.0487	mg/L	1	0.0800	0	61	16 - 95	3	20
Benzo(g,h,i)perylene	0.0649	mg/L	1	0.0800	0	81	16 - 95	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0130	0.0121	mg/L	1	0.08	16	15	10 - 72.2
Phenol-d5	0.00870	0.00830	mg/L	1	0.08	11	10	10 - 50.2
Nitrobenzene-d5	0.0357	0.0343	mg/L	1	0.08	45	43	10 - 131
2-Fluorobiphenyl	0.0398	0.0382	mg/L	1	0.08	50	48	10 - 118
2,4,6-Tribromophenol	0.0517	0.0501	mg/L	1	0.08	65	63	10 - 181
Terphenyl-d14	0.0598	0.0579	mg/L	1	0.08	75	72	10 - 155

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41435 Date Analyzed: 2007-09-25 Analyzed By: DS
Prep Batch: 35805 QC Preparation: 2007-09-24 Prepared By: DS

[18] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0222	mg/L	1	0.0800	0	28	10 - 53.2
2-Chlorophenol		0.0625	mg/L	1	0.0800	0	78	10 - 127
1,4-Dichlorobenzene (para)		0.0560	mg/L	1	0.0800	0	70	10 - 109
N-Nitrosodi-n-propylamine		0.0974	mg/L	1	0.0800	0	122	10 - 122
1,2,4-Trichlorobenzene		0.0570	mg/L	1	0.0800	0	71	10 - 121
Naphthalene		0.0640	mg/L	1	0.0800	0	80	16 - 95
4-Chloro-3-methylphenol		0.0451	mg/L	1	0.0800	0	56	10 - 193
Acenaphthylene	[19]	0.0769	mg/L	1	0.0800	0	96	16 - 95
Acenaphthene		0.0713	mg/L	1	0.0800	0	89	10 - 133
Dibenzofuran		0.0752	mg/L	1	0.0800	0	94	16 - 95
4-Nitrophenol	[20]	0.195	mg/L	1	0.0800	0	244	10 - 131
2,4-Dinitrotoluene		0.0914	mg/L	1	0.0800	0	114	10 - 163
Fluorene	[21]	0.0768	mg/L	1	0.0800	0	96	16 - 95
Pentachlorophenol		0.0414	mg/L	1	0.0800	0	52	10 - 163
Anthracene		0.0730	mg/L	1	0.0800	0	91	16 - 95
Phenanthrene		0.0691	mg/L	1	0.0800	0	86	16 - 95
Fluoranthene		0.0730	mg/L	1	0.0800	0	91	16 - 95
Pyrene		0.0691	mg/L	1	0.0800	0	86	17.6 - 146
Benzo(a)anthracene		0.0640	mg/L	1	0.0800	0	80	16 - 95
Chrysene		0.0653	mg/L	1	0.0800	0	82	16 - 95
Benzo(b)fluoranthene		0.0652	mg/L	1	0.0800	0	82	16 - 95
Benzo(k)fluoranthene		0.0705	mg/L	1	0.0800	0	88	16 - 95
Benzo(a)pyrene		0.0743	mg/L	1	0.0800	0	93	16 - 95
Indeno(1,2,3-cd)pyrene	[22]	0.0794	mg/L	1	0.0800	0	99	16 - 95
Dibenzo(a,h)anthracene	[23]	0.0786	mg/L	1	0.0800	0	98	16 - 95
Benzo(g,h,i)perylene	[24]	0.0765	mg/L	1	0.0800	0	96	16 - 95

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		0.0222	mg/L	1	0.0800	0	28	10 - 53.2	0	20
2-Chlorophenol		0.0633	mg/L	1	0.0800	0	79	10 - 127	1	20
1,4-Dichlorobenzene (para)		0.0575	mg/L	1	0.0800	0	72	10 - 109	3	20
N-Nitrosodi-n-propylamine	[25]	0.0992	mg/L	1	0.0800	0	124	10 - 122	2	20
1,2,4-Trichlorobenzene		0.0575	mg/L	1	0.0800	0	72	10 - 121	1	20
Naphthalene		0.0654	mg/L	1	0.0800	0	82	16 - 95	2	20
4-Chloro-3-methylphenol		0.0564	mg/L	1	0.0800	0	70	10 - 193	22	20
Acenaphthylene	[26]	0.0794	mg/L	1	0.0800	0	99	16 - 95	3	20
Acenaphthene		0.0742	mg/L	1	0.0800	0	93	10 - 133	4	20
Dibenzofuran		0.0747	mg/L	1	0.0800	0	93	16 - 95	1	20
4-Nitrophenol	[27]	0.188	mg/L	1	0.0800	0	235	10 - 131	4	20
2,4-Dinitrotoluene		0.0710	mg/L	1	0.0800	0	89	10 - 163	25	20
Fluorene		0.0718	mg/L	1	0.0800	0	90	16 - 95	7	20

continued ...

[19] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[20] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •
[21] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[22] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[23] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[24] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[25] MSD analyte out of range. MS/MSD has an RPD within limits. Therefore, MS shows extraction occurred properly.
[26] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[27] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pentachlorophenol		0.0360	mg/L	1	0.0800	0	45	10 - 163	14	20
Anthracene		0.0748	mg/L	1	0.0800	0	94	16 - 95	2	20
Phenanthrene		0.0708	mg/L	1	0.0800	0	88	16 - 95	2	20
Fluoranthene		0.0685	mg/L	1	0.0800	0	86	16 - 95	6	20
Pyrene		0.0620	mg/L	1	0.0800	0	78	17.6 - 146	11	20
Benzo(a)anthracene		0.0636	mg/L	1	0.0800	0	80	16 - 95	1	20
Chrysene		0.0655	mg/L	1	0.0800	0	82	16 - 95	0	20
Benzo(b)fluoranthene		0.0713	mg/L	1	0.0800	0	89	16 - 95	9	20
Benzo(k)fluoranthene		0.0763	mg/L	1	0.0800	0	95	16 - 95	8	20
Benzo(a)pyrene	[28]	0.0798	mg/L	1	0.0800	0	100	16 - 95	7	20
Indeno(1,2,3-cd)pyrene	[29]	0.0859	mg/L	1	0.0800	0	107	16 - 95	8	20
Dibenzo(a,h)anthracene	[30]	0.0846	mg/L	1	0.0800	0	106	16 - 95	7	20
Benzo(g,h,i)perylene	[31]	0.0821	mg/L	1	0.0800	0	103	16 - 95	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0291	0.0293	mg/L	1	0.08	36	37	10 - 72.2
Phenol-d5	0.0237	0.0244	mg/L	1	0.08	30	30	10 - 50.2
Nitrobenzene-d5	0.0731	0.0742	mg/L	1	0.08	91	93	10 - 131
2-Fluorobiphenyl	0.0840	0.0820	mg/L	1	0.08	105	102	10 - 118
2,4,6-Tribromophenol	0.0795	0.0651	mg/L	1	0.08	99	81	10 - 181
Terphenyl-d14	0.0778	0.0707	mg/L	1	0.08	97	88	10 - 155

Matrix Spike (MS-1) Spiked Sample: 137456

QC Batch: 41744 Date Analyzed: 2007-10-04 Analyzed By: DS
Prep Batch: 36061 QC Preparation: 2007-10-01 Prepared By: DS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0156	mg/L	1	0.0800	0	20	10 - 53.2
2-Chlorophenol		0.0408	mg/L	1	0.0800	0	51	10 - 127
1,4-Dichlorobenzene (para)		0.0439	mg/L	1	0.0800	0	55	10 - 109
N-Nitrosodi-n-propylamine		0.0593	mg/L	1	0.0800	0	74	10 - 122
1,2,4-Trichlorobenzene		0.0552	mg/L	1	0.0800	0	69	10 - 121
Naphthalene		0.0504	mg/L	1	0.0800	0	63	16 - 95
4-Chloro-3-methylphenol		0.0531	mg/L	1	0.0800	0	66	10 - 193
Acenaphthylene		0.0594	mg/L	1	0.0800	0	74	16 - 95
Acenaphthene		0.0544	mg/L	1	0.0800	0	68	10 - 133
Dibenzofuran		0.0628	mg/L	1	0.0800	0	78	16 - 95
4-Nitrophenol	[32]	0.157	mg/L	1	0.0800	0	196	10 - 131
2,4-Dinitrotoluene		0.0666	mg/L	1	0.0800	0	83	10 - 163
Fluorene		0.0636	mg/L	1	0.0800	0	80	16 - 95

continued ...

[28] MSD analyte out of range. MS/MSD has an RPD within limits. Therefore, MS shows extraction occurred properly.
[29] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[30] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[31] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[32] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pentachlorophenol	0.0386	mg/L	1	0.0800	0	48	10 - 163
Anthracene	0.0628	mg/L	1	0.0800	0	78	16 - 95
Phenanthrene	0.0632	mg/L	1	0.0800	0	79	16 - 95
Fluoranthene	0.0664	mg/L	1	0.0800	0	83	16 - 95
Pyrene	0.0572	mg/L	1	0.0800	0	72	17.6 - 146
Benzo(a)anthracene	0.0610	mg/L	1	0.0800	0	76	16 - 95
Chrysene	0.0604	mg/L	1	0.0800	0	76	16 - 95
Benzo(b)fluoranthene	0.0612	mg/L	1	0.0800	0	76	16 - 95
Benzo(k)fluoranthene	0.0570	mg/L	1	0.0800	0	71	16 - 95
Benzo(a)pyrene	0.0622	mg/L	1	0.0800	0	78	16 - 95
Indeno(1,2,3-cd)pyrene	0.0695	mg/L	1	0.0800	0	87	16 - 95
Dibenzo(a,h)anthracene	0.0526	mg/L	1	0.0800	0	66	16 - 95
Benzo(g,h,i)perylene	0.0714	mg/L	1	0.0800	0	89	16 - 95

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0152	mg/L	1	0.0800	0	19	10 - 53.2	3	20
2-Chlorophenol	0.0395	mg/L	1	0.0800	0	49	10 - 127	3	20
1,4-Dichlorobenzene (para)	0.0428	mg/L	1	0.0800	0	54	10 - 109	2	20
N-Nitrosodi-n-propylamine	0.0587	mg/L	1	0.0800	0	73	10 - 122	1	20
1,2,4-Trichlorobenzene	0.0542	mg/L	1	0.0800	0	68	10 - 121	2	20
Naphthalene	0.0500	mg/L	1	0.0800	0	62	16 - 95	1	20
4-Chloro-3-methylphenol	0.0556	mg/L	1	0.0800	0	70	10 - 193	5	20
Acenaphthylene	0.0583	mg/L	1	0.0800	0	73	16 - 95	2	20
Acenaphthene	0.0537	mg/L	1	0.0800	0	67	10 - 133	1	20
Dibenzofuran	0.0609	mg/L	1	0.0800	0	76	16 - 95	3	20
4-Nitrophenol [33]	0.152	mg/L	1	0.0800	0	190	10 - 131	3	20
2,4-Dinitrotoluene	0.0632	mg/L	1	0.0800	0	79	10 - 163	5	20
Fluorene	0.0620	mg/L	1	0.0800	0	78	16 - 95	2	20
Pentachlorophenol	0.0351	mg/L	1	0.0800	0	44	10 - 163	10	20
Anthracene	0.0607	mg/L	1	0.0800	0	76	16 - 95	3	20
Phenanthrene	0.0617	mg/L	1	0.0800	0	77	16 - 95	2	20
Fluoranthene	0.0650	mg/L	1	0.0800	0	81	16 - 95	2	20
Pyrene	0.0561	mg/L	1	0.0800	0	70	17.6 - 146	2	20
Benzo(a)anthracene	0.0595	mg/L	1	0.0800	0	74	16 - 95	2	20
Chrysene	0.0590	mg/L	1	0.0800	0	74	16 - 95	2	20
Benzo(b)fluoranthene	0.0614	mg/L	1	0.0800	0	77	16 - 95	0	20
Benzo(k)fluoranthene	0.0567	mg/L	1	0.0800	0	71	16 - 95	0	20
Benzo(a)pyrene	0.0619	mg/L	1	0.0800	0	77	16 - 95	0	20
Indeno(1,2,3-cd)pyrene	0.0694	mg/L	1	0.0800	0	87	16 - 95	0	20
Dibenzo(a,h)anthracene	0.0523	mg/L	1	0.0800	0	65	16 - 95	1	20
Benzo(g,h,i)perylene	0.0714	mg/L	1	0.0800	0	89	16 - 95	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0195	0.0179	mg/L	1	0.08	24	22	10 - 72.2

continued . . .

[33] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Phenol-d5	0.0143	0.0138	mg/L	1	0.08	18	17	10 - 50.2
Nitrobenzene-d5	0.0555	0.0540	mg/L	1	0.08	69	68	10 - 131
2-Fluorobiphenyl	0.0596	0.0585	mg/L	1	0.08	74	73	10 - 118
2,4,6-Tribromophenol	0.0738	0.0700	mg/L	1	0.08	92	88	10 - 181
Terphenyl-d14	0.0645	0.0631	mg/L	1	0.08	81	79	10 - 155

Standard (CCV-1)

QC Batch: 41322 Date Analyzed: 2007-09-19 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	50.0	83	80 - 120	2007-09-19
1,4-Dichlorobenzene (para)		mg/L	60.0	59.5	99	80 - 120	2007-09-19
2-Nitrophenol		mg/L	60.0	66.7	111	80 - 120	2007-09-19
2,4-Dichlorophenol		mg/L	60.0	66.0	110	80 - 120	2007-09-19
Hexachlorobutadiene		mg/L	60.0	55.3	92	80 - 120	2007-09-19
4-Chloro-3-methylphenol		mg/L	60.0	67.6	113	80 - 120	2007-09-19
2,4,6-Trichlorophenol		mg/L	60.0	58.3	97	80 - 120	2007-09-19
Acenaphthene		mg/L	60.0	59.1	98	80 - 120	2007-09-19
Diphenylamine		mg/L	60.0	66.0	110	80 - 120	2007-09-19
Pentachlorophenol		mg/L	60.0	50.0	83	80 - 120	2007-09-19
Fluoranthene		mg/L	60.0	57.9	96	80 - 120	2007-09-19
Di-n-octylphthalate		mg/L	60.0	60.2	100	80 - 120	2007-09-19
Benzo(a)pyrene		mg/L	60.0	54.7	91	80 - 120	2007-09-19

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		53.5	mg/L	1	60.0	89	80 - 120
Phenol-d5		51.6	mg/L	1	60.0	86	80 - 120
Nitrobenzene-d5		60.5	mg/L	1	60.0	101	80 - 120
2-Fluorobiphenyl		53.3	mg/L	1	60.0	89	80 - 120
2,4,6-Tribromophenol		50.6	mg/L	1	60.0	84	80 - 120
Terphenyl-d14		56.9	mg/L	1	60.0	95	80 - 120

Standard (CCV-1)

QC Batch: 41435 Date Analyzed: 2007-09-25 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	68.9	115	80 - 120	2007-09-25
1,4-Dichlorobenzene (para)		mg/L	60.0	59.2	99	80 - 120	2007-09-25
2-Nitrophenol		mg/L	60.0	68.4	114	80 - 120	2007-09-25
2,4-Dichlorophenol		mg/L	60.0	64.6	108	80 - 120	2007-09-25
Hexachlorobutadiene		mg/L	60.0	52.8	88	80 - 120	2007-09-25
4-Chloro-3-methylphenol		mg/L	60.0	59.0	98	80 - 120	2007-09-25

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2,4,6-Trichlorophenol		mg/L	60.0	57.3	96	80 - 120	2007-09-25
Acenaphthene		mg/L	60.0	58.5	98	80 - 120	2007-09-25
Diphenylamine		mg/L	60.0	66.1	110	80 - 120	2007-09-25
Pentachlorophenol		mg/L	60.0	48.4	81	80 - 120	2007-09-25
Fluoranthene		mg/L	60.0	62.2	104	80 - 120	2007-09-25
Di-n-octylphthalate		mg/L	60.0	66.4	111	80 - 120	2007-09-25
Benzo(a)pyrene		mg/L	60.0	61.4	102	80 - 120	2007-09-25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		57.7	mg/L	1	60.0	96	80 - 120
Phenol-d5		63.9	mg/L	1	60.0	106	80 - 120
Nitrobenzene-d5		59.9	mg/L	1	60.0	100	80 - 120
2-Fluorobiphenyl		63.3	mg/L	1	60.0	106	80 - 120
2,4,6-Tribromophenol	[34]	38.5	mg/L	1	60.0	64	80 - 120
Terphenyl-d14		59.6	mg/L	1	60.0	99	80 - 120

Standard (CCV-1)

QC Batch: 41744 Date Analyzed: 2007-10-04 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	54.7	91	80 - 120	2007-10-04
1,4-Dichlorobenzene (para)		mg/L	60.0	59.0	98	80 - 120	2007-10-04
2-Nitrophenol		mg/L	60.0	64.1	107	80 - 120	2007-10-04
2,4-Dichlorophenol		mg/L	60.0	67.1	112	80 - 120	2007-10-04
Hexachlorobutadiene		mg/L	60.0	69.8	116	80 - 120	2007-10-04
4-Chloro-3-methylphenol		mg/L	60.0	66.6	111	80 - 120	2007-10-04
2,4,6-Trichlorophenol		mg/L	60.0	65.4	109	80 - 120	2007-10-04
Acenaphthene		mg/L	60.0	55.7	93	80 - 120	2007-10-04
Diphenylamine		mg/L	60.0	61.2	102	80 - 120	2007-10-04
Pentachlorophenol		mg/L	60.0	50.8	85	80 - 120	2007-10-04
Fluoranthene		mg/L	60.0	62.0	103	80 - 120	2007-10-04
Di-n-octylphthalate		mg/L	60.0	54.3	90	80 - 120	2007-10-04
Benzo(a)pyrene		mg/L	60.0	61.6	103	80 - 120	2007-10-04

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		51.5	mg/L	1	60.0	86	80 - 120
Phenol-d5		52.1	mg/L	1	60.0	87	80 - 120
Nitrobenzene-d5		58.8	mg/L	1	60.0	98	80 - 120
2-Fluorobiphenyl		57.3	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.0	mg/L	1	60.0	112	80 - 120
Terphenyl-d14		62.2	mg/L	1	60.0	104	80 - 120

[34] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 99.6% which is within acceptable range. This is acceptable by Method 8000.

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TDS	SM 2540C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	Sample Preparation:	2007-09-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**10800**	mg/L	1	5.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	Sample Preparation:	2007-09-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**18800**	mg/L	1	5.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	Sample Preparation:	2007-09-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**18200**	mg/L	1	5.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	Sample Preparation:	2007-09-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**5610**	mg/L	1	5.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	Sample Preparation:	2007-09-17	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**13900**	mg/L	1	5.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	Sample Preparation:	2007-09-17	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**14100**	mg/L	1	5.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41516	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35873	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**45400**	mg/L	1	5.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41516	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35873	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**46400**	mg/L	1	5.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41516	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35873	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**7230**	mg/L	1	5.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41516	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35873	Sample Preparation:	2007-09-20	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**51100**	mg/L	1	5.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41725	Date Analyzed:	2007-09-27	Analyzed By:	MD
Prep Batch:	36040	Sample Preparation:	2007-09-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**6960**	mg/L	1	5.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41725	Date Analyzed:	2007-09-27	Analyzed By:	MD
Prep Batch:	36040	Sample Preparation:	2007-09-27	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**17600**	mg/L	1	5.00

Method Blank (1) QC Batch: 41399

QC Batch:	41399	Date Analyzed:	2007-09-17	Analyzed By:	MD
Prep Batch:	35771	QC Preparation:	2007-09-17	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 41516

QC Batch:	41516	Date Analyzed:	2007-09-20	Analyzed By:	MD
Prep Batch:	35873	QC Preparation:	2007-09-20	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 41725

QC Batch: 41725 Date Analyzed: 2007-09-27 Analyzed By: MD
Prep Batch: 36040 QC Preparation: 2007-09-27 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Duplicates (1)

QC Batch: 41399 Date Analyzed: 2007-09-17 Analyzed By: MD
Prep Batch: 35771 QC Preparation: 2007-09-17 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	10700	10800	mg/L	1	1	20

Duplicates (1)

QC Batch: 41516 Date Analyzed: 2007-09-20 Analyzed By: MD
Prep Batch: 35873 QC Preparation: 2007-09-20 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	45600	45400	mg/L	1	0	20

Duplicates (1)

QC Batch: 41725 Date Analyzed: 2007-09-27 Analyzed By: MD
Prep Batch: 36040 QC Preparation: 2007-09-27 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	7160	6960	mg/L	1	3	20

Standard (ICV-1)

QC Batch: 41399 Date Analyzed: 2007-09-17 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	987	99	94.4 - 106	2007-09-17

Standard (CCV-1)

QC Batch: 41399 Date Analyzed: 2007-09-17 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-09-17

Standard (ICV-1)

QC Batch: 41516 Date Analyzed: 2007-09-20 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-09-20

Standard (CCV-1)

QC Batch: 41516 Date Analyzed: 2007-09-20 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	973	97	94.4 - 106	2007-09-20

Standard (ICV-1)

QC Batch: 41725 Date Analyzed: 2007-09-27 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	915	92	94.4 - 106	2007-09-27

Standard (CCV-1)

QC Batch: 41725 Date Analyzed: 2007-09-27 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	949	95	94.4 - 106	2007-09-27

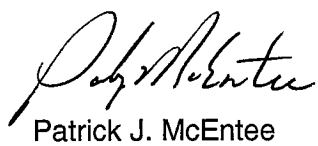
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Lot: D7I180315

Liz Givens

Trace Analysis, Inc.
6701 Aberdeen Avenue
Lubbock, TX 79424



Patrick J. McEntee
Project Manager

October 2, 2007

Case Narrative

The results included in this report have been reviewed for compliance with TestAmerica Denver's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the method indicated. A summary of quality control parameters is provided below.

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Quality Control Summary for Lot D7I180315

Sample Receiving

TestAmerica Denver received six aqueous samples under chain of custody on September 18, 2007.

The cooler temperature at receipt was acceptable at 3.4°C.

The sample containers were received intact.

Method EPA-DW1 314.0, Perchlorate

All samples were analyzed at a dilution due to matrix interference. The reporting limit is elevated relative to the dilution required.

MS/MSD analyses were performed on sample D&I180315-001 and were in control.

EXECUTIVE SUMMARY - Detection Highlights

D7I180315

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D7I180315

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Perchlorate	EPA-DW1 314.0	EPA 314.0

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

METHOD / ANALYST SUMMARY

D7I180315

ANALYTICAL METHOD	ANALYST	ANALYST ID
EPA-DW1 314.0	Dave Elkin	000901

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

SAMPLE SUMMARY

D7I180315

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J6410	001	136224-7	09/11/07	10:15
J6411	002	136425-7	09/12/07	12:15
J6415	003	136428-7	09/12/07	13:25
J6416	004	136429-7	09/12/07	13:25
J6418	005	136223-7	09/11/07	12:38
J6419	006	136218-7	09/11/07	14:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Trace Analysis Inc

Client Sample ID: 136224-7

General Chemistry

Lot-Sample #...: D7I180315-001 **Work Order #...:** J6410 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 20 Analysis Time..: 17:25 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136425-7

General Chemistry

Lot-Sample #...: D7I180315-002 **Work Order #...:** J6411 **Matrix.....:** WATER
Date Sampled...: 09/12/07 12:15 **Date Received..:** 09/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 20 Analysis Time..: 18:28 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136428-7

General Chemistry

Lot-Sample #...: D7I180315-003 **Work Order #...:** J6415 **Matrix.....:** WATER
Date Sampled...: 09/12/07 13:25 **Date Received..:** 09/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 10 Analysis Time..: 18:49 MDL.....: 2.8

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136429-7

General Chemistry

Lot-Sample #...: D7I180315-004 **Work Order #...:** J6416 **Matrix.....:** WATER
Date Sampled...: 09/12/07 13:25 **Date Received..:** 09/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/30/07	7274144
	Dilution Factor: 10			Analysis Time..: 19:10	MDL.....: 2.8	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136223-7

General Chemistry

Lot-Sample #...: D7I180315-005 **Work Order #...:** J6418 **Matrix.....:** WATER
Date Sampled...: 09/11/07 12:38 **Date Received..:** 09/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 20 Analysis Time..: 19:31 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136218-7

General Chemistry

Lot-Sample #...: D7I180315-006 **Work Order #...:** J6419 **Matrix.....:** WATER
Date Sampled...: 09/11/07 14:30 **Date Received..:** 09/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 10 Analysis Time..: 19:52 MDL.....: 2.8

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D7I180315

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	EPA-DW1 314.0		7274144	7274095
002	WATER	EPA-DW1 314.0		7274144	7274095
003	WATER	EPA-DW1 314.0		7274144	7274095
004	WATER	EPA-DW1 314.0		7274144	7274095
005	WATER	EPA-DW1 314.0		7274144	7274095
006	WATER	EPA-DW1 314.0		7274144	7274095

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7I180315 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		Work Order #: J705F1AA		MB Lot-Sample #:	D7J010000-144	
	ND	1.0	ug/L	EPA-DW1 314.0	09/30/07	7274144
		Dilution Factor: 1				
		Analysis Time..: 17:04				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7I180315 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J705F1AC-LCS/J705F1AD-LCSD LCS Lot-Sample#: D7J010000-144					
	101	(85 - 115)			EPA-DW1 314.0	09/30/07	7274144
	102	(85 - 115)	0.83	(0-15)	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1 Analysis Time..: 16:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7I180315 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	WO#:J705F1AC-LCS/J705F1AD-LCSD LCS Lot-Sample#: D7J010000-144							
	10.0	10.1	ug/L	101		EPA-DW1 314.0	09/30/07	7274144
	10.0	10.2	ug/L	102	0.83	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1 Analysis Time..: 16:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7I180315 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#: J64101AC-MS/J64101AD-MSD			MS Lot-Sample #: D7I180315-001		
	105	(80 - 120)			EPA-DW1 314.0	09/30/07	7274144
	102	(80 - 120)	3.4	(0-15)	EPA-DW1 314.0	09/30/07	7274144
		Dilution Factor: 1					
		Analysis Time..: 17:46					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7I180315 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate			WO#: J64101AC-MS/J64101AD-MSD		MS Lot-Sample #: D7I180315-001				
	ND	200	211	ug/L	105		EPA-DW1 314.0	09/30/07	7274144
	ND	200	203	ug/L	102	3.4	EPA-DW1 314.0	09/30/07	7274144
			Dilution Factor: 1						
			Analysis Time..: 17:46						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

3.4°c on ice

LAB Order ID # _____ Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296

5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313

200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: Phone #:

Address: (Street, City, Zip) Fax #:

Contact Person: E-mail:

Invoice to: (If different from above)

Project #: Project Name:

Project Location (including state): Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	~~135379~~			~~X~~										~~9/11/07~~	~~13:00~~
	136224-7			X										9/11/07	10:15
	136425-7			X										9/12/07	12:15
	136428-7			X										9/12/07	13:25
	136429-7			X										9/12/07	13:25
	136223-7			X										9/11/07	12:38
	136218-7			X										9/11/07	14:30

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Ammonium per 314.0	Turn Around Time if different from standard	Hold
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]		091707	1000	[signature]		9/18/07	0830	3.4
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-In-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier # _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Lot: D7I210238

Liz Givens

Trace Analysis, Inc.
6701 Aberdeen Avenue
Lubbock, TX 79424

Patrick J. McEntee
Project Manager

October 2, 2007

Case Narrative

The results included in this report have been reviewed for compliance with TestAmerica Denver's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the method indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D7I210238

Sample Receiving

TestAmerica Denver received three aqueous samples under chain of custody on September 21, 2007.

The cooler temperature at receipt was acceptable at 3.1°C.

The sample containers were received intact.

Method EPA-DW1 314.0, Perchlorate

All samples were analyzed at a dilution due to matrix interference. The reporting limit is elevated relative to the dilution required.

MS/MSD analyses were performed on a sample from another lot and were in control.

EXECUTIVE SUMMARY - Detection Highlights

D7I210238

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D7I210238

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Perchlorate	EPA-DW1 314.0	EPA 314.0

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

METHOD / ANALYST SUMMARY

D7I210238

ANALYTICAL METHOD	ANALYST	ANALYST ID
EPA-DW1 314.0	Dave Elkin	000901

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

SAMPLE SUMMARY

D7I210238

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J7D05	001	136892-6	09/17/07	12:00
J7D09	002	136893-6	09/17/07	12:00
J7D1A	003	136954-15&16	09/18/07	12:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Trace Analysis Inc

Client Sample ID: 136892-6

General Chemistry

Lot-Sample #...: D7I210238-001 **Work Order #...:** J7D05 **Matrix.....:** WATER
Date Sampled...: 09/17/07 12:00 **Date Received..:** 09/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 20 Analysis Time..: 20:13 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136893-6

General Chemistry

Lot-Sample #...: D7I210238-002 **Work Order #...:** J7D09 **Matrix.....:** WATER
Date Sampled...: 09/17/07 12:00 **Date Received..:** 09/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 20 Analysis Time..: 20:34 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 136954-15&16

General Chemistry

Lot-Sample #...: D7I210238-003 **Work Order #...:** J7D1A **Matrix.....:** WATER
Date Sampled...: 09/18/07 12:50 **Date Received..:** 09/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	5.0	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 5 Analysis Time..: 21:37 MDL.....: 1.4

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D7I210238

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	EPA-DW1 314.0		7274144	7274095
002	WATER	EPA-DW1 314.0		7274144	7274095
003	WATER	EPA-DW1 314.0		7274144	7274095

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7I210238 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		Work Order #: J705F1AA		MB Lot-Sample #:	D7J010000-144	
	ND	1.0	ug/L	EPA-DW1 314.0	09/30/07	7274144
		Dilution Factor: 1				
		Analysis Time..: 17:04				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7I210238 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J705F1AC-LCS/J705F1AD-LCSD				LCS Lot-Sample#: D7J010000-144	
	101	(85 - 115)			EPA-DW1 314.0	09/30/07	7274144
	102	(85 - 115)	0.83	(0-15)	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1 Analysis Time..: 16:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7I210238 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J705F1AC-LCS/J705F1AD-LCSD LCS Lot-Sample#: D7J010000-144						
	10.0	10.1	ug/L	101		EPA-DW1 314.0	09/30/07	7274144
	10.0	10.2	ug/L	102	0.83	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1 Analysis Time..: 16:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7I210238 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#: J64101AC-MS/J64101AD-MSD			MS Lot-Sample #: D7I180315-001		
	105	(80 - 120)			EPA-DW1 314.0	09/30/07	7274144
	102	(80 - 120)	3.4	(0-15)	EPA-DW1 314.0	09/30/07	7274144
		Dilution Factor: 1					
		Analysis Time..: 17:46					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7I210238 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate			WO#: J64101AC-MS/J64101AD-MSD				MS Lot-Sample #: D7I180315-001		
	ND	200	211	ug/L	105		EPA-DW1 314.0	09/30/07	7274144
	ND	200	203	ug/L	102	3.4	EPA-DW1 314.0	09/30/07	7274144
			Dilution Factor: 1						
			Analysis Time..: 17:46						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

3.1°C 9/21/07 IR LAB Order ID # _____ Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: _____ Phone #: _____

Address: (Street, City, Zip) _____ Fax #: _____

Contact Person: _____ E-mail: _____

Invoice to: (If different from above) _____

Project #: _____ Project Name: _____

Project Location (including state): _____ Sampler Signature: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	136892-6	1		X										9/17/07	12:00
	136893-6	1		X										9/17/07	12:00
	136954-15416	2		X										9/18/07	12:50

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Amm. Perch.			Turn Around Time if different from standard	Hold
																	X				
																	X				
																	X				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Brenda Ward	Trace Lubbock	9/20/07	2:30 pm	[signature]	TA	9/21/07	0900	3.1°

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Lot: D7I280249

Liz Givens

Trace Analysis, Inc.
6701 Aberdeen Avenue
Lubbock, TX 79424

Patrick J. McEntee
Project Manager

October 2, 2007

Case Narrative

The results included in this report have been reviewed for compliance with TestAmerica Denver's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the method indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D7I280249

Sample Receiving

TestAmerica Denver received three aqueous samples under chain of custody on September 28, 2007.

The cooler temperature at receipt was acceptable at 2.7°C.

The sample containers were received intact.

Custody seals were not present on the sample cooler.

Method EPA-DW1 314.0, Perchlorate

All samples were analyzed at a dilution due to matrix interference. The reporting limit is elevated relative to the dilution required.

MS/MSD analyses were performed on a sample from another lot and were in control.

EXECUTIVE SUMMARY - Detection Highlights

D7I280249

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D7I280249

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Perchlorate	EPA-DW1 314.0	EPA 314.0

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

METHOD / ANALYST SUMMARY

D7I280249

ANALYTICAL METHOD	ANALYST	ANALYST ID
EPA-DW1 314.0	Dave Elkin	000901

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

SAMPLE SUMMARY

D7I280249

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J7WJH	001	137212-6	09/20/07	12:43
J7WJR	002	137363-6	09/24/07	13:00
J7WJV	003	137368-6	09/24/07	10:24

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Trace Analysis Inc

Client Sample ID: 137212-6

General Chemistry

Lot-Sample #...: D7I280249-001 **Work Order #...:** J7WJH **Matrix.....:** WATER
Date Sampled...: 09/20/07 12:43 **Date Received..:** 09/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 20 Analysis Time..: 21:58 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 137363-6

General Chemistry

Lot-Sample #...: D7I280249-002 **Work Order #...:** J7WJR **Matrix.....:** WATER
Date Sampled...: 09/24/07 13:00 **Date Received..:** 09/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	5.0	ug/L	EPA-DW1 314.0	09/30/07	7274144
	Dilution Factor: 5			Analysis Time..: 22:19	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 137368-6

General Chemistry

Lot-Sample #...: D7I280249-003 **Work Order #...:** J7WJV **Matrix.....:** WATER
Date Sampled...: 09/24/07 10:24 **Date Received..:** 09/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/30/07	7274144
	Dilution Factor: 20			Analysis Time..: 22:40	MDL.....: 5.5	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D7I280249

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	EPA-DW1 314.0		7274144	7274095
002	WATER	EPA-DW1 314.0		7274144	7274095
003	WATER	EPA-DW1 314.0		7274144	7274095

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7I280249 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		Work Order #: J705F1AA		MB Lot-Sample #:	D7J010000-144	
	ND	1.0	ug/L	EPA-DW1 314.0	09/30/07	7274144
		Dilution Factor: 1				
		Analysis Time..: 17:04				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7I280249 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J705F1AC-LCS/J705F1AD-LCSD			LCS Lot-Sample#: D7J010000-144		
	101	(85 - 115)			EPA-DW1 314.0	09/30/07	7274144
	102	(85 - 115)	0.83	(0-15)	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1 Analysis Time..: 16:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7I280249 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J705F1AC-LCS/J705F1AD-LCSD LCS Lot-Sample#: D7J010000-144						
	10.0	10.1	ug/L	101		EPA-DW1 314.0	09/30/07	7274144
	10.0	10.2	ug/L	102	0.83	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1 Analysis Time..: 16:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7I280249 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#: J64101AC-MS/J64101AD-MSD				MS Lot-Sample #: D7I180315-001	
	105	(80 - 120)			EPA-DW1 314.0	09/30/07	7274144
	102	(80 - 120)	3.4	(0-15)	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1
Analysis Time..: 17:46

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7I280249 **Matrix.....:** WATER
Date Sampled...: 09/11/07 10:15 **Date Received..:** 09/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate			WO#: J64101AC-MS/J64101AD-MSD				MS Lot-Sample #: D7I180315-001		
	ND	200	211	ug/L	105		EPA-DW1 314.0	09/30/07	7274144
	ND	200	203	ug/L	102	3.4	EPA-DW1 314.0	09/30/07	7274144

Dilution Factor: 1
Analysis Time..: 17:46

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LAB Order ID #: _____ Page _____ of _____

TraceAnalysis, Inc.

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Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: _____ Phone #: _____

Address: (Street, City, Zip) _____ Fax #: _____

Contact Person: L B Owens E-mail: _____

Invoice to: (If different from above) _____

Project #: _____ Project Name: _____

Project Location (including state): _____ Sampler Signature: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	137212-6	1		X									X	9/20/07	12:43
	137363 6	1		X									X	9/24/07	13:00
	137368-6	1		X									X	9/24/07	10:24

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Ammonium Peachbelt					Turn Around Time if different from standard	Hold
																	X							
																	X							
																	X							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Brenda Ward	TRACE LUBBOCK	9/27/07	2:30 pm		TADEN	9-27-07	0815	

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review _____

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # _____

ORIGINAL COPY

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TOC	E 415.1

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41165	Date Analyzed:	2007-09-18	Analyzed By:	AL
Prep Batch:	35582	Sample Preparation:	2007-09-18	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**1.93**		mg/L	1	1.00

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41165	Date Analyzed:	2007-09-18	Analyzed By:	AL
Prep Batch:	35582	Sample Preparation:	2007-09-18	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**2.40**		mg/L	1	1.00

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41165	Date Analyzed:	2007-09-18	Analyzed By:	AL
Prep Batch:	35582	Sample Preparation:	2007-09-18	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**2.44**		mg/L	1	1.00

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41412	Date Analyzed:	2007-09-24	Analyzed By:	AL
Prep Batch:	35782	Sample Preparation:	2007-09-24	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**2.75**		mg/L	1	1.00

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41412	Date Analyzed:	2007-09-24	Analyzed By:	AL
Prep Batch:	35782	Sample Preparation:	2007-09-24	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**2.07**	mg/L	1	1.00

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41412	Date Analyzed:	2007-09-24	Analyzed By:	AL
Prep Batch:	35782	Sample Preparation:	2007-09-24	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**2.03**	mg/L	1	1.00

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41448	Date Analyzed:	2007-09-25	Analyzed By:	AL
Prep Batch:	35814	Sample Preparation:	2007-09-25	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**11.9**	mg/L	1	1.00

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41448	Date Analyzed:	2007-09-25	Analyzed By:	AL
Prep Batch:	35814	Sample Preparation:	2007-09-25	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**6.94**	mg/L	1	1.00

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41448	Date Analyzed:	2007-09-25	Analyzed By:	AL
Prep Batch:	35814	Sample Preparation:	2007-09-25	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**1.88**	mg/L	1	1.00

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41448	Date Analyzed:	2007-09-25	Analyzed By:	AL
Prep Batch:	35814	Sample Preparation:	2007-09-25	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**5.90**	mg/L	1	1.00

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41634	Date Analyzed:	2007-10-02	Analyzed By:	AL
Prep Batch:	35978	Sample Preparation:	2007-10-02	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**1.75**	mg/L	1	1.00

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41634	Date Analyzed:	2007-10-02	Analyzed By:	AL
Prep Batch:	35978	Sample Preparation:	2007-10-02	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**2.62**	mg/L	1	1.00

Method Blank (1) QC Batch: 41165

QC Batch:	41165	Date Analyzed:	2007-09-18	Analyzed By:	AL
Prep Batch:	35582	QC Preparation:	2007-09-18	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 41412

QC Batch:	41412	Date Analyzed:	2007-09-24	Analyzed By:	AL
Prep Batch:	35782	QC Preparation:	2007-09-24	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 41448

QC Batch:	41448	Date Analyzed:	2007-09-25	Analyzed By:	AL
Prep Batch:	35814	QC Preparation:	2007-09-25	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 41634

QC Batch:	41634	Date Analyzed:	2007-10-02	Analyzed By:	AL
Prep Batch:	35978	QC Preparation:	2007-10-02	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch:	41165	Date Analyzed:	2007-09-18	Analyzed By:	AL
Prep Batch:	35582	QC Preparation:	2007-09-18	Prepared By:	AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	4.96	mg/L	1	5.00	<0.382	99	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.33	mg/L	1	5.00	<0.382	107	70 - 130	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	41412	Date Analyzed:	2007-09-24	Analyzed By:	AL
Prep Batch:	35782	QC Preparation:	2007-09-24	Prepared By:	AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.26	mg/L	1	5.00	<0.382	105	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	4.74	mg/L	1	5.00	<0.382	95	70 - 130	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41448 | Date Analyzed: 2007-09-25 | Analyzed By: AL
Prep Batch: 35814 | QC Preparation: 2007-09-25 | Prepared By: AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.97	mg/L	1	5.00	<0.382	119	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.88	mg/L	1	5.00	<0.382	118	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41634 | Date Analyzed: 2007-10-02 | Analyzed By: AL
Prep Batch: 35978 | QC Preparation: 2007-10-02 | Prepared By: AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.52	mg/L	1	5.00	<0.382	110	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.46	mg/L	1	5.00	<0.382	109	70 - 130	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136224

QC Batch: 41165 | Date Analyzed: 2007-09-18 | Analyzed By: AL
Prep Batch: 35582 | QC Preparation: 2007-09-18 | Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	8.01	mg/L	1	5.00	2.44	111	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	7.74	mg/L	1	5.00	2.44	106	70 - 130	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136525

QC Batch: 41412 | Date Analyzed: 2007-09-24 | Analyzed By: AL
Prep Batch: 35782 | QC Preparation: 2007-09-24 | Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	9.63	mg/L	1	5.00	4.45	104	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	9.43	mg/L	1	5.00	4.45	100	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137212

QC Batch: 41448 Date Analyzed: 2007-09-25 Analyzed By: AL
Prep Batch: 35814 QC Preparation: 2007-09-25 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	12.2	mg/L	1	5.00	5.9	126	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	11.7	mg/L	1	5.00	5.9	116	70 - 130	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137698

QC Batch: 41634 Date Analyzed: 2007-10-02 Analyzed By: AL
Prep Batch: 35978 QC Preparation: 2007-10-02 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon [1]	2.39	mg/L	1	5.00	2.66	-5	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon [2]	2.79	mg/L	1	5.00	2.66	3	70 - 130	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 41165 Date Analyzed: 2007-09-18 Analyzed By: AL

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.18	104	80 - 120	2007-09-18

Standard (CCV-1)

QC Batch: 41165 Date Analyzed: 2007-09-18 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.31	106	80 - 120	2007-09-18

Standard (ICV-1)

QC Batch: 41412 Date Analyzed: 2007-09-24 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.38	108	80 - 120	2007-09-24

Standard (CCV-1)

QC Batch: 41412 Date Analyzed: 2007-09-24 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.24	105	80 - 120	2007-09-24

Standard (ICV-1)

QC Batch: 41448 Date Analyzed: 2007-09-25 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.35	107	80 - 120	2007-09-25

Standard (CCV-1)

QC Batch: 41448 Date Analyzed: 2007-09-25 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.54	111	80 - 120	2007-09-25

Standard (ICV-1)

QC Batch: 41634 Date Analyzed: 2007-10-02 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.03	101	80 - 120	2007-10-02

Standard (CCV-1)

QC Batch: 41634 Date Analyzed: 2007-10-02 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.17	103	80 - 120	2007-10-02

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 143 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Be, Total	S 6010B
Cd, Total	S 6010B
Co, Total	S 6010B
Cr, Total	S 6010B
Cu, Total	S 6010B
Hg, Total	S 7470A
Ni, Total	S 6010B
Pb, Total	S 6010B
Sb, Total	S 6010B
Se, Total	S 6010B
Sn, Total	S 6010B
Tl, Total	S 6010B
V, Total	S 6010B
Zn, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0110**	mg/L	1	0.0100

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.0530**	mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41082	Date Analyzed:	2007-09-14	Analyzed By:	TP
Prep Batch:	35487	Sample Preparation:	2007-09-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Nickel		<0.00500		mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Lead		<0.0100		mg/L	1	0.0100

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Antimony		<0.0500		mg/L	1	0.0500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Selenium		**0.0600**		mg/L	1	0.0200

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Tin		<0.0250		mg/L	1	0.0250

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0290**	mg/L	1	0.00500

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0120**	mg/L	1	0.0100

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41082	Date Analyzed:	2007-09-14	Analyzed By:	TP
Prep Batch:	35487	Sample Preparation:	2007-09-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.113**	mg/L	1	0.0200

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00600**	mg/L	1	0.00500

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0110**	mg/L	1	0.0100

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.635**	mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41082	Date Analyzed:	2007-09-14	Analyzed By:	TP
Prep Batch:	35487	Sample Preparation:	2007-09-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		**0.000220**	mg/L	1	0.000200

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.108**	mg/L	1	0.0200

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Vanadium		**0.0190**		mg/L	1	0.00500

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	Sample Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		<0.0100		mg/L	1	0.0100

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Arsenic		<0.00500		mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		<0.0100		mg/L	1	0.0100

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41442	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35767	Sample Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0200	mg/L	1	0.0200

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0280**	mg/L	1	0.00500

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0180**	mg/L	1	0.0100

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		<0.0100	mg/L	1	0.0100

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.157**	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		**0.00900**	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41442	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35767	Sample Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.0440**	mg/L	1	0.0200

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0340**	mg/L	1	0.00500

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0130**	mg/L	1	0.0100

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		<0.0100	mg/L	1	0.0100

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.158**	mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41442	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35767	Sample Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Nickel		<0.00500		mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Lead		<0.0100		mg/L	1	0.0100

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Antimony		<0.0500		mg/L	1	0.0500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Selenium		**0.0520**		mg/L	1	0.0200

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Tin		<0.0250		mg/L	1	0.0250

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0340**	mg/L	1	0.00500

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	Sample Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0140**	mg/L	1	0.0100

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0110**	mg/L	1	0.0100

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41441	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35769	Sample Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.301**	mg/L	1	0.0200

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0110**	mg/L	1	0.0100

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41441	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35769	Sample Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.295**	mg/L	1	0.0200

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00800**	mg/L	1	0.00500

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	Sample Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0100**	mg/L	1	0.0100

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41449	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35767	Sample Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0200	mg/L	1	0.0200

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0200**	mg/L	1	0.00500

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0100**	mg/L	1	0.0100

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.866**	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		**0.0700**	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41644	Date Analyzed:	2007-10-02	Analyzed By:	TP
Prep Batch:	35984	Sample Preparation:	2007-10-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		**0.366**	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.247**	mg/L	1	0.0200

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.00500**	mg/L	1	0.00500

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	Sample Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		<0.0100		mg/L	1	0.0100

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Arsenic		<0.00500		mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		**0.0340**		mg/L	1	0.0100

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Beryllium		<0.00250		mg/L	1	0.00250

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.0130**	mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41644	Date Analyzed:	2007-10-02	Analyzed By:	TP
Prep Batch:	35984	Sample Preparation:	2007-10-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0200	mg/L	1	0.0200

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0150**	mg/L	1	0.00500

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		**0.0350**	mg/L	1	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		<0.0100	mg/L	1	0.0100

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**4.73**	mg/L	10	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		**0.0230**	mg/L	1	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41644	Date Analyzed:	2007-10-02	Analyzed By:	TP
Prep Batch:	35984	Sample Preparation:	2007-10-02	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		**0.106**	mg/L	1	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		**0.113**	mg/L	1	0.0500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.111**	mg/L	1	0.0200

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0380**	mg/L	1	0.00500

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	Sample Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 41082

QC Batch:	41082	Date Analyzed:	2007-09-14	Analyzed By:	TP
Prep Batch:	35487	QC Preparation:	2007-09-13	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 41136

QC Batch:	41136	Date Analyzed:	2007-09-17	Analyzed By:	RR
Prep Batch:	35490	QC Preparation:	2007-09-14	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 41179

QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	QC Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 41179

QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	QC Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 41179

QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	QC Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 41179

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 41179

QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	QC Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 41179

QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	QC Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 41179

QC Batch:	41179	Date Analyzed:	2007-09-18	Analyzed By:	RR
Prep Batch:	35567	QC Preparation:	2007-09-17	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 41309

QC Batch:	41309	Date Analyzed:	2007-09-20	Analyzed By:	RR
Prep Batch:	35673	QC Preparation:	2007-09-20	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 41441

QC Batch:	41441	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35769	QC Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 41442

QC Batch:	41442	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35767	QC Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 41449

QC Batch:	41449	Date Analyzed:	2007-09-25	Analyzed By:	TP
Prep Batch:	35767	QC Preparation:	2007-09-24	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 41507

QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	QC Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 41507

QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	QC Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 41507

QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	QC Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 41507

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 41507

QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	QC Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 41507

QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	QC Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 41507

QC Batch:	41507	Date Analyzed:	2007-09-27	Analyzed By:	RR
Prep Batch:	35792	QC Preparation:	2007-09-25	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 41644

QC Batch:	41644	Date Analyzed:	2007-10-02	Analyzed By:	TP
Prep Batch:	35984	QC Preparation:	2007-10-02	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 41692

QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	QC Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 41692

QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	QC Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 41692

QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	QC Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 41692

QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	QC Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 41692

QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	QC Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 41692

QC Batch:	41692	Date Analyzed:	2007-10-03	Analyzed By:	RR
Prep Batch:	35895	QC Preparation:	2007-09-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 41692

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 41692

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 41692

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 41692

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 41692

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 41692

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 41692

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 41692

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 41692

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 41692

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 41082 Date Analyzed: 2007-09-14 Analyzed By: TP
Prep Batch: 35487 QC Preparation: 2007-09-13 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.123	mg/L	1	0.125	<0.00210	98	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.123	mg/L	1	0.125	<0.00210	98	87.2 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.475	mg/L	1	0.500	<0.00430	95	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.475	mg/L	1	0.500	<0.00430	95	81.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.00	mg/L	1	1.00	<0.00170	100	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.995	mg/L	1	1.00	<0.00170	100	88.7 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0248	mg/L	1	0.0250	<0.00220	99	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.1 - 117	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.239	mg/L	1	0.250	<0.00140	96	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.239	mg/L	1	0.250	<0.00140	96	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.256	mg/L	1	0.250	<0.00220	102	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.256	mg/L	1	0.250	<0.00220	102	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.125	mg/L	1	0.125	<0.00140	100	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.125	mg/L	1	0.125	<0.00140	100	91.2 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.255	mg/L	1	0.250	<0.00190	102	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.256	mg/L	1	0.250	<0.00190	102	86.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.499	mg/L	1	0.500	<0.00740	100	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.501	mg/L	1	0.500	<0.00740	100	88 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.257	mg/L	1	0.250	<0.0166	103	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.257	mg/L	1	0.250	<0.0166	103	79.4 - 114	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.415	mg/L	1	0.500	<0.0131	83	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.414	mg/L	1	0.500	<0.0131	83	70.2 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.289	mg/L	1	0.300	<0.0124	96	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.289	mg/L	1	0.300	<0.0124	96	77.9 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.481	mg/L	1	0.500	<0.0189	96	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.476	mg/L	1	0.500	<0.0189	95	81.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.236	mg/L	1	0.250	<0.00150	94	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.237	mg/L	1	0.250	<0.00150	95	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.242	mg/L	1	0.250	<0.00710	97	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.242	mg/L	1	0.250	<0.00710	97	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.124	mg/L	1	0.125	<0.00210	99	87.2 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.486	mg/L	1	0.500	<0.00430	97	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.491	mg/L	1	0.500	<0.00430	98	81.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.993	mg/L	1	1.00	<0.00170	99	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.984	mg/L	1	1.00	<0.00170	98	88.7 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.250	mg/L	1	0.250	<0.00140	100	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.248	mg/L	1	0.250	<0.00140	99	83.4 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.264	mg/L	1	0.250	<0.00220	106	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.261	mg/L	1	0.250	<0.00220	104	91 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.127	mg/L	1	0.125	<0.00140	102	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.127	mg/L	1	0.125	<0.00140	102	91.2 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.266	mg/L	1	0.250	<0.00190	106	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.264	mg/L	1	0.250	<0.00190	106	86.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.503	mg/L	1	0.500	<0.00740	101	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.490	mg/L	1	0.500	<0.00740	98	88 - 108	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.242	mg/L	1	0.250	<0.0166	97	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.233	mg/L	1	0.250	<0.0166	93	79.4 - 114	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.431	mg/L	1	0.500	<0.0131	86	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.425	mg/L	1	0.500	<0.0131	85	70.2 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.302	mg/L	1	0.300	<0.0124	101	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.299	mg/L	1	0.300	<0.0124	100	77.9 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.487	mg/L	1	0.500	<0.0189	97	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.484	mg/L	1	0.500	<0.0189	97	81.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.252	mg/L	1	0.250	<0.00150	101	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.246	mg/L	1	0.250	<0.00150	98	85.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.250	mg/L	1	0.250	<0.00710	100	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.249	mg/L	1	0.250	<0.00710	100	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	87.2 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.475	mg/L	1	0.500	<0.00430	95	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.474	mg/L	1	0.500	<0.00430	95	81.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.01	mg/L	1	1.00	<0.00170	101	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.01	mg/L	1	1.00	<0.00170	101	88.7 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.1 - 117	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.248	mg/L	1	0.250	<0.00140	99	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.249	mg/L	1	0.250	<0.00140	100	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.266	mg/L	1	0.250	<0.00220	106	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.264	mg/L	1	0.250	<0.00220	106	91 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.131	mg/L	1	0.125	<0.00140	105	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.131	mg/L	1	0.125	<0.00140	105	91.2 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.265	mg/L	1	0.250	<0.00190	106	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.265	mg/L	1	0.250	<0.00190	106	86.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.501	mg/L	1	0.500	<0.00740	100	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.508	mg/L	1	0.500	<0.00740	102	88 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.232	mg/L	1	0.250	<0.0166	93	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.232	mg/L	1	0.250	<0.0166	93	79.4 - 114	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.449	mg/L	1	0.500	<0.0131	90	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.440	mg/L	1	0.500	<0.0131	88	70.2 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.297	mg/L	1	0.300	<0.0124	99	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.299	mg/L	1	0.300	<0.0124	100	77.9 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.485	mg/L	1	0.500	<0.0189	97	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.490	mg/L	1	0.500	<0.0189	98	81.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.241	mg/L	1	0.250	<0.00150	96	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.239	mg/L	1	0.250	<0.00150	96	85.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.256	mg/L	1	0.250	<0.00710	102	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.255	mg/L	1	0.250	<0.00710	102	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41441 Date Analyzed: 2007-09-25 Analyzed By: TP
Prep Batch: 35769 QC Preparation: 2007-09-24 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000336	104	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41442 Date Analyzed: 2007-09-25 Analyzed By: TP
Prep Batch: 35767 QC Preparation: 2007-09-24 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000336	104	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41449 Date Analyzed: 2007-09-25 Analyzed By: TP
Prep Batch: 35767 QC Preparation: 2007-09-24 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000336	104	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.116	mg/L	1	0.125	<0.00210	93	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.117	mg/L	1	0.125	<0.00210	94	87.2 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.484	mg/L	1	0.500	<0.00430	97	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.501	mg/L	1	0.500	<0.00430	100	81.9 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.984	mg/L	1	1.00	<0.00170	98	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.00	mg/L	1	1.00	<0.00170	100	88.7 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0253	mg/L	1	0.0250	<0.00220	101	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0257	mg/L	1	0.0250	<0.00220	103	78.1 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.244	mg/L	1	0.250	<0.00140	98	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.243	mg/L	1	0.250	<0.00140	97	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.257	mg/L	1	0.250	<0.00220	103	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.261	mg/L	1	0.250	<0.00220	104	91 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	86.5 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.124	mg/L	1	0.125	<0.00140	99	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.126	mg/L	1	0.125	<0.00140	101	91.2 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.257	mg/L	1	0.250	<0.00190	103	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.262	mg/L	1	0.250	<0.00190	105	86.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.495	mg/L	1	0.500	<0.00740	99	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.502	mg/L	1	0.500	<0.00740	100	88 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.239	mg/L	1	0.250	<0.0166	96	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.249	mg/L	1	0.250	<0.0166	100	79.4 - 114	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.411	mg/L	1	0.500	<0.0131	82	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.418	mg/L	1	0.500	<0.0131	84	70.2 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.288	mg/L	1	0.300	<0.0124	96	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.291	mg/L	1	0.300	<0.0124	97	77.9 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.471	mg/L	1	0.500	<0.0189	94	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.476	mg/L	1	0.500	<0.0189	95	81.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.244	mg/L	1	0.250	<0.00150	98	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.249	mg/L	1	0.250	<0.00150	100	85.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.251	mg/L	1	0.250	<0.00710	100	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.255	mg/L	1	0.250	<0.00710	102	82.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41644 Date Analyzed: 2007-10-02 Analyzed By: TP
Prep Batch: 35984 QC Preparation: 2007-10-02 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00107	mg/L	1	0.00100	<0.0000336	107	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00106	mg/L	1	0.00100	<0.0000336	106	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.00210	96	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.121	mg/L	1	0.125	<0.00210	97	87.2 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.477	mg/L	1	0.500	<0.00430	95	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.487	mg/L	1	0.500	<0.00430	97	81.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.03	mg/L	1	1.00	<0.00170	103	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0251	mg/L	1	0.0250	<0.00220	100	78.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.242	mg/L	1	0.250	<0.00140	97	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.243	mg/L	1	0.250	<0.00140	97	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.256	mg/L	1	0.250	<0.00220	102	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.256	mg/L	1	0.250	<0.00220	102	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.101	mg/L	1	0.100	<0.000900	101	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0990	mg/L	1	0.100	<0.000900	99	86.5 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.127	mg/L	1	0.125	<0.00140	102	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.128	mg/L	1	0.125	<0.00140	102	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.257	mg/L	1	0.250	<0.00190	103	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.257	mg/L	1	0.250	<0.00190	103	86.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.523	mg/L	1	0.500	<0.00740	105	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.510	mg/L	1	0.500	<0.00740	102	88 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.237	mg/L	1	0.250	<0.0166	95	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.225	mg/L	1	0.250	<0.0166	90	79.4 - 114	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.426	mg/L	1	0.500	<0.0131	85	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.430	mg/L	1	0.500	<0.0131	86	70.2 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.299	mg/L	1	0.300	<0.0124	100	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.300	mg/L	1	0.300	<0.0124	100	77.9 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.512	mg/L	1	0.500	<0.0189	102	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.506	mg/L	1	0.500	<0.0189	101	81.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.252	mg/L	1	0.250	<0.00150	101	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.252	mg/L	1	0.250	<0.00150	101	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.241	mg/L	1	0.250	<0.00710	96	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.241	mg/L	1	0.250	<0.00710	96	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135721

QC Batch: 41082 Date Analyzed: 2007-09-14 Analyzed By: TP
Prep Batch: 35487 QC Preparation: 2007-09-13 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury [1]	0.000740	mg/L	1	0.00100	<0.0000336	74	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000810	mg/L	1	0.00100	<0.0000336	81	77.5 - 108.9	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

continued . . .

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.128	mg/L	1	0.125	<0.00210	102	80.5 - 104	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.496	mg/L	1	0.500	<0.00440	99	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.509	mg/L	1	0.500	<0.00440	102	67.6 - 116	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.01	mg/L	1	1.00	<0.00170	101	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	61.9 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	76.5 - 118	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.242	mg/L	1	0.250	<0.00140	97	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.247	mg/L	1	0.250	<0.00140	99	72.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.257	mg/L	1	0.250	<0.00220	103	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.261	mg/L	1	0.250	<0.00220	104	71 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	66.2 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.130	mg/L	1	0.125	<0.00140	104	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.131	mg/L	1	0.125	<0.00140	105	84.1 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.257	mg/L	1	0.250	<0.00190	103	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.260	mg/L	1	0.250	<0.00190	104	56.1 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.500	mg/L	1	0.500	<0.00740	100	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.502	mg/L	1	0.500	<0.00740	100	74.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.230	mg/L	1	0.250	<0.0166	92	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.233	mg/L	1	0.250	<0.0166	93	71.3 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.433	mg/L	1	0.500	<0.0131	87	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.436	mg/L	1	0.500	<0.0131	87	64.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.296	mg/L	1	0.300	<0.0124	99	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.301	mg/L	1	0.300	<0.0124	100	70.1 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 | Date Analyzed: 2007-09-17 | Analyzed By: RR
Prep Batch: 35490 | QC Preparation: 2007-09-14 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.482	mg/L	1	0.500	<0.0189	96	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.484	mg/L	1	0.500	<0.0189	97	66 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.249	mg/L	1	0.250	<0.00150	100	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.243	mg/L	1	0.250	<0.00150	97	74.1 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136194

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR
Prep Batch: 35490 QC Preparation: 2007-09-14 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.257	mg/L	1	0.250	<0.00710	103	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.259	mg/L	1	0.250	<0.00710	104	75.5 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.118	mg/L	1	0.125	<0.00210	94	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.118	mg/L	1	0.125	<0.00210	94	80.5 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.466	mg/L	1	0.500	<0.00440	93	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.458	mg/L	1	0.500	<0.00440	92	67.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.912	mg/L	1	1.00	0.008	90	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.912	mg/L	1	1.00	0.008	90	61.9 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0233	mg/L	1	0.0250	<0.00220	93	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0224	mg/L	1	0.0250	<0.00220	90	76.5 - 118	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 | Date Analyzed: 2007-09-18 | Analyzed By: RR
Prep Batch: 35567 | QC Preparation: 2007-09-17 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.212	mg/L	1	0.250	<0.00140	85	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.212	mg/L	1	0.250	<0.00140	85	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 | Date Analyzed: 2007-09-18 | Analyzed By: RR
Prep Batch: 35567 | QC Preparation: 2007-09-17 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.224	mg/L	1	0.250	<0.00220	90	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.223	mg/L	1	0.250	<0.00220	89	71 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 | Date Analyzed: 2007-09-18 | Analyzed By: RR
Prep Batch: 35567 | QC Preparation: 2007-09-17 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0960	mg/L	1	0.100	<0.000900	96	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0950	mg/L	1	0.100	<0.000900	95	66.2 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 | Date Analyzed: 2007-09-18 | Analyzed By: RR
Prep Batch: 35567 | QC Preparation: 2007-09-17 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.124	mg/L	1	0.125	<0.00140	99	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.121	mg/L	1	0.125	<0.00140	97	84.1 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.221	mg/L	1	0.250	<0.00190	88	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.218	mg/L	1	0.250	<0.00190	87	56.1 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.426	mg/L	1	0.500	<0.00740	85	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.427	mg/L	1	0.500	<0.00740	85	74.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.212	mg/L	1	0.250	<0.0166	85	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.218	mg/L	1	0.250	<0.0166	87	71.3 - 118	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.414	mg/L	1	0.500	<0.0131	83	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.407	mg/L	1	0.500	<0.0131	81	64.3 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.257	mg/L	1	0.300	<0.0124	86	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.255	mg/L	1	0.300	<0.0124	85	70.1 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR
Prep Batch: 35567 QC Preparation: 2007-09-17 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.408	mg/L	1	0.500	<0.0189	82	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.402	mg/L	1	0.500	<0.0189	80	66 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 | Date Analyzed: 2007-09-18 | Analyzed By: RR
Prep Batch: 35567 | QC Preparation: 2007-09-17 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.239	mg/L	1	0.250	0.028	84	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.241	mg/L	1	0.250	0.028	85	74.1 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136425

QC Batch: 41179 | Date Analyzed: 2007-09-18 | Analyzed By: RR
Prep Batch: 35567 | QC Preparation: 2007-09-17 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.237	mg/L	1	0.250	0.018	88	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.228	mg/L	1	0.250	0.018	84	75.5 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 | Date Analyzed: 2007-09-20 | Analyzed By: RR
Prep Batch: 35673 | QC Preparation: 2007-09-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.119	mg/L	1	0.125	<0.00210	95	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.119	mg/L	1	0.125	<0.00210	95	80.5 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 | Date Analyzed: 2007-09-20 | Analyzed By: RR
Prep Batch: 35673 | QC Preparation: 2007-09-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.474	mg/L	1	0.500	<0.00440	95	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.469	mg/L	1	0.500	<0.00440	94	67.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.957	mg/L	1	1.00	0.011	95	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.948	mg/L	1	1.00	0.011	94	61.9 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	76.5 - 118	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.248	mg/L	1	0.250	<0.00140	99	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.247	mg/L	1	0.250	<0.00140	99	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.255	mg/L	1	0.250	<0.00220	102	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.254	mg/L	1	0.250	<0.00220	102	71 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0980	mg/L	1	0.100	<0.000900	98	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0970	mg/L	1	0.100	<0.000900	97	66.2 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.118	mg/L	1	0.125	<0.00140	94	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.118	mg/L	1	0.125	<0.00140	94	84.1 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 | Date Analyzed: 2007-09-20 | Analyzed By: RR
Prep Batch: 35673 | QC Preparation: 2007-09-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.249	mg/L	1	0.250	<0.00190	100	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.247	mg/L	1	0.250	<0.00190	99	56.1 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 | Date Analyzed: 2007-09-20 | Analyzed By: RR
Prep Batch: 35673 | QC Preparation: 2007-09-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.481	mg/L	1	0.500	<0.00740	96	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.483	mg/L	1	0.500	<0.00740	97	74.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 | Date Analyzed: 2007-09-20 | Analyzed By: RR
Prep Batch: 35673 | QC Preparation: 2007-09-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.236	mg/L	1	0.250	<0.0166	94	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.238	mg/L	1	0.250	<0.0166	95	71.3 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 | Date Analyzed: 2007-09-20 | Analyzed By: RR
Prep Batch: 35673 | QC Preparation: 2007-09-20 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.657	mg/L	1	0.500	0.295	72	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.651	mg/L	1	0.500	0.295	71	64.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.296	mg/L	1	0.300	<0.0124	99	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.296	mg/L	1	0.300	<0.0124	99	70.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.484	mg/L	1	0.500	<0.0189	97	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.486	mg/L	1	0.500	<0.0189	97	66 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.251	mg/L	1	0.250	0.008	97	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.251	mg/L	1	0.250	0.008	97	74.1 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136893

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR
Prep Batch: 35673 QC Preparation: 2007-09-20 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.243	mg/L	1	0.250	<0.00710	97	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.238	mg/L	1	0.250	<0.00710	95	75.5 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample:

QC Batch: 41441 Date Analyzed: 2007-09-25 Analyzed By: TP
Prep Batch: 35769 QC Preparation: 2007-09-24 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury [2]	0.000590	mg/L	1	0.00100	<0.0000336	59	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury [3]	0.000630	mg/L	1	0.00100	<0.0000336	63	77.5 - 108.9	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136620

QC Batch: 41442 Date Analyzed: 2007-09-25 Analyzed By: TP
Prep Batch: 35767 QC Preparation: 2007-09-24 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000820	mg/L	1	0.00100	<0.0000336	82	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000840	mg/L	1	0.00100	<0.0000336	84	77.5 - 108.9	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41449 Date Analyzed: 2007-09-25 Analyzed By: TP
Prep Batch: 35767 QC Preparation: 2007-09-24 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000336	104	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000336	101	77.5 - 108.9	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.116	mg/L	1	0.125	<0.00210	93	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.116	mg/L	1	0.125	<0.00210	93	80.5 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.478	mg/L	1	0.500	<0.00440	96	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.472	mg/L	1	0.500	<0.00440	94	67.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.943	mg/L	1	1.00	0.01	93	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.936	mg/L	1	1.00	0.01	93	61.9 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0241	mg/L	1	0.0250	<0.00220	96	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	76.5 - 118	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.214	mg/L	1	0.250	<0.00140	86	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.214	mg/L	1	0.250	<0.00140	86	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.226	mg/L	1	0.250	<0.00220	90	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.225	mg/L	1	0.250	<0.00220	90	71 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0920	mg/L	1	0.100	<0.000900	92	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0920	mg/L	1	0.100	<0.000900	92	66.2 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.123	mg/L	1	0.125	<0.00140	98	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.124	mg/L	1	0.125	<0.00140	99	84.1 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.219	mg/L	1	0.250	<0.00190	88	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.221	mg/L	1	0.250	<0.00190	88	56.1 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.421	mg/L	1	0.500	<0.00740	84	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.425	mg/L	1	0.500	<0.00740	85	74.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.216	mg/L	1	0.250	<0.0166	86	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.213	mg/L	1	0.250	<0.0166	85	71.3 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.431	mg/L	1	0.500	0.016	83	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.416	mg/L	1	0.500	0.016	80	64.3 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.254	mg/L	1	0.300	<0.0124	85	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.256	mg/L	1	0.300	<0.0124	85	70.1 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.434	mg/L	1	0.500	<0.0189	87	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.423	mg/L	1	0.500	<0.0189	85	66 - 121	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.241	mg/L	1	0.250	0.02	88	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.242	mg/L	1	0.250	0.02	89	74.1 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR
Prep Batch: 35792 QC Preparation: 2007-09-25 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.232	mg/L	1	0.250	<0.00710	93	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.234	mg/L	1	0.250	<0.00710	94	75.5 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137458

QC Batch: 41644 Date Analyzed: 2007-10-02 Analyzed By: TP
Prep Batch: 35984 QC Preparation: 2007-10-02 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000970	mg/L	1	0.00100	<0.0000336	97	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.00210	96	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.118	mg/L	1	0.125	<0.00210	94	80.5 - 104	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.494	mg/L	1	0.500	<0.00440	99	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.499	mg/L	1	0.500	<0.00440	100	67.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.991	mg/L	1	1.00	0.013	98	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.992	mg/L	1	1.00	0.013	98	61.9 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0246	mg/L	1	0.0250	<0.00220	98	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0238	mg/L	1	0.0250	<0.00220	95	76.5 - 118	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.239	mg/L	1	0.250	<0.00140	96	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.238	mg/L	1	0.250	<0.00140	95	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.249	mg/L	1	0.250	<0.00220	100	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.246	mg/L	1	0.250	<0.00220	98	71 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0970	mg/L	1	0.100	<0.000900	97	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0954	mg/L	1	0.100	<0.000900	95	66.2 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.129	mg/L	1	0.125	<0.00140	103	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.127	mg/L	1	0.125	<0.00140	102	84.1 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 | Date Analyzed: 2007-10-03 | Analyzed By: RR
Prep Batch: 35895 | QC Preparation: 2007-09-28 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.250	mg/L	1	0.250	<0.00190	100	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.248	mg/L	1	0.250	<0.00190	99	56.1 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.517	mg/L	1	0.500	<0.00740	103	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.498	mg/L	1	0.500	<0.00740	100	74.1 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.235	mg/L	1	0.250	<0.0166	94	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.238	mg/L	1	0.250	<0.0166	95	71.3 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.450	mg/L	1	0.500	<0.0131	90	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.452	mg/L	1	0.500	<0.0131	90	64.3 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.297	mg/L	1	0.300	<0.0124	99	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.297	mg/L	1	0.300	<0.0124	99	70.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.491	mg/L	1	0.500	<0.0189	98	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.494	mg/L	1	0.500	<0.0189	99	66 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.251	mg/L	1	0.250	<0.00150	100	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.248	mg/L	1	0.250	<0.00150	99	74.1 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137373

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR
Prep Batch: 35895 QC Preparation: 2007-09-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.230	mg/L	1	0.250	<0.00710	92	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.242	mg/L	1	0.250	<0.00710	97	75.5 - 113	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 41082 Date Analyzed: 2007-09-14 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	80 - 120	2007-09-14

Standard (CCV-1)

QC Batch: 41082 Date Analyzed: 2007-09-14 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-09-14

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.986	99	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.987	99	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.986	99	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.998	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.995	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.986	99	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.958	96	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.976	98	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	0.996	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.997	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.984	98	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.04	104	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.02	102	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.02	102	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-09-17

Standard (CCV-1)

QC Batch: 41136 Date Analyzed: 2007-09-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.00	100	90 - 110	2007-09-17

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.03	103	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.995	100	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.01	101	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.02	102	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.03	103	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.02	102	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.00	100	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.997	100	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.993	99	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.985	98	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.991	99	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.974	97	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.987	99	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.980	98	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.978	98	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.00	100	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.954	95	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.982	98	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	0.986	99	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.975	98	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.991	99	90 - 110	2007-09-18

Standard (CCV-1)

QC Batch: 41179 Date Analyzed: 2007-09-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.974	97	90 - 110	2007-09-18

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.130	104	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.03	103	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.03	103	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.04	104	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.00	100	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.03	103	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.133	106	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.07	107	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.03	103	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.07	107	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.08	108	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.05	105	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.05	105	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.05	105	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.05	105	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.05	105	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.08	108	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.07	107	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.06	106	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.04	104	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.05	105	90 - 110	2007-09-20

Standard (CCV-1)

QC Batch: 41309 Date Analyzed: 2007-09-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.06	106	90 - 110	2007-09-20

Standard (ICV-1)

QC Batch: 41441 Date Analyzed: 2007-09-25 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-09-25

Standard (CCV-1)

QC Batch: 41441 Date Analyzed: 2007-09-25 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-09-25

Standard (ICV-1)

QC Batch: 41442 Date Analyzed: 2007-09-25 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-09-25

Standard (CCV-1)

QC Batch: 41442 Date Analyzed: 2007-09-25 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00103	103	80 - 120	2007-09-25

Standard (ICV-1)

QC Batch: 41449 Date Analyzed: 2007-09-25 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-09-25

Standard (CCV-1)

QC Batch: 41449 Date Analyzed: 2007-09-25 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00104	104	80 - 120	2007-09-25

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.983	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.988	99	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.985	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.982	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.975	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.980	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.989	99	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.976	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.996	100	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.958	96	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.969	97	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	0.982	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.960	96	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.984	98	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.970	97	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.117	94	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.909	91	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.946	95	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.925	92	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.920	92	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.917	92	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.930	93	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.938	94	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.915	92	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.944	94	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.903	90	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.913	91	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	0.914	91	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.902	90	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	0.933	93	90 - 110	2007-09-27

Standard (CCV-1)

QC Batch: 41507 Date Analyzed: 2007-09-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.912	91	90 - 110	2007-09-27

Standard (ICV-1)

QC Batch: 41644 Date Analyzed: 2007-10-02 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00105	105	80 - 120	2007-10-02

Standard (CCV-1)

QC Batch: 41644 Date Analyzed: 2007-10-02 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-10-02

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.121	97	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.990	99	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.01	101	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.984	98	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.01	101	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.987	99	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.999	100	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.983	98	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.01	101	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.981	98	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.976	98	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	0.992	99	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-10-03

Standard (ICV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.983	98	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.121	97	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.974	97	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.00	100	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.970	97	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.994	99	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.975	98	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.989	99	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.990	99	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.965	96	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.04	104	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.984	98	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.968	97	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	0.994	99	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	0.997	100	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.00	100	90 - 110	2007-10-03

Standard (CCV-1)

QC Batch: 41692 Date Analyzed: 2007-10-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.970	97	90 - 110	2007-10-03

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Total Cyanide	SM 4500-CN C,E

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41116	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35531	Sample Preparation:	2007-09-13	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	Sample Preparation:	2007-09-18	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	Sample Preparation:	2007-09-18	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	Sample Preparation:	2007-09-18	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	Sample Preparation:	2007-09-18	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	Sample Preparation:	2007-09-18	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41453	Date Analyzed:	2007-09-25	Analyzed By:	MM
Prep Batch:	35817	Sample Preparation:	2007-09-25	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41453	Date Analyzed:	2007-09-25	Analyzed By:	MM
Prep Batch:	35817	Sample Preparation:	2007-09-25	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41453	Date Analyzed:	2007-09-25	Analyzed By:	MM
Prep Batch:	35817	Sample Preparation:	2007-09-25	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41453	Date Analyzed:	2007-09-25	Analyzed By:	MM
Prep Batch:	35817	Sample Preparation:	2007-09-25	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41839	Date Analyzed:	2007-10-05	Analyzed By:	MM
Prep Batch:	36133	Sample Preparation:	2007-10-05	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	41839	Date Analyzed:	2007-10-05	Analyzed By:	MM
Prep Batch:	36133	Sample Preparation:	2007-10-05	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 41116

QC Batch:	41116	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35531	QC Preparation:	2007-09-13	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 41284

QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	QC Preparation:	2007-09-18	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 41453

QC Batch:	41453	Date Analyzed:	2007-09-25	Analyzed By:	MM
Prep Batch:	35817	QC Preparation:	2007-09-25	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 41839

QC Batch:	41839	Date Analyzed:	2007-10-05	Analyzed By:	MM
Prep Batch:	36133	QC Preparation:	2007-10-05	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	41116	Date Analyzed:	2007-09-14	Analyzed By:	MM
Prep Batch:	35531	QC Preparation:	2007-09-13	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.111	mg/L	1	0.120	<0.000829	92	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.130	mg/L	1	0.120	<0.000829	108	65.5 - 111	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	41284	Date Analyzed:	2007-09-19	Analyzed By:	MM
Prep Batch:	35652	QC Preparation:	2007-09-18	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.116	mg/L	1	0.120	<0.000829	97	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.110	mg/L	1	0.120	<0.000829	92	65.5 - 111	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41453 | Date Analyzed: 2007-09-25 | Analyzed By: MM
Prep Batch: 35817 | QC Preparation: 2007-09-25 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.113	mg/L	1	0.120	<0.000829	94	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.110	mg/L	1	0.120	<0.000829	92	65.5 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41839 | Date Analyzed: 2007-10-05 | Analyzed By: MM
Prep Batch: 36133 | QC Preparation: 2007-10-05 | Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.120	mg/L	1	0.120	<0.000829	100	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.120	mg/L	1	0.120	<0.000829	100	65.5 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136218

QC Batch: 41116 | Date Analyzed: 2007-09-14 | Analyzed By: MM
Prep Batch: 35531 | QC Preparation: 2007-09-13 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.111	mg/L	1	0.120	<0.000829	92	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.106	mg/L	1	0.120	<0.000829	88	46.6 - 132	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136224

QC Batch: 41284 | Date Analyzed: 2007-09-19 | Analyzed By: MM
Prep Batch: 35652 | QC Preparation: 2007-09-18 | Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.126	mg/L	1	0.120	<0.000829	105	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.120	mg/L	1	0.120	<0.000829	100	46.6 - 132	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41453 Date Analyzed: 2007-09-25 Analyzed By: MM
Prep Batch: 35817 QC Preparation: 2007-09-25 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.109	mg/L	1	0.120	<0.000829	91	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.108	mg/L	1	0.120	<0.000829	90	46.6 - 132	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 137363

QC Batch: 41839 Date Analyzed: 2007-10-05 Analyzed By: MM
Prep Batch: 36133 QC Preparation: 2007-10-05 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.114	mg/L	1	0.120	<0.000829	95	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.106	mg/L	1	0.120	<0.000829	88	46.6 - 132	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 41116 Date Analyzed: 2007-09-14 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-09-14

Standard (CCV-1)

QC Batch: 41116 Date Analyzed: 2007-09-14 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.109	91	85 - 115	2007-09-14

Standard (ICV-1)

QC Batch: 41284 Date Analyzed: 2007-09-19 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-09-19

Standard (CCV-1)

QC Batch: 41284 Date Analyzed: 2007-09-19 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.123	102	85 - 115	2007-09-19

Standard (ICV-1)

QC Batch: 41453 Date Analyzed: 2007-09-25 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.122	102	85 - 115	2007-09-25

Standard (CCV-1)

QC Batch: 41453 Date Analyzed: 2007-09-25 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.116	97	85 - 115	2007-09-25

Standard (ICV-1)

QC Batch: 41839 Date Analyzed: 2007-10-05 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.133	111	85 - 115	2007-10-05

Standard (CCV-1)

QC Batch: 41839 Date Analyzed: 2007-10-05 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.120	100	85 - 115	2007-10-05

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TPH DRO	Mod. 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41054	Date Analyzed:	2007-09-13	Analyzed By:	TG
Prep Batch:	35480	Sample Preparation:	2007-09-13	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.4	mg/L	1	15.0	136	40.7 - 174

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41054	Date Analyzed:	2007-09-13	Analyzed By:	TG
Prep Batch:	35480	Sample Preparation:	2007-09-13	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		21.6	mg/L	1	15.0	144	40.7 - 174

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41054	Date Analyzed:	2007-09-13	Analyzed By:	TG
Prep Batch:	35480	Sample Preparation:	2007-09-13	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.6	mg/L	1	15.0	137	40.7 - 174

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41091	Date Analyzed:	2007-09-14	Analyzed By:	RM
Prep Batch:	35510	Sample Preparation:	2007-09-14	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.4	mg/L	1	15.0	129	40.7 - 174

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41091	Date Analyzed:	2007-09-14	Analyzed By:	RM
Prep Batch:	35510	Sample Preparation:	2007-09-14	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.5	mg/L	1	15.0	123	40.7 - 174

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41091	Date Analyzed:	2007-09-14	Analyzed By:	RM
Prep Batch:	35510	Sample Preparation:	2007-09-14	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.2	mg/L	1	15.0	128	40.7 - 174

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41271	Date Analyzed:	2007-09-19	Analyzed By:	TG
Prep Batch:	35660	Sample Preparation:	2007-09-19	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		21.0	mg/L	1	15.0	140	40.7 - 174

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41271	Date Analyzed:	2007-09-19	Analyzed By:	TG
Prep Batch:	35660	Sample Preparation:	2007-09-19	Prepared By:	TG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<5.00		mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.9	mg/L	1	15.0	133	40.7 - 174

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41324	Date Analyzed:	2007-09-20	Analyzed By:	TG
Prep Batch:	35707	Sample Preparation:	2007-09-20	Prepared By:	TG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<5.00		mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		11.2	mg/L	1	15.0	75	60 - 132

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41542	Date Analyzed:	2007-09-27	Analyzed By:	TG
Prep Batch:	35894	Sample Preparation:	2007-09-27	Prepared By:	TG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<5.00		mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		24.1	mg/L	1	15.0	161	40.7 - 174

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41509	Date Analyzed:	2007-09-26	Analyzed By:	TG
Prep Batch:	35866	Sample Preparation:	2007-09-26	Prepared By:	TG

continued . . .

sample 137363 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.3	mg/L	1	15.0	129	40.7 - 174

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	41509	Date Analyzed:	2007-09-26	Analyzed By:	TG
Prep Batch:	35866	Sample Preparation:	2007-09-26	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		21.5	mg/L	1	15.0	143	40.7 - 174

Method Blank (1) QC Batch: 41054

QC Batch:	41054	Date Analyzed:	2007-09-13	Analyzed By:	TG
Prep Batch:	35480	QC Preparation:	2007-09-13	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		22.8	mg/L	1	15.0	152	40.7 - 174

Method Blank (1) QC Batch: 41091

QC Batch:	41091	Date Analyzed:	2007-09-14	Analyzed By:	RM
Prep Batch:	35510	QC Preparation:	2007-09-14	Prepared By:	RM

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.3	mg/L	1	15.0	122	40.7 - 174

Method Blank (1) QC Batch: 41271

QC Batch: 41271 Date Analyzed: 2007-09-19 Analyzed By: TG
Prep Batch: 35660 QC Preparation: 2007-09-19 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.1	mg/L	1	15.0	134	40.7 - 174

Method Blank (1) QC Batch: 41324

QC Batch: 41324 Date Analyzed: 2007-09-20 Analyzed By: TG
Prep Batch: 35707 QC Preparation: 2007-09-20 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.35	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.9	mg/L	1	15.0	86	60 - 132

Method Blank (1) QC Batch: 41509

QC Batch: 41509 Date Analyzed: 2007-09-26 Analyzed By: TG
Prep Batch: 35866 QC Preparation: 2007-09-26 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.0	mg/L	1	15.0	127	40.7 - 174

Method Blank (1) QC Batch: 41542

QC Batch: 41542 Date Analyzed: 2007-09-27 Analyzed By: TG
Prep Batch: 35894 QC Preparation: 2007-09-27 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		1.53	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.0	mg/L	1	15.0	133	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 41054 Date Analyzed: 2007-09-13 Analyzed By: TG
Prep Batch: 35480 QC Preparation: 2007-09-13 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	24.7	mg/L	1	25.0	<1.06	99	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	24.6	mg/L	1	25.0	<1.06	98	56.9 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.1	18.9	mg/L	1	15.0	127	126	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 41091 Date Analyzed: 2007-09-14 Analyzed By: RM
Prep Batch: 35510 QC Preparation: 2007-09-14 Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	27.2	mg/L	1	25.0	<1.06	109	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	25.2	mg/L	1	25.0	<1.06	101	56.9 - 128	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	18.3	18.1	mg/L	1	15.0	122	121	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 41271 Date Analyzed: 2007-09-19 Analyzed By: TG
Prep Batch: 35660 QC Preparation: 2007-09-19 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	29.0	mg/L	1	25.0	<1.06	116	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	29.8	mg/L	1	25.0	<1.06	119	56.9 - 128	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	18.8	18.8	mg/L	1	15.0	125	125	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 41324 Date Analyzed: 2007-09-20 Analyzed By: TG
Prep Batch: 35707 QC Preparation: 2007-09-20 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	25.4	mg/L	1	25.0	<1.35	102	67.8 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	22.0	mg/L	1	25.0	<1.35	88	67.8 - 131	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	12.1	11.0	mg/L	1	15.0	81	73	60 - 132

Laboratory Control Spike (LCS-1)

QC Batch: 41509 Date Analyzed: 2007-09-26 Analyzed By: TG
Prep Batch: 35866 QC Preparation: 2007-09-26 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	25.9	mg/L	1	25.0	<1.06	104	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	26.0	mg/L	1	25.0	<1.06	104	56.9 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	18.7	18.7	mg/L	1	15.0	125	125	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 41542 Date Analyzed: 2007-09-27 Analyzed By: TG
Prep Batch: 35894 QC Preparation: 2007-09-27 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	29.0	mg/L	1	25.0	<1.06	116	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	29.1	mg/L	1	25.0	<1.06	116	56.9 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.6	19.6	mg/L	1	15.0	131	131	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 136223

QC Batch: 41054 Date Analyzed: 2007-09-13 Analyzed By: TG
Prep Batch: 35480 QC Preparation: 2007-09-13 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	22.8	mg/L	1	25.0	<1.06	91	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	21.6	mg/L	1	25.0	<1.06	86	61.9 - 112.2	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	19.4	20.4	mg/L	1	15	129	136	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 136428

QC Batch: 41091 Date Analyzed: 2007-09-14 Analyzed By: RM
Prep Batch: 35510 QC Preparation: 2007-09-14 Prepared By: RM

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	25.0	mg/L	1	25.0	<1.06	100	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	23.0	mg/L	1	25.0	<1.06	92	61.9 - 112.2	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	18.9	18.0	mg/L	1	15	126	120	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 136892

QC Batch: 41271 Date Analyzed: 2007-09-19 Analyzed By: TG
Prep Batch: 35660 QC Preparation: 2007-09-19 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	25.4	mg/L	1	25.0	<1.06	102	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	23.4	mg/L	1	25.0	<1.06	94	61.9 - 112.2	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	20.2	19.1	mg/L	1	15	135	127	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41324 Date Analyzed: 2007-09-20 Analyzed By: TG
Prep Batch: 35707 QC Preparation: 2007-09-20 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	16.3	mg/L	1	25.0	<1.35	65	64 - 126

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	17.1	mg/L	1	25.0	<1.35	68	64 - 126	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	10.5	9.67	mg/L	1	15	70	64	60 - 132

Matrix Spike (MS-1) Spiked Sample: 137368

QC Batch: 41509 Date Analyzed: 2007-09-26 Analyzed By: TG
Prep Batch: 35866 QC Preparation: 2007-09-26 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.7	mg/L	1	25.0	<1.06	107	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	23.8	mg/L	1	25.0	<1.06	95	61.9 - 112.2	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	18.3	18.4	mg/L	1	15	122	123	40.7 - 174

Standard (ICV-1)

QC Batch: 41054 Date Analyzed: 2007-09-13 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	252	101	85 - 115	2007-09-13

Standard (CCV-1)

QC Batch: 41054 Date Analyzed: 2007-09-13 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	249	100	85 - 115	2007-09-13

Standard (ICV-1)

QC Batch: 41091 Date Analyzed: 2007-09-14 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	258	103	85 - 115	2007-09-14

Standard (CCV-1)

QC Batch: 41091 Date Analyzed: 2007-09-14 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	238	95	85 - 115	2007-09-14

Standard (ICV-1)

QC Batch: 41271 Date Analyzed: 2007-09-19 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	287	115	85 - 115	2007-09-19

Standard (CCV-1)

QC Batch: 41271 Date Analyzed: 2007-09-19 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	256	102	85 - 115	2007-09-19

Standard (ICV-1)

QC Batch: 41324 Date Analyzed: 2007-09-20 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	247	99	85 - 115	2007-09-20

Standard (CCV-1)

QC Batch: 41324 Date Analyzed: 2007-09-20 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	214	86	85 - 115	2007-09-20

Standard (ICV-1)

QC Batch: 41509 Date Analyzed: 2007-09-26 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	255	102	85 - 115	2007-09-26

Standard (CCV-1)

QC Batch: 41509 Date Analyzed: 2007-09-26 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	278	111	85 - 115	2007-09-26

Standard (ICV-1)

QC Batch: 41542 Date Analyzed: 2007-09-27 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	247	99	85 - 115	2007-09-27

Standard (CCV-1)

QC Batch: 41542 Date Analyzed: 2007-09-27 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	285	114	85 - 115	2007-09-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41147	Date Analyzed:	2007-09-17	Analyzed By:	KB
Prep Batch:	35559	Sample Preparation:	2007-09-17	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0879	mg/L	1	0.100	88	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0829	mg/L	1	0.100	83	71 - 110

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41089	Date Analyzed:	2007-09-14	Analyzed By:	MT
Prep Batch:	35511	Sample Preparation:	2007-09-14	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0946	mg/L	1	0.100	95	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0896	mg/L	1	0.100	90	71 - 110

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41089	Date Analyzed:	2007-09-14	Analyzed By:	MT
Prep Batch:	35511	Sample Preparation:	2007-09-14	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0960	mg/L	1	0.100	96	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0888	mg/L	1	0.100	89	71 - 110

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41089	Date Analyzed:	2007-09-14	Analyzed By:	MT
Prep Batch:	35511	Sample Preparation:	2007-09-14	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0930	mg/L	1	0.100	93	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0895	mg/L	1	0.100	90	71 - 110

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41089	Date Analyzed:	2007-09-14	Analyzed By:	MT
Prep Batch:	35511	Sample Preparation:	2007-09-14	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**0.208**	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0932	mg/L	1	0.100	93	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0886	mg/L	1	0.100	89	71 - 110

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41089	Date Analyzed:	2007-09-14	Analyzed By:	MT
Prep Batch:	35511	Sample Preparation:	2007-09-14	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0927	mg/L	1	0.100	93	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0889	mg/L	1	0.100	89	71 - 110

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41361	Date Analyzed:	2007-09-21	Analyzed By:	KB
Prep Batch:	35739	Sample Preparation:	2007-09-21	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0908	mg/L	1	0.100	91	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0682	mg/L	1	0.100	68	54.2 - 118

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41361	Date Analyzed:	2007-09-21	Analyzed By:	KB
Prep Batch:	35739	Sample Preparation:	2007-09-21	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0910	mg/L	1	0.100	91	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0663	mg/L	1	0.100	66	54.2 - 118

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41361	Date Analyzed:	2007-09-21	Analyzed By:	KB
Prep Batch:	35739	Sample Preparation:	2007-09-21	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0992	mg/L	1	0.100	99	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0687	mg/L	1	0.100	69	54.2 - 118

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41406	Date Analyzed:	2007-09-24	Analyzed By:	KB
Prep Batch:	35776	Sample Preparation:	2007-09-24	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0922	mg/L	1	0.100	92	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0679	mg/L	1	0.100	68	54.2 - 118

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41492	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35849	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0935	mg/L	1	0.100	94	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0902	mg/L	1	0.100	90	71 - 110

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	41562	Date Analyzed:	2007-09-28	Analyzed By:	KB
Prep Batch:	35914	Sample Preparation:	2007-09-28	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0788	mg/L	1	0.100	79	72.8 - 107
4-Bromofluorobenzene (4-BFB)	[1]	0.0652	mg/L	1	0.100	65	71 - 110

Method Blank (1) QC Batch: 41089

QC Batch:	41089	Date Analyzed:	2007-09-14	Analyzed By:	MT
Prep Batch:	35511	QC Preparation:	2007-09-14	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0104	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0953	mg/L	1	0.100	95	68 - 117
4-Bromofluorobenzene (4-BFB)		0.0900	mg/L	1	0.100	90	75.8 - 110

[1] Surrogate BFB out due to matrix interference. Sample was reran on 9/28/07 to confirm matrix interference results.

Method Blank (1) QC Batch: 41147

QC Batch: 41147 Date Analyzed: 2007-09-17 Analyzed By: KB
Prep Batch: 35559 QC Preparation: 2007-09-17 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0104	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	68 - 117
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	75.8 - 110

Method Blank (1) QC Batch: 41361

QC Batch: 41361 Date Analyzed: 2007-09-21 Analyzed By: KB
Prep Batch: 35739 QC Preparation: 2007-09-21 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0353	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	80.9 - 124
4-Bromofluorobenzene (4-BFB)		0.0742	mg/L	1	0.100	74	55.4 - 120

Method Blank (1) QC Batch: 41406

QC Batch: 41406 Date Analyzed: 2007-09-24 Analyzed By: KB
Prep Batch: 35776 QC Preparation: 2007-09-24 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0353	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0983	mg/L	1	0.100	98	80.9 - 124
4-Bromofluorobenzene (4-BFB)		0.0676	mg/L	1	0.100	68	55.4 - 120

Method Blank (1) QC Batch: 41492

QC Batch: 41492 Date Analyzed: 2007-09-26 Analyzed By: KB
Prep Batch: 35849 QC Preparation: 2007-09-26 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0104	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0934	mg/L	1	0.100	93	68 - 117
4-Bromofluorobenzene (4-BFB)		0.0860	mg/L	1	0.100	86	75.8 - 110

Method Blank (1) QC Batch: 41562

QC Batch: 41562 Date Analyzed: 2007-09-28 Analyzed By: KB
Prep Batch: 35914 QC Preparation: 2007-09-28 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0104	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0947	mg/L	1	0.100	95	68 - 117
4-Bromofluorobenzene (4-BFB)		0.0816	mg/L	1	0.100	82	75.8 - 110

Laboratory Control Spike (LCS-1)

QC Batch: 41089 Date Analyzed: 2007-09-14 Analyzed By: MT
Prep Batch: 35511 QC Preparation: 2007-09-14 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.08	mg/L	1	1.00	<0.0104	108	72 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.09	mg/L	1	1.00	<0.0104	109	72 - 131	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.103	0.103	mg/L	1	0.100	103	103	72.1 - 120
4-Bromofluorobenzene (4-BFB)	0.102	0.102	mg/L	1	0.100	102	102	80.9 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 41147 Date Analyzed: 2007-09-17 Analyzed By: KB
Prep Batch: 35559 QC Preparation: 2007-09-17 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.22	mg/L	1	1.00	<0.0104	122	72 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.18	mg/L	1	1.00	<0.0104	118	72 - 131	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.108	0.105	mg/L	1	0.100	108	105	72.1 - 120
4-Bromofluorobenzene (4-BFB)	0.107	0.102	mg/L	1	0.100	107	102	80.9 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 41361 Date Analyzed: 2007-09-21 Analyzed By: KB
Prep Batch: 35739 QC Preparation: 2007-09-21 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.939	mg/L	1	1.00	<0.0353	94	74.5 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.03	mg/L	1	1.00	<0.0353	103	74.5 - 114	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0950	0.0982	mg/L	1	0.100	95	98	83.1 - 111
4-Bromofluorobenzene (4-BFB)	0.0896	0.0891	mg/L	1	0.100	90	89	75.7 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 41406 Date Analyzed: 2007-09-24 Analyzed By: KB
Prep Batch: 35776 QC Preparation: 2007-09-24 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.946	mg/L	1	1.00	<0.0353	94	74.5 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.06	mg/L	1	1.00	<0.0353	106	74.5 - 114	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0978	0.0991	mg/L	1	0.100	98	99	83.1 - 111
4-Bromofluorobenzene (4-BFB)	0.0864	0.0883	mg/L	1	0.100	86	88	75.7 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 41492 | Date Analyzed: 2007-09-26 | Analyzed By: KB
Prep Batch: 35849 | QC Preparation: 2007-09-26 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.12	mg/L	1	1.00	<0.0104	112	72 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.10	mg/L	1	1.00	<0.0104	110	72 - 131	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.105	0.108	mg/L	1	0.100	105	108	72.1 - 120
4-Bromofluorobenzene (4-BFB)	0.0985	0.101	mg/L	1	0.100	98	101	80.9 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 41562 | Date Analyzed: 2007-09-28 | Analyzed By: KB
Prep Batch: 35914 | QC Preparation: 2007-09-28 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.10	mg/L	1	1.00	<0.0104	110	72 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.15	mg/L	1	1.00	<0.0104	115	72 - 131	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0971	0.104	mg/L	1	0.100	97	104	72.1 - 120
4-Bromofluorobenzene (4-BFB)	0.0931	0.0999	mg/L	1	0.100	93	100	80.9 - 114

Matrix Spike (MS-1) Spiked Sample: 136218

QC Batch: 41089 | Date Analyzed: 2007-09-14 | Analyzed By: MT
Prep Batch: 35511 | QC Preparation: 2007-09-14 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.04	mg/L	1	1.00	<0.0104	104	55 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.04	mg/L	1	1.00	<0.0104	104	55 - 138	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0983	0.101	mg/L	1	0.1	98	101	75.5 - 111
4-Bromofluorobenzene (4-BFB)	0.100	0.102	mg/L	1	0.1	100	102	92.3 - 102

Matrix Spike (MS-1) Spiked Sample: 136615

QC Batch: 41147 Date Analyzed: 2007-09-17 Analyzed By: KB
Prep Batch: 35559 QC Preparation: 2007-09-17 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.24	mg/L	1	1.00	<0.0104	124	55 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.29	mg/L	1	1.00	<0.0104	129	55 - 138	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		0.105	0.111	mg/L	1	0.1	105	111	75.5 - 111
4-Bromofluorobenzene (4-BFB)	[2] [3]	0.105	0.108	mg/L	1	0.1	105	108	92.3 - 102

Matrix Spike (MS-1) Spiked Sample: 137212

QC Batch: 41406 Date Analyzed: 2007-09-24 Analyzed By: KB
Prep Batch: 35776 QC Preparation: 2007-09-24 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.951	mg/L	1	1.00	<0.0353	95	64.8 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.968	mg/L	1	1.00	<0.0353	97	64.8 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0856	0.0846	mg/L	1	0.1	86	85	70 - 121

continued . . .

[2] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[3] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.0813	0.0791	mg/L	1	0.1	81	79	64 - 127

Matrix Spike (MS-1) Spiked Sample: 137363

QC Batch: 41492 Date Analyzed: 2007-09-26 Analyzed By: KB
Prep Batch: 35849 QC Preparation: 2007-09-26 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.04	mg/L	1	1.00	<0.0104	104	55 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.18	mg/L	1	1.00	<0.0104	118	55 - 138	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	[4]	0.0877	0.113	mg/L	1	0.1	88	113	75.5 - 111
4-Bromofluorobenzene (4-BFB)	[5] [6]	0.0897	0.117	mg/L	1	0.1	90	117	92.3 - 102

Matrix Spike (MS-1) Spiked Sample: 137697

QC Batch: 41562 Date Analyzed: 2007-09-28 Analyzed By: KB
Prep Batch: 35914 QC Preparation: 2007-09-28 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.09	mg/L	1	1.00	<0.0104	109	55 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.06	mg/L	1	1.00	<0.0104	106	55 - 138	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.104	0.103	mg/L	1	0.1	104	103	75.5 - 111
4-Bromofluorobenzene (4-BFB)	0.0979	0.0979	mg/L	1	0.1	98	98	92.3 - 102

[4] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[5] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[6] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.

Standard (ICV-1)

QC Batch: 41089 Date Analyzed: 2007-09-14 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.07	107	85 - 115	2007-09-14

Standard (CCV-1)

QC Batch: 41089 Date Analyzed: 2007-09-14 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.05	105	85 - 115	2007-09-14

Standard (ICV-1)

QC Batch: 41147 Date Analyzed: 2007-09-17 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.15	115	85 - 115	2007-09-17

Standard (CCV-1)

QC Batch: 41147 Date Analyzed: 2007-09-17 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.14	114	85 - 115	2007-09-17

Standard (ICV-1)

QC Batch: 41361 Date Analyzed: 2007-09-21 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.03	103	85 - 115	2007-09-21

Standard (CCV-1)

QC Batch: 41361 Date Analyzed: 2007-09-21 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.955	96	85 - 115	2007-09-21

Standard (ICV-1)

QC Batch: 41406 Date Analyzed: 2007-09-24 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.13	113	85 - 115	2007-09-24

Standard (CCV-1)

QC Batch: 41406 Date Analyzed: 2007-09-24 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.03	103	85 - 115	2007-09-24

Standard (ICV-1)

QC Batch: 41492 Date Analyzed: 2007-09-26 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.14	114	85 - 115	2007-09-26

Standard (CCV-1)

QC Batch: 41492 Date Analyzed: 2007-09-26 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.08	108	85 - 115	2007-09-26

Standard (ICV-1)

QC Batch: 41562 Date Analyzed: 2007-09-28 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.12	112	85 - 115	2007-09-28

Standard (CCV-1)

QC Batch: 41562 Date Analyzed: 2007-09-28 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.14	114	85 - 115	2007-09-28

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 16, 2007

Work Order: 7091305

Project Name: HELSTF Chrome Spill
Project Number: 5

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136218	HLSF-0143-HMW-038-0907	water	2007-09-11	14:30	2007-09-11
136223	HLSF-0143-HMW-040-0907	water	2007-09-11	12:38	2007-09-11
136224	HLSF-0143-HMW-041-0907	water	2007-09-11	10:15	2007-09-11
136425	HLSF-0143-HMW-036-0907	water	2007-09-12	12:15	2007-09-12
136428	HLSF-0143-HMW-039-0907	water	2007-09-12	13:25	2007-09-12
136429	HLSF-0143-HMW-139-0907	water	2007-09-12	13:25	2007-09-12
136892	HLSF-0143-HMW-053-0907	water	2007-09-17	12:00	2007-09-17
136893	HLSF-0143-HMW-153-0907	water	2007-09-17	12:00	2007-09-17
136954	HLSF-0143-HMW-043-0907	water	2007-09-18	12:50	2007-09-18
137212	HLSF-0143-DRW-010-0907	water	2007-09-20	12:43	2007-09-20
137363	HLSF-0143-HMW-013-0907	water	2007-09-24	13:00	2007-09-24
137368	HLSF-0143-DRW-014-0907	water	2007-09-24	10:24	2007-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 46 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill, HELSTF Chrome Spill and HELSTF Chrome Spill were received by TraceAnalysis, Inc. on 2007-09-11, 2007-09-11, 2007-09-11, 2007-09-12, 2007-09-12, 2007-09-12, 2007-09-17, 2007-09-17, 2007-09-18, 2007-09-20, 2007-09-24 and 2007-09-24 and assigned to work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 respectively. Samples for work order 7091305 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091308 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091413 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091414 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091415 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7091925 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7091926 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092006 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7092307 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092602 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7092604 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7091305, 7091307, 7091308, 7091413, 7091414, 7091415, 7091925, 7091926, 7092006, 7092307, 7092602 and 7092604 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 136218 - HLSF-0143-HMW-038-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41117	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35532	Sample Preparation:	2007-09-13	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**11.8**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 136218 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.7	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		51.1	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 136223 - HLSF-0143-HMW-040-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41117	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35532	Sample Preparation:	2007-09-13	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0

continued . . .

sample 136223 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00

continued ...

sample 136223 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.6	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.5	µg/L	1	50.0	99	84.6 - 114

Sample: 136224 - HLSF-0143-HMW-041-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41117	Date Analyzed:	2007-09-13	Analyzed By:	JG
Prep Batch:	35532	Sample Preparation:	2007-09-13	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**3.98**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00

continued . . .

sample 136224 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		**1.37**		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**141**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.2	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		48.9	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 136425 - HLSF-0143-HMW-036-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41234	Date Analyzed:	2007-09-17	Analyzed By:	JG
Prep Batch:	35627	Sample Preparation:	2007-09-17	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 136425 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.3	µg/L	1	50.0	95	82.4 - 115
Toluene-d8		47.6	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.1	µg/L	1	50.0	92	84.6 - 114

Sample: 136428 - HLSF-0143-HMW-039-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41234	Date Analyzed:	2007-09-17	Analyzed By:	JG
Prep Batch:	35627	Sample Preparation:	2007-09-17	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued ...

sample 136428 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**1.34**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**43.0**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 136428 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.5	µg/L	1	50.0	97	82.4 - 115
Toluene-d8		48.0	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Sample: 136429 - HLSF-0143-HMW-139-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41234	Date Analyzed:	2007-09-17	Analyzed By:	JG
Prep Batch:	35627	Sample Preparation:	2007-09-17	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 136429 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,1-Dichloroethene		**1.33**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**46.1**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 136429 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.6	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	µg/L	1	50.0	97	84.6 - 114

Sample: 136892 - HLSF-0143-HMW-053-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00

continued . . .

sample 136892 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.5	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		50.1	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.2	µg/L	1	50.0	92	84.6 - 114

Sample: 136893 - HLSF-0143-HMW-153-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00

continued ...

sample 136893 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.8	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Sample: 136954 - HLSF-0143-HMW-043-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

sample 136954 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 136954 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.2	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		49.8	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.2	µg/L	1	50.0	96	84.6 - 114

Sample: 137212 - HLSF-0143-DRW-010-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued ...

sample 137212 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		49.4	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.4	µg/L	1	50.0	93	84.6 - 114

Sample: 137363 - HLSF-0143-HMW-013-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		**1.04**	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 137363 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.2	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		49.1	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.1	µg/L	1	50.0	96	84.6 - 114

Sample: 137368 - HLSF-0143-DRW-014-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	Sample Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued ...

sample 137368 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**11.8**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		**1.80**		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**144**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 137368 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.7	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 41117

QC Batch: 41117 Date Analyzed: 2007-09-13 Analyzed By: JG
Prep Batch: 35532 QC Preparation: 2007-09-13 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Methylene chloride		<0.375	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5

continued . . .

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.2	µg/L	1	50.0	90	82.4 - 115
Toluene-d8		48.3	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Method Blank (1) QC Batch: 41234

QC Batch: 41234 Date Analyzed: 2007-09-17 Analyzed By: JG
Prep Batch: 35627 QC Preparation: 2007-09-17 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.84	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		0.640	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		0.520	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.1	µg/L	1	50.0	94	82.4 - 115
Toluene-d8		48.5	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.3	µg/L	1	50.0	93	84.6 - 114

Method Blank (1) QC Batch: 41517

QC Batch:	41517	Date Analyzed:	2007-09-26	Analyzed By:	KB
Prep Batch:	35874	QC Preparation:	2007-09-26	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane	[1]	<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		2.73	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1

continued ...

[1] 1-Octene < 1.00 µg/L. Estimated concentration reported as TIC. •

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		1.43	µg/L	5
Hexachlorobutadiene		1.60	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.0	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 41117 | Date Analyzed: 2007-09-13 | Analyzed By: JG
Prep Batch: 35532 | QC Preparation: 2007-09-13 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	48.1	µg/L	1	50.0	<0.351	96	85.7 - 113
Dichlorodifluoromethane	40.2	µg/L	1	50.0	<0.306	80	60.3 - 134
Chloromethane (methyl chloride)	43.8	µg/L	1	50.0	<0.240	88	72 - 120
Vinyl Chloride	47.8	µg/L	1	50.0	<0.224	96	64.4 - 132
Bromomethane (methyl bromide)	48.6	µg/L	1	50.0	<0.325	97	65.9 - 133
Chloroethane	48.3	µg/L	1	50.0	<0.303	97	65.3 - 132
Trichlorofluoromethane	43.5	µg/L	1	50.0	<0.255	87	52.7 - 159
Acetone	46.2	µg/L	1	50.0	<1.86	92	10 - 185
Iodomethane (methyl iodide)	50.1	µg/L	1	50.0	<0.397	100	80.9 - 112
Carbon Disulfide	46.6	µg/L	1	50.0	<0.354	93	73.7 - 120
Acrylonitrile	47.0	µg/L	1	50.0	<0.306	94	75.8 - 121
2-Butanone (MEK)	53.5	µg/L	1	50.0	<0.670	107	43.7 - 117
4-Methyl-2-pentanone (MIBK)	48.7	µg/L	1	50.0	<0.463	97	69.3 - 120
2-Hexanone	49.7	µg/L	1	50.0	<0.303	99	35.6 - 138
trans 1,4-Dichloro-2-butene	44.8	µg/L	1	50.0	<0.407	90	40 - 128

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	46.9	µg/L	1	50.0	<0.326	94	83.4 - 114
Methylene chloride	38.0	µg/L	1	50.0	<0.375	76	62.6 - 119
MTBE	47.5	µg/L	1	50.0	<0.352	95	70 - 132
trans-1,2-Dichloroethene	48.1	µg/L	1	50.0	<0.322	96	83.3 - 114
1,1-Dichloroethane	45.2	µg/L	1	50.0	<0.324	90	81 - 124
cis-1,2-Dichloroethene	47.7	µg/L	1	50.0	<0.331	95	83.8 - 115
2,2-Dichloropropane	46.3	µg/L	1	50.0	<0.440	93	37.9 - 136
1,2-Dichloroethane (EDC)	42.0	µg/L	1	50.0	<0.327	84	67.8 - 131
Chloroform	44.4	µg/L	1	50.0	<0.345	89	75.1 - 125
1,1,1-Trichloroethane	44.0	µg/L	1	50.0	<0.303	88	72.9 - 123
1,1-Dichloropropene	47.2	µg/L	1	50.0	<0.356	94	85.9 - 119
Benzene	47.0	µg/L	1	50.0	<0.356	94	83.5 - 115
Carbon Tetrachloride	43.8	µg/L	1	50.0	<0.342	88	62.7 - 144
1,2-Dichloropropane	46.7	µg/L	1	50.0	<0.366	93	88.8 - 114
Trichloroethene (TCE)	48.3	µg/L	1	50.0	<0.434	97	91.3 - 111
Dibromomethane (methylene bromide)	46.7	µg/L	1	50.0	<0.406	93	84.2 - 118
Bromodichloromethane	44.8	µg/L	1	50.0	<0.325	90	79.5 - 127
2-Chloroethyl vinyl ether	47.6	µg/L	1	50.0	<0.366	95	75.1 - 128
cis-1,3-Dichloropropene	48.3	µg/L	1	50.0	<0.387	97	83.2 - 119
trans-1,3-Dichloropropene	49.2	µg/L	1	50.0	<0.367	98	77.4 - 126
Toluene	48.1	µg/L	1	50.0	<0.366	96	82 - 110
1,1,2-Trichloroethane	47.0	µg/L	1	50.0	<0.397	94	77 - 123
1,3-Dichloropropane	47.8	µg/L	1	50.0	<0.355	96	81.1 - 124
Dibromochloromethane	47.7	µg/L	1	50.0	<0.315	95	79 - 129
1,2-Dibromoethane (EDB)	48.8	µg/L	1	50.0	<0.340	98	78.6 - 126
Tetrachloroethene (PCE)	42.5	µg/L	1	50.0	<0.355	85	36.7 - 173
Chlorobenzene	48.4	µg/L	1	50.0	<0.363	97	87.9 - 109
1,1,1,2-Tetrachloroethane	48.6	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	47.6	µg/L	1	50.0	<0.350	95	82.4 - 116
m,p-Xylene	96.6	µg/L	1	100	<0.752	97	80 - 119
Bromoform	51.3	µg/L	1	50.0	<0.275	103	75.8 - 132
Styrene	51.4	µg/L	1	50.0	<0.395	103	84.2 - 117
o-Xylene	48.5	µg/L	1	50.0	<0.375	97	82.1 - 119
1,1,2,2-Tetrachloroethane	49.7	µg/L	1	50.0	<0.283	99	69.7 - 124
2-Chlorotoluene	47.5	µg/L	1	50.0	<0.445	95	76.5 - 123
1,2,3-Trichloropropane	48.9	µg/L	1	50.0	<0.430	98	66.3 - 130
Isopropylbenzene	50.0	µg/L	1	50.0	<0.521	100	78.3 - 123
Bromobenzene	47.7	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	48.2	µg/L	1	50.0	<0.483	96	72.6 - 122
1,3,5-Trimethylbenzene	49.3	µg/L	1	50.0	<0.487	99	69.6 - 127
tert-Butylbenzene	50.1	µg/L	1	50.0	<0.496	100	64 - 129
1,2,4-Trimethylbenzene	50.0	µg/L	1	50.0	<0.532	100	71 - 123
1,4-Dichlorobenzene (para)	49.0	µg/L	1	50.0	<0.413	98	74 - 118
sec-Butylbenzene	49.0	µg/L	1	50.0	<0.449	98	59.8 - 129
1,3-Dichlorobenzene (meta)	50.8	µg/L	1	50.0	<0.451	102	80.2 - 119
p-Isopropyltoluene	50.5	µg/L	1	50.0	<0.450	101	54.8 - 135
4-Chlorotoluene	48.4	µg/L	1	50.0	<0.489	97	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.1	µg/L	1	50.0	<0.438	104	80 - 120
n-Butylbenzene	49.2	µg/L	1	50.0	<0.461	98	51.1 - 136
1,2-Dibromo-3-chloropropane	50.2	µg/L	1	50.0	<0.532	100	38.2 - 151

continued ...

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2,3-Trichlorobenzene	[2]	92.7	µg/L	1	50.0	<0.288	185	25.4 - 158
1,2,4-Trichlorobenzene		64.7	µg/L	1	50.0	<0.273	129	38.2 - 140
Naphthalene	[3]	92.4	µg/L	1	50.0	<0.299	185	33.3 - 152
Hexachlorobutadiene		57.2	µg/L	1	50.0	<0.483	114	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	48.5	µg/L	1	50.0	<0.351	97	85.7 - 113	1	20
Dichlorodifluoromethane	40.4	µg/L	1	50.0	<0.306	81	60.3 - 134	0	20
Chloromethane (methyl chloride)	43.9	µg/L	1	50.0	<0.240	88	72 - 120	0	20
Vinyl Chloride	48.1	µg/L	1	50.0	<0.224	96	64.4 - 132	1	20
Bromomethane (methyl bromide)	48.6	µg/L	1	50.0	<0.325	97	65.9 - 133	0	20
Chloroethane	47.9	µg/L	1	50.0	<0.303	96	65.3 - 132	1	20
Trichlorofluoromethane	44.3	µg/L	1	50.0	<0.255	89	52.7 - 159	2	20
Acetone	44.6	µg/L	1	50.0	<1.86	89	10 - 185	4	20
Iodomethane (methyl iodide)	50.8	µg/L	1	50.0	<0.397	102	80.9 - 112	1	20
Carbon Disulfide	47.5	µg/L	1	50.0	<0.354	95	73.7 - 120	2	20
Acrylonitrile	46.9	µg/L	1	50.0	<0.306	94	75.8 - 121	0	20
2-Butanone (MEK)	53.9	µg/L	1	50.0	<0.670	108	43.7 - 117	1	20
4-Methyl-2-pentanone (MIBK)	47.7	µg/L	1	50.0	<0.463	95	69.3 - 120	2	20
2-Hexanone	48.3	µg/L	1	50.0	<0.303	97	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	45.2	µg/L	1	50.0	<0.407	90	40 - 128	1	20
1,1-Dichloroethene	47.3	µg/L	1	50.0	<0.326	95	83.4 - 114	1	20
Methylene chloride	38.2	µg/L	1	50.0	<0.375	76	62.6 - 119	0	20
MTBE	48.3	µg/L	1	50.0	<0.352	97	70 - 132	2	20
trans-1,2-Dichloroethene	48.7	µg/L	1	50.0	<0.322	97	83.3 - 114	1	20
1,1-Dichloroethane	45.6	µg/L	1	50.0	<0.324	91	81 - 124	1	20
cis-1,2-Dichloroethene	48.6	µg/L	1	50.0	<0.331	97	83.8 - 115	2	20
2,2-Dichloropropane	46.2	µg/L	1	50.0	<0.440	92	37.9 - 136	0	20
1,2-Dichloroethane (EDC)	42.0	µg/L	1	50.0	<0.327	84	67.8 - 131	0	20
Chloroform	45.1	µg/L	1	50.0	<0.345	90	75.1 - 125	2	20
1,1,1-Trichloroethane	44.2	µg/L	1	50.0	<0.303	88	72.9 - 123	0	20
1,1-Dichloropropene	47.9	µg/L	1	50.0	<0.356	96	85.9 - 119	2	20
Benzene	48.4	µg/L	1	50.0	<0.356	97	83.5 - 115	3	20
Carbon Tetrachloride	45.3	µg/L	1	50.0	<0.342	91	62.7 - 144	3	20
1,2-Dichloropropane	47.7	µg/L	1	50.0	<0.366	95	88.8 - 114	2	20
Trichloroethene (TCE)	49.6	µg/L	1	50.0	<0.434	99	91.3 - 111	3	20
Dibromomethane (methylene bromide)	47.7	µg/L	1	50.0	<0.406	95	84.2 - 118	2	20
Bromodichloromethane	46.2	µg/L	1	50.0	<0.325	92	79.5 - 127	3	20
2-Chloroethyl vinyl ether	48.6	µg/L	1	50.0	<0.366	97	75.1 - 128	2	20
cis-1,3-Dichloropropene	49.9	µg/L	1	50.0	<0.387	100	83.2 - 119	3	20
trans-1,3-Dichloropropene	50.0	µg/L	1	50.0	<0.367	100	77.4 - 126	2	20
Toluene	49.1	µg/L	1	50.0	<0.366	98	82 - 110	2	20
1,1,2-Trichloroethane	47.6	µg/L	1	50.0	<0.397	95	77 - 123	1	20
1,3-Dichloropropane	48.1	µg/L	1	50.0	<0.355	96	81.1 - 124	1	20
Dibromochloromethane	48.6	µg/L	1	50.0	<0.315	97	79 - 129	2	20
1,2-Dibromoethane (EDB)	49.5	µg/L	1	50.0	<0.340	99	78.6 - 126	1	20

continued ...

[2]Spike recovery out of control limits. Concentration biased high. •
[3]Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Tetrachloroethene (PCE)		43.8	µg/L	1	50.0	<0.355	88	36.7 - 173	3	20
Chlorobenzene		49.6	µg/L	1	50.0	<0.363	99	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane		49.1	µg/L	1	50.0	<0.338	98	80.5 - 125	1	20
Ethylbenzene		48.7	µg/L	1	50.0	<0.350	97	82.4 - 116	2	20
m,p-Xylene		98.0	µg/L	1	100	<0.752	98	80 - 119	1	20
Bromoform		52.8	µg/L	1	50.0	<0.275	106	75.8 - 132	3	20
Styrene		52.2	µg/L	1	50.0	<0.395	104	84.2 - 117	2	20
o-Xylene		49.4	µg/L	1	50.0	<0.375	99	82.1 - 119	2	20
1,1,2,2-Tetrachloroethane		51.1	µg/L	1	50.0	<0.283	102	69.7 - 124	3	20
2-Chlorotoluene		48.6	µg/L	1	50.0	<0.445	97	76.5 - 123	2	20
1,2,3-Trichloropropane		49.0	µg/L	1	50.0	<0.430	98	66.3 - 130	0	20
Isopropylbenzene		51.0	µg/L	1	50.0	<0.521	102	78.3 - 123	2	20
Bromobenzene		48.5	µg/L	1	50.0	<0.494	97	79.9 - 122	2	20
n-Propylbenzene		48.9	µg/L	1	50.0	<0.483	98	72.6 - 122	1	20
1,3,5-Trimethylbenzene		50.3	µg/L	1	50.0	<0.487	101	69.6 - 127	2	20
tert-Butylbenzene		50.8	µg/L	1	50.0	<0.496	102	64 - 129	1	20
1,2,4-Trimethylbenzene		50.7	µg/L	1	50.0	<0.532	101	71 - 123	1	20
1,4-Dichlorobenzene (para)		50.0	µg/L	1	50.0	<0.413	100	74 - 118	2	20
sec-Butylbenzene		49.9	µg/L	1	50.0	<0.449	100	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)		51.5	µg/L	1	50.0	<0.451	103	80.2 - 119	1	20
p-Isopropyltoluene		51.4	µg/L	1	50.0	<0.450	103	54.8 - 135	2	20
4-Chlorotoluene		49.1	µg/L	1	50.0	<0.489	98	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)		53.4	µg/L	1	50.0	<0.438	107	80 - 120	2	20
n-Butylbenzene		49.7	µg/L	1	50.0	<0.461	99	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane		52.0	µg/L	1	50.0	<0.532	104	38.2 - 151	4	20
1,2,3-Trichlorobenzene	[4]	95.5	µg/L	1	50.0	<0.288	191	25.4 - 158	3	20
1,2,4-Trichlorobenzene		66.2	µg/L	1	50.0	<0.273	132	38.2 - 140	2	20
Naphthalene	[5]	95.9	µg/L	1	50.0	<0.299	192	33.3 - 152	4	20
Hexachlorobutadiene		58.1	µg/L	1	50.0	<0.483	116	49.1 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	46.9	44.2	µg/L	1	50.0	94	88	82.4 - 115
Toluene-d8	48.8	46.6	µg/L	1	50.0	98	93	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.2	47.0	µg/L	1	50.0	98	94	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 41234 | Date Analyzed: 2007-09-17 | Analyzed By: JG
Prep Batch: 35627 | QC Preparation: 2007-09-17 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.2	µg/L	1	50.0	<0.351	98	85.7 - 113
Dichlorodifluoromethane	36.7	µg/L	1	50.0	<0.306	73	60.3 - 134

continued ...

[4] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[5] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloromethane (methyl chloride)	41.3	µg/L	1	50.0	<0.240	83	72 - 120
Vinyl Chloride	46.5	µg/L	1	50.0	<0.224	93	64.4 - 132
Bromomethane (methyl bromide)	48.2	µg/L	1	50.0	<0.325	96	65.9 - 133
Chloroethane	47.4	µg/L	1	50.0	<0.303	95	65.3 - 132
Trichlorofluoromethane	45.5	µg/L	1	50.0	<0.255	91	52.7 - 159
Acetone	33.5	µg/L	1	50.0	<1.86	67	10 - 185
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.397	100	80.9 - 112
Carbon Disulfide	45.4	µg/L	1	50.0	<0.354	91	73.7 - 120
Acrylonitrile	44.4	µg/L	1	50.0	<0.306	89	75.8 - 121
2-Butanone (MEK)	45.7	µg/L	1	50.0	<0.670	91	43.7 - 117
4-Methyl-2-pentanone (MIBK)	47.1	µg/L	1	50.0	<0.463	94	69.3 - 120
2-Hexanone	41.3	µg/L	1	50.0	<0.303	83	35.6 - 138
trans 1,4-Dichloro-2-butene	41.1	µg/L	1	50.0	<0.407	82	40 - 128
1,1-Dichloroethene	46.0	µg/L	1	50.0	<0.326	92	83.4 - 114
Methylene chloride	35.8	µg/L	1	50.0	<0.375	72	62.6 - 119
MTBE	48.4	µg/L	1	50.0	<0.352	97	70 - 132
trans-1,2-Dichloroethene	47.2	µg/L	1	50.0	<0.322	94	83.3 - 114
1,1-Dichloroethane	45.1	µg/L	1	50.0	<0.324	90	81 - 124
cis-1,2-Dichloroethene	47.0	µg/L	1	50.0	<0.331	94	83.8 - 115
2,2-Dichloropropane	32.4	µg/L	1	50.0	<0.440	65	37.9 - 136
1,2-Dichloroethane (EDC)	43.6	µg/L	1	50.0	<0.327	87	67.8 - 131
Chloroform	45.4	µg/L	1	50.0	<0.345	91	75.1 - 125
1,1,1-Trichloroethane	45.5	µg/L	1	50.0	<0.303	91	72.9 - 123
1,1-Dichloropropene	48.2	µg/L	1	50.0	<0.356	96	85.9 - 119
Benzene	47.8	µg/L	1	50.0	<0.356	96	83.5 - 115
Carbon Tetrachloride	47.9	µg/L	1	50.0	<0.342	96	62.7 - 144
1,2-Dichloropropane	47.3	µg/L	1	50.0	<0.366	95	88.8 - 114
Trichloroethene (TCE)	49.1	µg/L	1	50.0	<0.434	98	91.3 - 111
Dibromomethane (methylene bromide)	48.5	µg/L	1	50.0	<0.406	97	84.2 - 118
Bromodichloromethane	48.1	µg/L	1	50.0	<0.325	96	79.5 - 127
2-Chloroethyl vinyl ether	48.2	µg/L	1	50.0	<0.366	96	75.1 - 128
cis-1,3-Dichloropropene	47.3	µg/L	1	50.0	<0.387	95	83.2 - 119
trans-1,3-Dichloropropene	48.6	µg/L	1	50.0	<0.367	97	77.4 - 126
Toluene	48.7	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	47.2	µg/L	1	50.0	<0.397	94	77 - 123
1,3-Dichloropropane	48.3	µg/L	1	50.0	<0.355	97	81.1 - 124
Dibromochloromethane	49.7	µg/L	1	50.0	<0.315	99	79 - 129
1,2-Dibromoethane (EDB)	49.5	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	40.7	µg/L	1	50.0	<0.355	81	36.7 - 173
Chlorobenzene	48.8	µg/L	1	50.0	<0.363	98	87.9 - 109
1,1,1,2-Tetrachloroethane	50.7	µg/L	1	50.0	<0.338	101	80.5 - 125
Ethylbenzene	47.7	µg/L	1	50.0	<0.350	95	82.4 - 116
m,p-Xylene	95.7	µg/L	1	100	<0.752	96	80 - 119
Bromoform	54.2	µg/L	1	50.0	<0.275	108	75.8 - 132
Styrene	50.8	µg/L	1	50.0	<0.395	102	84.2 - 117
o-Xylene	48.7	µg/L	1	50.0	<0.375	97	82.1 - 119
1,1,2,2-Tetrachloroethane	51.7	µg/L	1	50.0	<0.283	103	69.7 - 124
2-Chlorotoluene	46.5	µg/L	1	50.0	<0.445	93	76.5 - 123
1,2,3-Trichloropropane	46.3	µg/L	1	50.0	<0.430	93	66.3 - 130
Isopropylbenzene	48.1	µg/L	1	50.0	<0.521	96	78.3 - 123

continued ...

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromobenzene		46.2	µg/L	1	50.0	<0.494	92	79.9 - 122
n-Propylbenzene		45.3	µg/L	1	50.0	<0.483	91	72.6 - 122
1,3,5-Trimethylbenzene		47.8	µg/L	1	50.0	<0.487	96	69.6 - 127
tert-Butylbenzene		48.8	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene		48.4	µg/L	1	50.0	<0.532	97	71 - 123
1,4-Dichlorobenzene (para)		48.0	µg/L	1	50.0	<0.413	96	74 - 118
sec-Butylbenzene		46.5	µg/L	1	50.0	<0.449	93	59.8 - 129
1,3-Dichlorobenzene (meta)		49.7	µg/L	1	50.0	<0.451	99	80.2 - 119
p-Isopropyltoluene		48.1	µg/L	1	50.0	<0.450	96	54.8 - 135
4-Chlorotoluene		47.0	µg/L	1	50.0	<0.489	94	78.9 - 124
1,2-Dichlorobenzene (ortho)		51.6	µg/L	1	50.0	<0.438	103	80 - 120
n-Butylbenzene		45.0	µg/L	1	50.0	<0.461	90	51.1 - 136
1,2-Dibromo-3-chloropropane		53.5	µg/L	1	50.0	<0.532	107	38.2 - 151
1,2,3-Trichlorobenzene	[6]	86.0	µg/L	1	50.0	<0.288	172	25.4 - 158
1,2,4-Trichlorobenzene		61.2	µg/L	1	50.0	<0.273	122	38.2 - 140
Naphthalene	[7]	84.2	µg/L	1	50.0	<0.299	168	33.3 - 152
Hexachlorobutadiene		56.2	µg/L	1	50.0	<0.483	112	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	48.8	µg/L	1	50.0	<0.351	98	85.7 - 113	1	20
Dichlorodifluoromethane	37.1	µg/L	1	50.0	<0.306	74	60.3 - 134	1	20
Chloromethane (methyl chloride)	41.2	µg/L	1	50.0	<0.240	82	72 - 120	0	20
Vinyl Chloride	46.1	µg/L	1	50.0	<0.224	92	64.4 - 132	1	20
Bromomethane (methyl bromide)	46.6	µg/L	1	50.0	<0.325	93	65.9 - 133	3	20
Chloroethane	46.9	µg/L	1	50.0	<0.303	94	65.3 - 132	1	20
Trichlorofluoromethane	45.3	µg/L	1	50.0	<0.255	91	52.7 - 159	0	20
Acetone	32.3	µg/L	1	50.0	<1.86	65	10 - 185	4	20
Iodomethane (methyl iodide)	49.0	µg/L	1	50.0	<0.397	98	80.9 - 112	2	20
Carbon Disulfide	43.9	µg/L	1	50.0	<0.354	88	73.7 - 120	3	20
Acrylonitrile	45.2	µg/L	1	50.0	<0.306	90	75.8 - 121	2	20
2-Butanone (MEK)	45.9	µg/L	1	50.0	<0.670	92	43.7 - 117	0	20
4-Methyl-2-pentanone (MIBK)	45.6	µg/L	1	50.0	<0.463	91	69.3 - 120	3	20
2-Hexanone	42.2	µg/L	1	50.0	<0.303	84	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	39.5	µg/L	1	50.0	<0.407	79	40 - 128	4	20
1,1-Dichloroethene	44.9	µg/L	1	50.0	<0.326	90	83.4 - 114	2	20
Methylene chloride	33.2	µg/L	1	50.0	<0.375	66	62.6 - 119	8	20
MTBE	47.5	µg/L	1	50.0	<0.352	95	70 - 132	2	20
trans-1,2-Dichloroethene	45.8	µg/L	1	50.0	<0.322	92	83.3 - 114	3	20
1,1-Dichloroethane	43.9	µg/L	1	50.0	<0.324	88	81 - 124	3	20
cis-1,2-Dichloroethene	45.8	µg/L	1	50.0	<0.331	92	83.8 - 115	3	20
2,2-Dichloropropane	30.7	µg/L	1	50.0	<0.440	61	37.9 - 136	5	20
1,2-Dichloroethane (EDC)	43.0	µg/L	1	50.0	<0.327	86	67.8 - 131	1	20
Chloroform	44.3	µg/L	1	50.0	<0.345	89	75.1 - 125	2	20
1,1,1-Trichloroethane	44.7	µg/L	1	50.0	<0.303	89	72.9 - 123	2	20
1,1-Dichloropropene	47.3	µg/L	1	50.0	<0.356	95	85.9 - 119	2	20
Benzene	46.6	µg/L	1	50.0	<0.356	93	83.5 - 115	2	20

continued ...

[6] Spike recovery out of control limits. Concentration biased high. •
[7] Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Carbon Tetrachloride	47.0	µg/L	1	50.0	<0.342	94	62.7 - 144	2	20
1,2-Dichloropropane	45.8	µg/L	1	50.0	<0.366	92	88.8 - 114	3	20
Trichloroethene (TCE)	47.8	µg/L	1	50.0	<0.434	96	91.3 - 111	3	20
Dibromomethane (methylene bromide)	47.6	µg/L	1	50.0	<0.406	95	84.2 - 118	2	20
Bromodichloromethane	46.8	µg/L	1	50.0	<0.325	94	79.5 - 127	3	20
2-Chloroethyl vinyl ether	46.7	µg/L	1	50.0	<0.366	93	75.1 - 128	3	20
cis-1,3-Dichloropropene	45.9	µg/L	1	50.0	<0.387	92	83.2 - 119	3	20
trans-1,3-Dichloropropene	47.3	µg/L	1	50.0	<0.367	95	77.4 - 126	3	20
Toluene	47.6	µg/L	1	50.0	<0.366	95	82 - 110	2	20
1,1,2-Trichloroethane	46.4	µg/L	1	50.0	<0.397	93	77 - 123	2	20
1,3-Dichloropropane	47.6	µg/L	1	50.0	<0.355	95	81.1 - 124	1	20
Dibromochloromethane	48.8	µg/L	1	50.0	<0.315	98	79 - 129	2	20
1,2-Dibromoethane (EDB)	48.7	µg/L	1	50.0	<0.340	97	78.6 - 126	2	20
Tetrachloroethene (PCE)	39.8	µg/L	1	50.0	<0.355	80	36.7 - 173	2	20
Chlorobenzene	47.2	µg/L	1	50.0	<0.363	94	87.9 - 109	3	20
1,1,1,2-Tetrachloroethane	49.8	µg/L	1	50.0	<0.338	100	80.5 - 125	2	20
Ethylbenzene	46.6	µg/L	1	50.0	<0.350	93	82.4 - 116	2	20
m,p-Xylene	93.9	µg/L	1	100	<0.752	94	80 - 119	2	20
Bromoform	53.2	µg/L	1	50.0	<0.275	106	75.8 - 132	2	20
Styrene	50.3	µg/L	1	50.0	<0.395	101	84.2 - 117	1	20
o-Xylene	48.0	µg/L	1	50.0	<0.375	96	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	50.8	µg/L	1	50.0	<0.283	102	69.7 - 124	2	20
2-Chlorotoluene	45.7	µg/L	1	50.0	<0.445	91	76.5 - 123	2	20
1,2,3-Trichloropropane	45.9	µg/L	1	50.0	<0.430	92	66.3 - 130	1	20
Isopropylbenzene	47.5	µg/L	1	50.0	<0.521	95	78.3 - 123	1	20
Bromobenzene	46.0	µg/L	1	50.0	<0.494	92	79.9 - 122	0	20
n-Propylbenzene	44.8	µg/L	1	50.0	<0.483	90	72.6 - 122	1	20
1,3,5-Trimethylbenzene	47.1	µg/L	1	50.0	<0.487	94	69.6 - 127	2	20
tert-Butylbenzene	47.9	µg/L	1	50.0	<0.496	96	64 - 129	2	20
1,2,4-Trimethylbenzene	47.4	µg/L	1	50.0	<0.532	95	71 - 123	2	20
1,4-Dichlorobenzene (para)	47.2	µg/L	1	50.0	<0.413	94	74 - 118	2	20
sec-Butylbenzene	45.8	µg/L	1	50.0	<0.449	92	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	48.4	µg/L	1	50.0	<0.451	97	80.2 - 119	3	20
p-Isopropyltoluene	47.3	µg/L	1	50.0	<0.450	95	54.8 - 135	2	20
4-Chlorotoluene	45.9	µg/L	1	50.0	<0.489	92	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	50.7	µg/L	1	50.0	<0.438	101	80 - 120	2	20
n-Butylbenzene	44.2	µg/L	1	50.0	<0.461	88	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane	52.1	µg/L	1	50.0	<0.532	104	38.2 - 151	3	20
1,2,3-Trichlorobenzene [8]	86.1	µg/L	1	50.0	<0.288	172	25.4 - 158	0	20
1,2,4-Trichlorobenzene	59.1	µg/L	1	50.0	<0.273	118	38.2 - 140	4	20
Naphthalene [9]	81.3	µg/L	1	50.0	<0.299	163	33.3 - 152	4	20
Hexachlorobutadiene	54.7	µg/L	1	50.0	<0.483	109	49.1 - 134	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	45.1	45.2	µg/L	1	50.0	90	90	82.4 - 115
Toluene-d8	46.6	46.5	µg/L	1	50.0	93	93	89.7 - 108

continued ...

[8] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[9] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	47.1	46.6	µg/L	1	50.0	94	93	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 41517 Date Analyzed: 2007-09-26 Analyzed By: KB
Prep Batch: 35874 QC Preparation: 2007-09-26 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.1	µg/L	1	50.0	<0.351	102	85.7 - 113
Dichlorodifluoromethane	53.7	µg/L	1	50.0	<0.306	107	60.3 - 134
Chloromethane (methyl chloride)	52.3	µg/L	1	50.0	<0.240	105	72 - 120
Vinyl Chloride	51.6	µg/L	1	50.0	<0.224	103	64.4 - 132
Bromomethane (methyl bromide)	52.5	µg/L	1	50.0	<0.325	105	65.9 - 133
Chloroethane	50.9	µg/L	1	50.0	<0.303	102	65.3 - 132
Trichlorofluoromethane	53.4	µg/L	1	50.0	<0.255	107	52.7 - 159
Acetone	49.2	µg/L	1	50.0	<1.86	98	10 - 185
Iodomethane (methyl iodide)	53.5	µg/L	1	50.0	<0.397	107	80.9 - 112
Carbon Disulfide	53.0	µg/L	1	50.0	<0.354	106	73.7 - 120
Acrylonitrile	55.9	µg/L	1	50.0	<0.306	112	75.8 - 121
2-Butanone (MEK)	55.5	µg/L	1	50.0	<0.670	111	43.7 - 117
4-Methyl-2-pentanone (MIBK)	53.1	µg/L	1	50.0	<0.463	106	69.3 - 120
2-Hexanone	55.0	µg/L	1	50.0	<0.303	110	35.6 - 138
trans 1,4-Dichloro-2-butene	55.5	µg/L	1	50.0	<0.407	111	40 - 128
1,1-Dichloroethene	51.9	µg/L	1	50.0	<0.326	104	83.4 - 114
Methylene chloride	46.2	µg/L	1	50.0	<0.375	92	62.6 - 119
MTBE	53.4	µg/L	1	50.0	<0.352	107	70 - 132
trans-1,2-Dichloroethene	52.2	µg/L	1	50.0	<0.322	104	83.3 - 114
1,1-Dichloroethane	52.1	µg/L	1	50.0	<0.324	104	81 - 124
cis-1,2-Dichloroethene	52.9	µg/L	1	50.0	<0.331	106	83.8 - 115
2,2-Dichloropropane	49.5	µg/L	1	50.0	<0.440	99	37.9 - 136
1,2-Dichloroethane (EDC)	52.8	µg/L	1	50.0	<0.327	106	67.8 - 131
Chloroform	48.8	µg/L	1	50.0	<0.345	98	75.1 - 125
1,1,1-Trichloroethane	53.0	µg/L	1	50.0	<0.303	106	72.9 - 123
1,1-Dichloropropene	51.9	µg/L	1	50.0	<0.356	104	85.9 - 119
Benzene	51.1	µg/L	1	50.0	<0.356	102	83.5 - 115
Carbon Tetrachloride	54.0	µg/L	1	50.0	<0.342	108	62.7 - 144
1,2-Dichloropropane	51.6	µg/L	1	50.0	<0.366	103	88.8 - 114
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.434	104	91.3 - 111
Dibromomethane (methylene bromide)	52.9	µg/L	1	50.0	<0.406	106	84.2 - 118
Bromodichloromethane	50.9	µg/L	1	50.0	<0.325	102	79.5 - 127
2-Chloroethyl vinyl ether	53.0	µg/L	1	50.0	<0.366	106	75.1 - 128
cis-1,3-Dichloropropene	53.0	µg/L	1	50.0	<0.387	106	83.2 - 119
trans-1,3-Dichloropropene	54.7	µg/L	1	50.0	<0.367	109	77.4 - 126
Toluene	51.5	µg/L	1	50.0	<0.366	103	82 - 110
1,1,2-Trichloroethane	49.5	µg/L	1	50.0	<0.397	99	77 - 123
1,3-Dichloropropane	51.0	µg/L	1	50.0	<0.355	102	81.1 - 124
Dibromochloromethane	52.2	µg/L	1	50.0	<0.315	104	79 - 129
1,2-Dibromoethane (EDB)	52.9	µg/L	1	50.0	<0.340	106	78.6 - 126

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Tetrachloroethene (PCE)	52.4	µg/L	1	50.0	<0.355	105	36.7 - 173
Chlorobenzene	52.2	µg/L	1	50.0	<0.363	104	87.9 - 109
1,1,1,2-Tetrachloroethane	51.6	µg/L	1	50.0	<0.338	103	80.5 - 125
Ethylbenzene	52.6	µg/L	1	50.0	<0.350	105	82.4 - 116
m,p-Xylene	103	µg/L	1	100	<0.752	103	80 - 119
Bromoform	55.0	µg/L	1	50.0	<0.275	110	75.8 - 132
Styrene	53.9	µg/L	1	50.0	<0.395	108	84.2 - 117
o-Xylene	51.8	µg/L	1	50.0	<0.375	104	82.1 - 119
1,1,2,2-Tetrachloroethane	52.6	µg/L	1	50.0	<0.283	105	69.7 - 124
2-Chlorotoluene	50.7	µg/L	1	50.0	<0.445	101	76.5 - 123
1,2,3-Trichloropropane	51.7	µg/L	1	50.0	<0.430	103	66.3 - 130
Isopropylbenzene	51.1	µg/L	1	50.0	<0.521	102	78.3 - 123
Bromobenzene	51.6	µg/L	1	50.0	<0.494	103	79.9 - 122
n-Propylbenzene	51.0	µg/L	1	50.0	<0.483	102	72.6 - 122
1,3,5-Trimethylbenzene	47.3	µg/L	1	50.0	<0.487	95	69.6 - 127
tert-Butylbenzene	48.1	µg/L	1	50.0	<0.496	96	64 - 129
1,2,4-Trimethylbenzene	48.2	µg/L	1	50.0	<0.532	96	71 - 123
1,4-Dichlorobenzene (para)	51.4	µg/L	1	50.0	<0.413	103	74 - 118
sec-Butylbenzene	50.7	µg/L	1	50.0	<0.449	101	59.8 - 129
1,3-Dichlorobenzene (meta)	52.9	µg/L	1	50.0	<0.451	106	80.2 - 119
p-Isopropyltoluene	51.2	µg/L	1	50.0	<0.450	102	54.8 - 135
4-Chlorotoluene	51.3	µg/L	1	50.0	<0.489	103	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.3	µg/L	1	50.0	<0.438	105	80 - 120
n-Butylbenzene	47.4	µg/L	1	50.0	<0.461	95	51.1 - 136
1,2-Dibromo-3-chloropropane	54.2	µg/L	1	50.0	<0.532	108	38.2 - 151
1,2,3-Trichlorobenzene	73.8	µg/L	1	50.0	<0.288	148	25.4 - 158
1,2,4-Trichlorobenzene	60.8	µg/L	1	50.0	<0.273	122	38.2 - 140
Naphthalene	74.4	µg/L	1	50.0	<0.299	149	33.3 - 152
Hexachlorobutadiene	54.4	µg/L	1	50.0	<0.483	109	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.5	µg/L	1	50.0	<0.351	101	85.7 - 113	1	20
Dichlorodifluoromethane	55.7	µg/L	1	50.0	<0.306	111	60.3 - 134	4	20
Chloromethane (methyl chloride)	52.2	µg/L	1	50.0	<0.240	104	72 - 120	0	20
Vinyl Chloride	51.2	µg/L	1	50.0	<0.224	102	64.4 - 132	1	20
Bromomethane (methyl bromide)	51.6	µg/L	1	50.0	<0.325	103	65.9 - 133	2	20
Chloroethane	50.8	µg/L	1	50.0	<0.303	102	65.3 - 132	0	20
Trichlorofluoromethane	52.7	µg/L	1	50.0	<0.255	105	52.7 - 159	1	20
Acetone	47.5	µg/L	1	50.0	<1.86	95	10 - 185	4	20
Iodomethane (methyl iodide)	52.9	µg/L	1	50.0	<0.397	106	80.9 - 112	1	20
Carbon Disulfide	52.0	µg/L	1	50.0	<0.354	104	73.7 - 120	2	20
Acrylonitrile	53.7	µg/L	1	50.0	<0.306	107	75.8 - 121	4	20
2-Butanone (MEK)	50.8	µg/L	1	50.0	<0.670	102	43.7 - 117	9	20
4-Methyl-2-pentanone (MIBK)	54.0	µg/L	1	50.0	<0.463	108	69.3 - 120	2	20
2-Hexanone	53.6	µg/L	1	50.0	<0.303	107	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	53.0	µg/L	1	50.0	<0.407	106	40 - 128	5	20
1,1-Dichloroethene	51.2	µg/L	1	50.0	<0.326	102	83.4 - 114	1	20
Methylene chloride	45.3	µg/L	1	50.0	<0.375	91	62.6 - 119	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	52.1	µg/L	1	50.0	<0.352	104	70 - 132	2	20
trans-1,2-Dichloroethene	51.1	µg/L	1	50.0	<0.322	102	83.3 - 114	2	20
1,1-Dichloroethane	51.3	µg/L	1	50.0	<0.324	103	81 - 124	2	20
cis-1,2-Dichloroethene	52.1	µg/L	1	50.0	<0.331	104	83.8 - 115	2	20
2,2-Dichloropropane	47.9	µg/L	1	50.0	<0.440	96	37.9 - 136	3	20
1,2-Dichloroethane (EDC)	52.6	µg/L	1	50.0	<0.327	105	67.8 - 131	0	20
Chloroform	48.6	µg/L	1	50.0	<0.345	97	75.1 - 125	0	20
1,1,1-Trichloroethane	52.6	µg/L	1	50.0	<0.303	105	72.9 - 123	1	20
1,1-Dichloropropene	50.8	µg/L	1	50.0	<0.356	102	85.9 - 119	2	20
Benzene	50.4	µg/L	1	50.0	<0.356	101	83.5 - 115	1	20
Carbon Tetrachloride	52.1	µg/L	1	50.0	<0.342	104	62.7 - 144	4	20
1,2-Dichloropropane	50.0	µg/L	1	50.0	<0.366	100	88.8 - 114	3	20
Trichloroethene (TCE)	50.7	µg/L	1	50.0	<0.434	101	91.3 - 111	2	20
Dibromomethane (methylene bromide)	52.0	µg/L	1	50.0	<0.406	104	84.2 - 118	2	20
Bromodichloromethane	50.5	µg/L	1	50.0	<0.325	101	79.5 - 127	1	20
2-Chloroethyl vinyl ether	51.4	µg/L	1	50.0	<0.366	103	75.1 - 128	3	20
cis-1,3-Dichloropropene	51.6	µg/L	1	50.0	<0.387	103	83.2 - 119	3	20
trans-1,3-Dichloropropene	53.3	µg/L	1	50.0	<0.367	107	77.4 - 126	3	20
Toluene	50.5	µg/L	1	50.0	<0.366	101	82 - 110	2	20
1,1,2-Trichloroethane	49.0	µg/L	1	50.0	<0.397	98	77 - 123	1	20
1,3-Dichloropropane	50.1	µg/L	1	50.0	<0.355	100	81.1 - 124	2	20
Dibromochloromethane	50.9	µg/L	1	50.0	<0.315	102	79 - 129	2	20
1,2-Dibromoethane (EDB)	52.0	µg/L	1	50.0	<0.340	104	78.6 - 126	2	20
Tetrachloroethene (PCE)	52.1	µg/L	1	50.0	<0.355	104	36.7 - 173	1	20
Chlorobenzene	51.5	µg/L	1	50.0	<0.363	103	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	50.9	µg/L	1	50.0	<0.338	102	80.5 - 125	1	20
Ethylbenzene	51.7	µg/L	1	50.0	<0.350	103	82.4 - 116	2	20
m,p-Xylene	101	µg/L	1	100	<0.752	101	80 - 119	2	20
Bromoform	53.6	µg/L	1	50.0	<0.275	107	75.8 - 132	3	20
Styrene	52.4	µg/L	1	50.0	<0.395	105	84.2 - 117	3	20
o-Xylene	50.4	µg/L	1	50.0	<0.375	101	82.1 - 119	3	20
1,1,2,2-Tetrachloroethane	51.7	µg/L	1	50.0	<0.283	103	69.7 - 124	2	20
2-Chlorotoluene	50.5	µg/L	1	50.0	<0.445	101	76.5 - 123	0	20
1,2,3-Trichloropropane	51.0	µg/L	1	50.0	<0.430	102	66.3 - 130	1	20
Isopropylbenzene	50.6	µg/L	1	50.0	<0.521	101	78.3 - 123	1	20
Bromobenzene	51.1	µg/L	1	50.0	<0.494	102	79.9 - 122	1	20
n-Propylbenzene	51.0	µg/L	1	50.0	<0.483	102	72.6 - 122	0	20
1,3,5-Trimethylbenzene	47.2	µg/L	1	50.0	<0.487	94	69.6 - 127	0	20
tert-Butylbenzene	48.1	µg/L	1	50.0	<0.496	96	64 - 129	0	20
1,2,4-Trimethylbenzene	47.9	µg/L	1	50.0	<0.532	96	71 - 123	1	20
1,4-Dichlorobenzene (para)	51.0	µg/L	1	50.0	<0.413	102	74 - 118	1	20
sec-Butylbenzene	50.5	µg/L	1	50.0	<0.449	101	59.8 - 129	0	20
1,3-Dichlorobenzene (meta)	52.1	µg/L	1	50.0	<0.451	104	80.2 - 119	2	20
p-Isopropyltoluene	50.2	µg/L	1	50.0	<0.450	100	54.8 - 135	2	20
4-Chlorotoluene	51.3	µg/L	1	50.0	<0.489	103	78.9 - 124	0	20
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.438	102	80 - 120	2	20
n-Butylbenzene	47.0	µg/L	1	50.0	<0.461	94	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	55.4	µg/L	1	50.0	<0.532	111	38.2 - 151	2	20
1,2,3-Trichlorobenzene [10]	79.4	µg/L	1	50.0	<0.288	159	25.4 - 158	7	20

continued ...

[10] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene	61.6	µg/L	1	50.0	<0.273	123	38.2 - 140	1	20
Naphthalene [11]	77.9	µg/L	1	50.0	<0.299	156	33.3 - 152	5	20
Hexachlorobutadiene	53.8	µg/L	1	50.0	<0.483	108	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.8	50.0	µg/L	1	50.0	100	100	82.4 - 115
Toluene-d8	49.0	49.4	µg/L	1	50.0	98	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.0	49.8	µg/L	1	50.0	100	100	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 136954

QC Batch: 41517 Date Analyzed: 2007-09-26 Analyzed By: KB
Prep Batch: 35874 QC Preparation: 2007-09-26 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.1	µg/L	1	50.0	<0.0699	104	82.5 - 118
Dichlorodifluoromethane	55.3	µg/L	1	50.0	<0.0598	111	46.8 - 125
Chloromethane (methyl chloride)	57.7	µg/L	1	50.0	<0.230	115	67.1 - 127
Vinyl Chloride	51.1	µg/L	1	50.0	<0.0902	102	63.7 - 129
Bromomethane (methyl bromide)	52.0	µg/L	1	50.0	<0.740	104	65.7 - 127
Chloroethane	49.5	µg/L	1	50.0	<0.195	99	69.9 - 131
Trichlorofluoromethane	56.6	µg/L	1	50.0	<0.160	113	60.2 - 134
Acetone	60.4	µg/L	1	50.0	<0.854	121	12.1 - 136
Iodomethane (methyl iodide)	55.2	µg/L	1	50.0	<0.112	110	75.7 - 115
Carbon Disulfide	53.8	µg/L	1	50.0	<0.0764	108	67.6 - 131
Acrylonitrile	60.2	µg/L	1	50.0	<0.184	120	79.9 - 131
2-Butanone (MEK)	57.6	µg/L	1	50.0	<0.394	115	28.7 - 137
4-Methyl-2-pentanone (MIBK)	61.2	µg/L	1	50.0	<0.484	122	77.1 - 122
2-Hexanone	70.6	µg/L	1	50.0	<0.0975	141	42.3 - 145
trans 1,4-Dichloro-2-butene	56.2	µg/L	1	50.0	<0.421	112	38.5 - 122
1,1-Dichloroethene	51.9	µg/L	1	50.0	<0.0736	104	78.7 - 119
Methylene chloride	46.7	µg/L	1	50.0	<0.689	93	64.9 - 121
MTBE	57.3	µg/L	1	50.0	<0.0504	115	46.6 - 162
trans-1,2-Dichloroethene	52.5	µg/L	1	50.0	<0.0598	105	75.1 - 119
1,1-Dichloroethane	54.6	µg/L	1	50.0	<0.0299	109	86.3 - 119
cis-1,2-Dichloroethene	53.3	µg/L	1	50.0	<0.101	107	82.6 - 116
2,2-Dichloropropane	37.2	µg/L	1	50.0	<0.0665	74	7.8 - 109
1,2-Dichloroethane (EDC)	60.8	µg/L	1	50.0	<0.0557	122	82.7 - 130
Chloroform	52.8	µg/L	1	50.0	<0.0475	106	83.6 - 119
1,1,1-Trichloroethane	57.8	µg/L	1	50.0	<0.0846	116	69.6 - 126
1,1-Dichloropropene	50.6	µg/L	1	50.0	<0.0423	101	79.2 - 121
Benzene	50.4	µg/L	1	50.0	<0.0495	101	75.8 - 125
Carbon Tetrachloride	55.0	µg/L	1	50.0	<0.121	110	58.7 - 143
1,2-Dichloropropane	51.4	µg/L	1	50.0	<0.0933	103	88.4 - 117

continued ...

[11] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Trichloroethene (TCE)	50.0	µg/L	1	50.0	<0.0495	100	83.6 - 112
Dibromomethane (methylene bromide)	54.6	µg/L	1	50.0	<0.0640	109	90.7 - 117
Bromodichloromethane	53.9	µg/L	1	50.0	<0.0651	108	83.4 - 127
2-Chloroethyl vinyl ether	52.8	µg/L	1	50.0	<0.0905	106	10 - 211
cis-1,3-Dichloropropene	50.7	µg/L	1	50.0	<0.0640	101	78.6 - 113
trans-1,3-Dichloropropene	52.8	µg/L	1	50.0	<0.0504	106	81.8 - 113
Toluene	50.5	µg/L	1	50.0	<0.0736	101	81.6 - 115
1,1,2-Trichloroethane	50.8	µg/L	1	50.0	<0.106	102	83.2 - 122
1,3-Dichloropropane	52.0	µg/L	1	50.0	<0.0625	104	87.3 - 123
Dibromochloromethane	52.4	µg/L	1	50.0	<0.0791	105	81.4 - 130
1,2-Dibromoethane (EDB)	53.9	µg/L	1	50.0	<0.0460	108	91.4 - 118
Tetrachloroethene (PCE)	48.1	µg/L	1	50.0	<0.0696	96	51.8 - 111
Chlorobenzene	50.3	µg/L	1	50.0	<0.0217	101	83.9 - 113
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene	50.1	µg/L	1	50.0	<0.0566	100	75.4 - 121
m,p-Xylene	98.9	µg/L	1	100	<0.0363	99	74 - 124
Bromoform	56.2	µg/L	1	50.0	<0.0859	112	77.5 - 134
Styrene	49.6	µg/L	1	50.0	<0.0394	99	10 - 180
o-Xylene	50.2	µg/L	1	50.0	<0.0504	100	75.4 - 126
1,1,2,2-Tetrachloroethane	55.4	µg/L	1	50.0	<0.0672	111	86.4 - 122
2-Chlorotoluene	50.0	µg/L	1	50.0	<0.0283	100	69.2 - 128
1,2,3-Trichloropropane	53.5	µg/L	1	50.0	<0.0679	107	75.8 - 121
Isopropylbenzene	48.9	µg/L	1	50.0	<0.0406	98	69.6 - 127
Bromobenzene	51.6	µg/L	1	50.0	<0.103	103	77.1 - 125
n-Propylbenzene	49.0	µg/L	1	50.0	<0.0423	98	67.1 - 125
1,3,5-Trimethylbenzene	45.8	µg/L	1	50.0	<0.0557	92	66.1 - 126
tert-Butylbenzene	46.4	µg/L	1	50.0	<0.0770	93	63.9 - 126
1,2,4-Trimethylbenzene	46.9	µg/L	1	50.0	<0.0336	94	65 - 123
1,4-Dichlorobenzene (para)	50.0	µg/L	1	50.0	<0.0672	100	66.7 - 119
sec-Butylbenzene	48.7	µg/L	1	50.0	<0.0439	97	57.6 - 127
1,3-Dichlorobenzene (meta)	51.4	µg/L	1	50.0	<0.0672	103	78.8 - 118
p-Isopropyltoluene	48.4	µg/L	1	50.0	<0.0513	97	56.6 - 128
4-Chlorotoluene	51.3	µg/L	1	50.0	<0.0460	103	74 - 127
1,2-Dichlorobenzene (ortho)	51.0	µg/L	1	50.0	<0.0629	102	81.2 - 119
n-Butylbenzene	44.4	µg/L	1	50.0	<0.0400	89	50.4 - 130
1,2-Dibromo-3-chloropropane	57.5	µg/L	1	50.0	<0.538	115	55.7 - 152
1,2,3-Trichlorobenzene	34.9	µg/L	1	50.0	<0.504	70	32.6 - 149
1,2,4-Trichlorobenzene	45.8	µg/L	1	50.0	<0.166	92	35.8 - 144
Naphthalene	42.3	µg/L	1	50.0	<0.417	85	36.7 - 156
Hexachlorobutadiene	43.5	µg/L	1	50.0	<0.176	87	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.6	µg/L	1	50.0	<0.0699	105	82.5 - 118	1	20
Dichlorodifluoromethane	56.2	µg/L	1	50.0	<0.0598	112	46.8 - 125	2	20
Chloromethane (methyl chloride)	57.6	µg/L	1	50.0	<0.230	115	67.1 - 127	0	20
Vinyl Chloride	52.2	µg/L	1	50.0	<0.0902	104	63.7 - 129	2	20
Bromomethane (methyl bromide)	51.6	µg/L	1	50.0	<0.740	103	65.7 - 127	1	20
Chloroethane	50.6	µg/L	1	50.0	<0.195	101	69.9 - 131	2	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Trichlorofluoromethane	58.0	µg/L	1	50.0	<0.160	116	60.2 - 134	2	20
Acetone	58.0	µg/L	1	50.0	<0.854	116	12.1 - 136	4	20
Iodomethane (methyl iodide)	54.9	µg/L	1	50.0	<0.112	110	75.7 - 115	0	20
Carbon Disulfide	55.2	µg/L	1	50.0	<0.0764	110	67.6 - 131	3	20
Acrylonitrile	59.8	µg/L	1	50.0	<0.184	120	79.9 - 131	1	20
2-Butanone (MEK)	58.6	µg/L	1	50.0	<0.394	117	28.7 - 137	2	20
4-Methyl-2-pentanone (MIBK)	60.4	µg/L	1	50.0	<0.484	121	77.1 - 122	1	20
2-Hexanone	68.4	µg/L	1	50.0	<0.0975	137	42.3 - 145	3	20
trans 1,4-Dichloro-2-butene	55.6	µg/L	1	50.0	<0.421	111	38.5 - 122	1	20
1,1-Dichloroethene	53.4	µg/L	1	50.0	<0.0736	107	78.7 - 119	3	20
Methylene chloride	46.2	µg/L	1	50.0	<0.689	92	64.9 - 121	1	20
MTBE	57.0	µg/L	1	50.0	<0.0504	114	46.6 - 162	0	20
trans-1,2-Dichloroethene	53.2	µg/L	1	50.0	<0.0598	106	75.1 - 119	1	20
1,1-Dichloroethane	54.2	µg/L	1	50.0	<0.0299	108	86.3 - 119	1	20
cis-1,2-Dichloroethene	54.1	µg/L	1	50.0	<0.101	108	82.6 - 116	2	20
2,2-Dichloropropane	36.2	µg/L	1	50.0	<0.0665	72	7.8 - 109	3	20
1,2-Dichloroethane (EDC)	59.6	µg/L	1	50.0	<0.0557	119	82.7 - 130	2	20
Chloroform	52.4	µg/L	1	50.0	<0.0475	105	83.6 - 119	1	20
1,1,1-Trichloroethane	58.1	µg/L	1	50.0	<0.0846	116	69.6 - 126	0	20
1,1-Dichloropropene	52.5	µg/L	1	50.0	<0.0423	105	79.2 - 121	4	20
Benzene	52.4	µg/L	1	50.0	<0.0495	105	75.8 - 125	4	20
Carbon Tetrachloride	56.4	µg/L	1	50.0	<0.121	113	58.7 - 143	2	20
1,2-Dichloropropane	52.3	µg/L	1	50.0	<0.0933	105	88.4 - 117	2	20
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.0495	104	83.6 - 112	4	20
Dibromomethane (methylene bromide)	55.0	µg/L	1	50.0	<0.0640	110	90.7 - 117	1	20
Bromodichloromethane	54.5	µg/L	1	50.0	<0.0651	109	83.4 - 127	1	20
2-Chloroethyl vinyl ether	53.8	µg/L	1	50.0	<0.0905	108	10 - 211	2	20
cis-1,3-Dichloropropene	51.8	µg/L	1	50.0	<0.0640	104	78.6 - 113	2	20
trans-1,3-Dichloropropene	54.2	µg/L	1	50.0	<0.0504	108	81.8 - 113	3	20
Toluene	52.6	µg/L	1	50.0	<0.0736	105	81.6 - 115	4	20
1,1,2-Trichloroethane	50.9	µg/L	1	50.0	<0.106	102	83.2 - 122	0	20
1,3-Dichloropropane	52.6	µg/L	1	50.0	<0.0625	105	87.3 - 123	1	20
Dibromochloromethane	52.9	µg/L	1	50.0	<0.0791	106	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	54.8	µg/L	1	50.0	<0.0460	110	91.4 - 118	2	20
Tetrachloroethene (PCE)	51.0	µg/L	1	50.0	<0.0696	102	51.8 - 111	6	20
Chlorobenzene	51.4	µg/L	1	50.0	<0.0217	103	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane	52.5	µg/L	1	50.0	<0.125	105	79.5 - 127	2	20
Ethylbenzene	52.6	µg/L	1	50.0	<0.0566	105	75.4 - 121	5	20
m,p-Xylene	104	µg/L	1	100	<0.0363	104	74 - 124	5	20
Bromoform	56.8	µg/L	1	50.0	<0.0859	114	77.5 - 134	1	20
Styrene	51.0	µg/L	1	50.0	<0.0394	102	10 - 180	3	20
o-Xylene	52.0	µg/L	1	50.0	<0.0504	104	75.4 - 126	4	20
1,1,2,2-Tetrachloroethane	55.4	µg/L	1	50.0	<0.0672	111	86.4 - 122	0	20
2-Chlorotoluene	51.4	µg/L	1	50.0	<0.0283	103	69.2 - 128	3	20
1,2,3-Trichloropropane	53.1	µg/L	1	50.0	<0.0679	106	75.8 - 121	1	20
Isopropylbenzene	50.8	µg/L	1	50.0	<0.0406	102	69.6 - 127	4	20
Bromobenzene	52.4	µg/L	1	50.0	<0.103	105	77.1 - 125	2	20
n-Propylbenzene	51.0	µg/L	1	50.0	<0.0423	102	67.1 - 125	4	20
1,3,5-Trimethylbenzene	47.6	µg/L	1	50.0	<0.0557	95	66.1 - 126	4	20
tert-Butylbenzene	48.6	µg/L	1	50.0	<0.0770	97	63.9 - 126	5	20

continued . . .

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trimethylbenzene		48.2	µg/L	1	50.0	<0.0336	96	65 - 123	3	20
1,4-Dichlorobenzene (para)		51.0	µg/L	1	50.0	<0.0672	102	66.7 - 119	2	20
sec-Butylbenzene		51.1	µg/L	1	50.0	<0.0439	102	57.6 - 127	5	20
1,3-Dichlorobenzene (meta)		53.1	µg/L	1	50.0	<0.0672	106	78.8 - 118	3	20
p-Isopropyltoluene		50.2	µg/L	1	50.0	<0.0513	100	56.6 - 128	4	20
4-Chlorotoluene		52.4	µg/L	1	50.0	<0.0460	105	74 - 127	2	20
1,2-Dichlorobenzene (ortho)		52.7	µg/L	1	50.0	<0.0629	105	81.2 - 119	3	20
n-Butylbenzene		46.9	µg/L	1	50.0	<0.0400	94	50.4 - 130	6	20
1,2-Dibromo-3-chloropropane		63.2	µg/L	1	50.0	<0.538	126	55.7 - 152	9	20
1,2,3-Trichlorobenzene	[12]	72.4	µg/L	1	50.0	<0.504	145	32.6 - 149	70	20
1,2,4-Trichlorobenzene	[13]	59.0	µg/L	1	50.0	<0.166	118	35.8 - 144	25	20
Naphthalene	[14]	78.9	µg/L	1	50.0	<0.417	158	36.7 - 156	60	20
Hexachlorobutadiene		48.2	µg/L	1	50.0	<0.176	96	39.6 - 125	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	53.6	54.1	µg/L	1	50	107	108	86.6 - 114
Toluene-d8	48.1	50.2	µg/L	1	50	96	100	91 - 109
4-Bromofluorobenzene (4-BFB)	50.1	51.8	µg/L	1	50	100	104	87.2 - 113

Standard (CCV-1)

QC Batch: 41117 Date Analyzed: 2007-09-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	47.5	95	70 - 130	2007-09-13
Dichlorodifluoromethane		µg/L	50.0	42.6	85	70 - 130	2007-09-13
Chloromethane (methyl chloride)		µg/L	50.0	43.0	86	70 - 130	2007-09-13
Vinyl Chloride		µg/L	50.0	48.2	96	80 - 120	2007-09-13
Bromomethane (methyl bromide)		µg/L	50.0	48.3	97	70 - 130	2007-09-13
Chloroethane		µg/L	50.0	48.1	96	70 - 130	2007-09-13
Trichlorofluoromethane		µg/L	50.0	44.4	89	70 - 130	2007-09-13
Acetone	[15]	µg/L	50.0	66.1	132	70 - 130	2007-09-13
Iodomethane (methyl iodide)		µg/L	50.0	49.4	99	70 - 130	2007-09-13
Carbon Disulfide		µg/L	50.0	46.4	93	70 - 130	2007-09-13
Acrylonitrile		µg/L	50.0	46.8	94	70 - 130	2007-09-13
2-Butanone (MEK)		µg/L	50.0	60.5	121	70 - 130	2007-09-13
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.5	99	70 - 130	2007-09-13
2-Hexanone		µg/L	50.0	53.9	108	70 - 130	2007-09-13
trans 1,4-Dichloro-2-butene		µg/L	50.0	45.2	90	70 - 130	2007-09-13
1,1-Dichloroethene		µg/L	50.0	47.1	94	80 - 120	2007-09-13
Methylene chloride		µg/L	50.0	38.0	76	70 - 130	2007-09-13

continued ...

[12] RPD out of control limits due to carry over. •
[13] RPD out of control limits due to carry over. •
[14] Spike recovery and RPD out of control limits due to carry over. •
[15] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 99 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		µg/L	50.0	47.9	96	70 - 130	2007-09-13
trans-1,2-Dichloroethene		µg/L	50.0	48.4	97	70 - 130	2007-09-13
1,1-Dichloroethane		µg/L	50.0	45.5	91	70 - 130	2007-09-13
cis-1,2-Dichloroethene		µg/L	50.0	48.2	96	70 - 130	2007-09-13
2,2-Dichloropropane		µg/L	50.0	47.4	95	70 - 130	2007-09-13
1,2-Dichloroethane (EDC)		µg/L	50.0	42.2	84	70 - 130	2007-09-13
Chloroform		µg/L	50.0	44.4	89	80 - 120	2007-09-13
1,1,1-Trichloroethane		µg/L	50.0	44.1	88	70 - 130	2007-09-13
1,1-Dichloropropene		µg/L	50.0	47.7	95	70 - 130	2007-09-13
Benzene		µg/L	50.0	47.7	95	70 - 130	2007-09-13
Carbon Tetrachloride		µg/L	50.0	44.3	89	70 - 130	2007-09-13
1,2-Dichloropropane		µg/L	50.0	47.2	94	80 - 120	2007-09-13
Trichloroethene (TCE)		µg/L	50.0	49.0	98	70 - 130	2007-09-13
Dibromomethane (methylene bromide)		µg/L	50.0	46.5	93	70 - 130	2007-09-13
Bromodichloromethane		µg/L	50.0	45.2	90	70 - 130	2007-09-13
2-Chloroethyl vinyl ether		µg/L	50.0	48.0	96	70 - 130	2007-09-13
cis-1,3-Dichloropropene		µg/L	50.0	49.0	98	70 - 130	2007-09-13
trans-1,3-Dichloropropene		µg/L	50.0	49.4	99	70 - 130	2007-09-13
Toluene		µg/L	50.0	48.5	97	80 - 120	2007-09-13
1,1,2-Trichloroethane		µg/L	50.0	47.1	94	70 - 130	2007-09-13
1,3-Dichloropropane		µg/L	50.0	47.9	96	70 - 130	2007-09-13
Dibromochloromethane		µg/L	50.0	47.9	96	70 - 130	2007-09-13
1,2-Dibromoethane (EDB)		µg/L	50.0	48.5	97	70 - 130	2007-09-13
Tetrachloroethene (PCE)		µg/L	50.0	42.5	85	70 - 130	2007-09-13
Chlorobenzene		µg/L	50.0	48.8	98	80 - 120	2007-09-13
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.0	98	70 - 130	2007-09-13
Ethylbenzene		µg/L	50.0	48.5	97	80 - 120	2007-09-13
m,p-Xylene		µg/L	100	98.2	98	70 - 130	2007-09-13
Bromoform		µg/L	50.0	51.2	102	70 - 130	2007-09-13
Styrene		µg/L	50.0	51.8	104	70 - 130	2007-09-13
o-Xylene		µg/L	50.0	49.1	98	70 - 130	2007-09-13
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.4	101	70 - 130	2007-09-13
2-Chlorotoluene		µg/L	50.0	47.4	95	70 - 130	2007-09-13
1,2,3-Trichloropropane		µg/L	50.0	48.7	97	70 - 130	2007-09-13
Isopropylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-09-13
Bromobenzene		µg/L	50.0	48.1	96	70 - 130	2007-09-13
n-Propylbenzene		µg/L	50.0	48.1	96	70 - 130	2007-09-13
1,3,5-Trimethylbenzene		µg/L	50.0	49.1	98	70 - 130	2007-09-13
tert-Butylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-09-13
1,2,4-Trimethylbenzene		µg/L	50.0	49.8	100	70 - 130	2007-09-13
1,4-Dichlorobenzene (para)		µg/L	50.0	48.7	97	70 - 130	2007-09-13
sec-Butylbenzene		µg/L	50.0	48.9	98	70 - 130	2007-09-13
1,3-Dichlorobenzene (meta)		µg/L	50.0	50.2	100	70 - 130	2007-09-13
p-Isopropyltoluene		µg/L	50.0	50.8	102	70 - 130	2007-09-13
4-Chlorotoluene		µg/L	50.0	48.3	97	70 - 130	2007-09-13
1,2-Dichlorobenzene (ortho)		µg/L	50.0	52.0	104	70 - 130	2007-09-13
n-Butylbenzene		µg/L	50.0	48.6	97	70 - 130	2007-09-13
1,2-Dibromo-3-chloropropane		µg/L	50.0	49.9	100	70 - 130	2007-09-13

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichlorobenzene	[16]	µg/L	50.0	67.1	134	70 - 130	2007-09-13
1,2,4-Trichlorobenzene		µg/L	50.0	57.8	116	70 - 130	2007-09-13
Naphthalene	[17]	µg/L	50.0	72.3	145	70 - 130	2007-09-13
Hexachlorobutadiene		µg/L	50.0	53.0	106	70 - 130	2007-09-13

Standard (CCV-1)

QC Batch: 41234 Date Analyzed: 2007-09-17 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.0	98	70 - 130	2007-09-17
Dichlorodifluoromethane		µg/L	50.0	37.2	74	70 - 130	2007-09-17
Chloromethane (methyl chloride)		µg/L	50.0	41.4	83	70 - 130	2007-09-17
Vinyl Chloride		µg/L	50.0	45.8	92	80 - 120	2007-09-17
Bromomethane (methyl bromide)		µg/L	50.0	47.5	95	70 - 130	2007-09-17
Chloroethane		µg/L	50.0	46.5	93	70 - 130	2007-09-17
Trichlorofluoromethane		µg/L	50.0	45.6	91	70 - 130	2007-09-17
Acetone	[18]	µg/L	50.0	33.9	68	70 - 130	2007-09-17
Iodomethane (methyl iodide)		µg/L	50.0	49.3	99	70 - 130	2007-09-17
Carbon Disulfide		µg/L	50.0	44.6	89	70 - 130	2007-09-17
Acrylonitrile		µg/L	50.0	45.5	91	70 - 130	2007-09-17
2-Butanone (MEK)		µg/L	50.0	45.9	92	70 - 130	2007-09-17
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	48.1	96	70 - 130	2007-09-17
2-Hexanone		µg/L	50.0	42.9	86	70 - 130	2007-09-17
trans 1,4-Dichloro-2-butene		µg/L	50.0	41.2	82	70 - 130	2007-09-17
1,1-Dichloroethene		µg/L	50.0	45.5	91	80 - 120	2007-09-17
Methylene chloride		µg/L	50.0	34.9	70	70 - 130	2007-09-17
MTBE		µg/L	50.0	47.7	95	70 - 130	2007-09-17
trans-1,2-Dichloroethene		µg/L	50.0	45.8	92	70 - 130	2007-09-17
1,1-Dichloroethane		µg/L	50.0	44.6	89	70 - 130	2007-09-17
cis-1,2-Dichloroethene		µg/L	50.0	46.8	94	70 - 130	2007-09-17
2,2-Dichloropropane	[19]	µg/L	50.0	32.7	65	70 - 130	2007-09-17
1,2-Dichloroethane (EDC)		µg/L	50.0	43.6	87	70 - 130	2007-09-17
Chloroform		µg/L	50.0	45.1	90	80 - 120	2007-09-17
1,1,1-Trichloroethane		µg/L	50.0	44.9	90	70 - 130	2007-09-17
1,1-Dichloropropene		µg/L	50.0	47.4	95	70 - 130	2007-09-17
Benzene		µg/L	50.0	46.6	93	70 - 130	2007-09-17
Carbon Tetrachloride		µg/L	50.0	47.4	95	70 - 130	2007-09-17
1,2-Dichloropropane		µg/L	50.0	46.4	93	80 - 120	2007-09-17
Trichloroethene (TCE)		µg/L	50.0	48.1	96	70 - 130	2007-09-17

continued ...

[16] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 99 which is within acceptable range. This is acceptable by Method 8000.

[17] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 99 which is within acceptable range. This is acceptable by Method 8000.

[18] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

[19] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dibromomethane (methylene bromide)		µg/L	50.0	48.3	97	70 - 130	2007-09-17
Bromodichloromethane		µg/L	50.0	47.2	94	70 - 130	2007-09-17
2-Chloroethyl vinyl ether		µg/L	50.0	47.3	95	70 - 130	2007-09-17
cis-1,3-Dichloropropene		µg/L	50.0	46.6	93	70 - 130	2007-09-17
trans-1,3-Dichloropropene		µg/L	50.0	47.4	95	70 - 130	2007-09-17
Toluene		µg/L	50.0	48.1	96	80 - 120	2007-09-17
1,1,2-Trichloroethane		µg/L	50.0	46.6	93	70 - 130	2007-09-17
1,3-Dichloropropane		µg/L	50.0	47.4	95	70 - 130	2007-09-17
Dibromochloromethane		µg/L	50.0	49.4	99	70 - 130	2007-09-17
1,2-Dibromoethane (EDB)		µg/L	50.0	48.5	97	70 - 130	2007-09-17
Tetrachloroethene (PCE)		µg/L	50.0	39.5	79	70 - 130	2007-09-17
Chlorobenzene		µg/L	50.0	47.2	94	80 - 120	2007-09-17
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.8	100	70 - 130	2007-09-17
Ethylbenzene		µg/L	50.0	46.6	93	80 - 120	2007-09-17
m,p-Xylene		µg/L	100	93.8	94	70 - 130	2007-09-17
Bromoform		µg/L	50.0	53.3	107	70 - 130	2007-09-17
Styrene		µg/L	50.0	50.1	100	70 - 130	2007-09-17
o-Xylene		µg/L	50.0	48.3	97	70 - 130	2007-09-17
1,1,2,2-Tetrachloroethane		µg/L	50.0	51.0	102	70 - 130	2007-09-17
2-Chlorotoluene		µg/L	50.0	45.6	91	70 - 130	2007-09-17
1,2,3-Trichloropropane		µg/L	50.0	46.5	93	70 - 130	2007-09-17
Isopropylbenzene		µg/L	50.0	46.8	94	70 - 130	2007-09-17
Bromobenzene		µg/L	50.0	45.8	92	70 - 130	2007-09-17
n-Propylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-09-17
1,3,5-Trimethylbenzene		µg/L	50.0	46.8	94	70 - 130	2007-09-17
tert-Butylbenzene		µg/L	50.0	47.1	94	70 - 130	2007-09-17
1,2,4-Trimethylbenzene		µg/L	50.0	47.4	95	70 - 130	2007-09-17
1,4-Dichlorobenzene (para)		µg/L	50.0	47.2	94	70 - 130	2007-09-17
sec-Butylbenzene		µg/L	50.0	45.7	91	70 - 130	2007-09-17
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.3	97	70 - 130	2007-09-17
p-Isopropyltoluene		µg/L	50.0	47.0	94	70 - 130	2007-09-17
4-Chlorotoluene		µg/L	50.0	45.9	92	70 - 130	2007-09-17
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.0	102	70 - 130	2007-09-17
n-Butylbenzene		µg/L	50.0	43.8	88	70 - 130	2007-09-17
1,2-Dibromo-3-chloropropane		µg/L	50.0	52.2	104	70 - 130	2007-09-17
1,2,3-Trichlorobenzene		µg/L	50.0	64.1	128	70 - 130	2007-09-17
1,2,4-Trichlorobenzene		µg/L	50.0	54.8	110	70 - 130	2007-09-17
Naphthalene		µg/L	50.0	64.5	129	70 - 130	2007-09-17
Hexachlorobutadiene		µg/L	50.0	52.0	104	70 - 130	2007-09-17

Standard (CCV-1)

QC Batch: 41517 Date Analyzed: 2007-09-26 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.2	100	70 - 130	2007-09-26
Dichlorodifluoromethane		µg/L	50.0	51.3	103	70 - 130	2007-09-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloromethane (methyl chloride)		µg/L	50.0	50.9	102	70 - 130	2007-09-26
Vinyl Chloride		µg/L	50.0	50.4	101	80 - 120	2007-09-26
Bromomethane (methyl bromide)		µg/L	50.0	51.2	102	70 - 130	2007-09-26
Chloroethane		µg/L	50.0	49.6	99	70 - 130	2007-09-26
Trichlorofluoromethane		µg/L	50.0	51.8	104	70 - 130	2007-09-26
Acetone		µg/L	50.0	58.7	117	70 - 130	2007-09-26
Iodomethane (methyl iodide)		µg/L	50.0	52.3	105	70 - 130	2007-09-26
Carbon Disulfide		µg/L	50.0	51.8	104	70 - 130	2007-09-26
Acrylonitrile		µg/L	50.0	51.5	103	70 - 130	2007-09-26
2-Butanone (MEK)		µg/L	50.0	51.9	104	70 - 130	2007-09-26
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.9	102	70 - 130	2007-09-26
2-Hexanone		µg/L	50.0	51.5	103	70 - 130	2007-09-26
trans 1,4-Dichloro-2-butene		µg/L	50.0	52.6	105	70 - 130	2007-09-26
1,1-Dichloroethene		µg/L	50.0	50.5	101	80 - 120	2007-09-26
Methylene chloride		µg/L	50.0	45.3	91	70 - 130	2007-09-26
MTBE		µg/L	50.0	51.2	102	70 - 130	2007-09-26
trans-1,2-Dichloroethene		µg/L	50.0	50.3	101	70 - 130	2007-09-26
1,1-Dichloroethane		µg/L	50.0	51.1	102	70 - 130	2007-09-26
cis-1,2-Dichloroethene		µg/L	50.0	51.7	103	70 - 130	2007-09-26
2,2-Dichloropropane		µg/L	50.0	49.6	99	70 - 130	2007-09-26
1,2-Dichloroethane (EDC)		µg/L	50.0	51.5	103	70 - 130	2007-09-26
Chloroform		µg/L	50.0	47.3	95	80 - 120	2007-09-26
1,1,1-Trichloroethane		µg/L	50.0	52.2	104	70 - 130	2007-09-26
1,1-Dichloropropene		µg/L	50.0	50.8	102	70 - 130	2007-09-26
Benzene		µg/L	50.0	50.4	101	70 - 130	2007-09-26
Carbon Tetrachloride		µg/L	50.0	52.0	104	70 - 130	2007-09-26
1,2-Dichloropropane		µg/L	50.0	51.4	103	80 - 120	2007-09-26
Trichloroethene (TCE)		µg/L	50.0	51.4	103	70 - 130	2007-09-26
Dibromomethane (methylene bromide)		µg/L	50.0	51.5	103	70 - 130	2007-09-26
Bromodichloromethane		µg/L	50.0	50.7	101	70 - 130	2007-09-26
2-Chloroethyl vinyl ether		µg/L	50.0	52.8	106	70 - 130	2007-09-26
cis-1,3-Dichloropropene		µg/L	50.0	52.6	105	70 - 130	2007-09-26
trans-1,3-Dichloropropene		µg/L	50.0	53.7	107	70 - 130	2007-09-26
Toluene		µg/L	50.0	51.1	102	80 - 120	2007-09-26
1,1,2-Trichloroethane		µg/L	50.0	49.0	98	70 - 130	2007-09-26
1,3-Dichloropropane		µg/L	50.0	51.2	102	70 - 130	2007-09-26
Dibromochloromethane		µg/L	50.0	51.1	102	70 - 130	2007-09-26
1,2-Dibromoethane (EDB)		µg/L	50.0	52.1	104	70 - 130	2007-09-26
Tetrachloroethene (PCE)		µg/L	50.0	52.8	106	70 - 130	2007-09-26
Chlorobenzene		µg/L	50.0	51.6	103	80 - 120	2007-09-26
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.6	101	70 - 130	2007-09-26
Ethylbenzene		µg/L	50.0	52.0	104	80 - 120	2007-09-26
m,p-Xylene		µg/L	100	102	102	70 - 130	2007-09-26
Bromoform		µg/L	50.0	53.4	107	70 - 130	2007-09-26
Styrene		µg/L	50.0	53.2	106	70 - 130	2007-09-26
o-Xylene		µg/L	50.0	50.7	101	70 - 130	2007-09-26
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.6	101	70 - 130	2007-09-26
2-Chlorotoluene		µg/L	50.0	49.9	100	70 - 130	2007-09-26
1,2,3-Trichloropropane		µg/L	50.0	50.2	100	70 - 130	2007-09-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Isopropylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-09-26
Bromobenzene		µg/L	50.0	50.2	100	70 - 130	2007-09-26
n-Propylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-09-26
1,3,5-Trimethylbenzene		µg/L	50.0	46.8	94	70 - 130	2007-09-26
tert-Butylbenzene		µg/L	50.0	47.5	95	70 - 130	2007-09-26
1,2,4-Trimethylbenzene		µg/L	50.0	47.3	95	70 - 130	2007-09-26
1,4-Dichlorobenzene (para)		µg/L	50.0	50.9	102	70 - 130	2007-09-26
sec-Butylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-09-26
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.0	102	70 - 130	2007-09-26
p-Isopropyltoluene		µg/L	50.0	49.9	100	70 - 130	2007-09-26
4-Chlorotoluene		µg/L	50.0	50.6	101	70 - 130	2007-09-26
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.4	101	70 - 130	2007-09-26
n-Butylbenzene		µg/L	50.0	46.9	94	70 - 130	2007-09-26
1,2-Dibromo-3-chloropropane		µg/L	50.0	46.5	93	70 - 130	2007-09-26
1,2,3-Trichlorobenzene		µg/L	50.0	42.0	84	70 - 130	2007-09-26
1,2,4-Trichlorobenzene		µg/L	50.0	48.8	98	70 - 130	2007-09-26
Naphthalene		µg/L	50.0	42.6	85	70 - 130	2007-09-26
Hexachlorobutadiene		µg/L	50.0	49.0	98	70 - 130	2007-09-26

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Alkalinity	SM 2320B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	40400	Date Analyzed:	2007-08-24	Analyzed By:	JG
Prep Batch:	34953	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**178**		mg/L as CaCo3	1	5.00
Total Alkalinity		**178**		mg/L as CaCo3	1	5.00

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	40707	Date Analyzed:	2007-08-31	Analyzed By:	JG
Prep Batch:	35197	Sample Preparation:	2007-08-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**		mg/L as CaCo3	1	5.00
Total Alkalinity		**86.0**		mg/L as CaCo3	1	5.00

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	40707	Date Analyzed:	2007-08-31	Analyzed By:	JG
Prep Batch:	35197	Sample Preparation:	2007-08-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**182**		mg/L as CaCo3	1	5.00
Total Alkalinity		**182**		mg/L as CaCo3	1	5.00

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	40707	Date Analyzed:	2007-08-31	Analyzed By:	JG
Prep Batch:	35197	Sample Preparation:	2007-08-31	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00

continued . . .

sample 134734 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**198**	mg/L as CaCo3	1	5.00
Total Alkalinity		**198**	mg/L as CaCo3	1	5.00

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	40707	Date Analyzed:	2007-08-31	Analyzed By:	JG
Prep Batch:	35197	Sample Preparation:	2007-08-31	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**174**	mg/L as CaCo3	1	5.00
Total Alkalinity		**174**	mg/L as CaCo3	1	5.00

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	41155	Date Analyzed:	2007-09-14	Analyzed By:	JG
Prep Batch:	35566	Sample Preparation:	2007-09-14	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**216**	mg/L as CaCo3	1	5.00
Total Alkalinity		**216**	mg/L as CaCo3	1	5.00

Method Blank (1) QC Batch: 40400

QC Batch:	40400	Date Analyzed:	2007-08-24	Analyzed By:	JG
Prep Batch:	34953	QC Preparation:	2007-08-24	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Method Blank (1) QC Batch: 40707

QC Batch: 40707 Date Analyzed: 2007-08-31 Analyzed By: JG
Prep Batch: 35197 QC Preparation: 2007-08-31 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Method Blank (1) QC Batch: 41155

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG
Prep Batch: 35566 QC Preparation: 2007-09-14 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Duplicates (1)

QC Batch: 40400 Date Analyzed: 2007-08-24 Analyzed By: JG
Prep Batch: 34953 QC Preparation: 2007-08-24 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	32.0	36.0	mg/L as CaCo3	1	12	6.3
Bicarbonate Alkalinity	10.0	6.00	mg/L as CaCo3	1	50	6.3
Total Alkalinity	42.0	42.0	mg/L as CaCo3	1	0	6.3

Duplicates (1)

QC Batch: 40707 Date Analyzed: 2007-08-31 Analyzed By: JG
Prep Batch: 35197 QC Preparation: 2007-08-31 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	202	198	mg/L as CaCo3	1	2	6.3
Total Alkalinity	202	198	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG
Prep Batch: 35566 QC Preparation: 2007-09-14 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	168	168	mg/L as CaCo3	1	0	6.3
Total Alkalinity	168	168	mg/L as CaCo3	1	0	6.3

Standard (ICV-1)

QC Batch: 40400 Date Analyzed: 2007-08-24 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-24
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-08-24
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-08-24
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-08-24

Standard (CCV-1)

QC Batch: 40400 Date Analyzed: 2007-08-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-24
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-08-24
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	16.0		0 - 105	2007-08-24
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 105	2007-08-24

Standard (ICV-1)

QC Batch: 40707 Date Analyzed: 2007-08-31 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-31
Carbonate Alkalinity		mg/L as CaCo3	0.00	244		0 - 105	2007-08-31
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-08-31
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-08-31

Standard (CCV-1)

QC Batch: 40707 Date Analyzed: 2007-08-31 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-31
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-08-31
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-08-31
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-08-31

Standard (ICV-1)

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-09-14
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-09-14
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-09-14
Total Alkalinity		mg/L as CaCo3	250	242	97	93.7 - 105	2007-09-14

Standard (CCV-1)

QC Batch: 41155 Date Analyzed: 2007-09-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-09-14
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-09-14
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	12.0		0 - 105	2007-09-14
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 105	2007-09-14

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Conductivity	SM 2510B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	40434	Date Analyzed:	2007-08-24	Analyzed By:	MD
Prep Batch:	34983	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**12200**		uMHOS/cm	1	0.00

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	40594	Date Analyzed:	2007-08-29	Analyzed By:	MD
Prep Batch:	35113	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**12500**		uMHOS/cm	1	0.00

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	40594	Date Analyzed:	2007-08-29	Analyzed By:	MD
Prep Batch:	35113	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**31000**		uMHOS/cm	1	0.00

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	40594	Date Analyzed:	2007-08-29	Analyzed By:	MD
Prep Batch:	35113	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**12300**		uMHOS/cm	1	0.00

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	40594	Date Analyzed:	2007-08-29	Analyzed By:	MD
Prep Batch:	35113	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**30200**	uMHOS/cm	1	0.00

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	41149	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35560	Sample Preparation:	2007-09-12	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**13700**	uMHOS/cm	1	0.00

Method Blank (1) QC Batch: 40434

QC Batch:	40434	Date Analyzed:	2007-08-24	Analyzed By:	MD
Prep Batch:	34983	QC Preparation:	2007-08-24	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 40594

QC Batch:	40594	Date Analyzed:	2007-08-29	Analyzed By:	MD
Prep Batch:	35113	QC Preparation:	2007-08-29	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 41149

QC Batch:	41149	Date Analyzed:	2007-09-12	Analyzed By:	MD
Prep Batch:	35560	QC Preparation:	2007-09-12	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Duplicates (1)

QC Batch:	40434	Date Analyzed:	2007-08-24	Analyzed By:	MD
Prep Batch:	34983	QC Preparation:	2007-08-24	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	12200	12200	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 40594 Date Analyzed: 2007-08-29 Analyzed By: MD
Prep Batch: 35113 QC Preparation: 2007-08-29 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	31100	31000	uMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 41149 Date Analyzed: 2007-09-12 Analyzed By: MD
Prep Batch: 35560 QC Preparation: 2007-09-12 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	13900	13700	uMHOS/cm	1	1	6.7

Standard (ICV-1)

QC Batch: 40434 Date Analyzed: 2007-08-24 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-24

Standard (CCV-1)

QC Batch: 40434 Date Analyzed: 2007-08-24 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-24

Standard (ICV-1)

QC Batch: 40594 Date Analyzed: 2007-08-29 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-29

Standard (CCV-1)

QC Batch: 40594 Date Analyzed: 2007-08-29 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-29

Standard (ICV-1)

QC Batch: 41149 Date Analyzed: 2007-09-12 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-12

Standard (CCV-1)

QC Batch: 41149 Date Analyzed: 2007-09-12 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-09-12

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Bromide (IC)	E 300.0
Chloride (IC)	E 300.0
Fluoride (IC)	E 300.0
SO4 (IC)	E 300.0

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		<0.200	mg/L	1	0.200

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**813**	mg/L	50	2.00

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.27**	mg/L	5	0.200

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**6410**	mg/L	500	1.00

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40591	Date Analyzed:	2007-08-28	Analyzed By:	JR
Prep Batch:	35108	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**0.610**	mg/L	1	0.200
Chloride		**1170**	mg/L	100	2.00
Fluoride		<0.200	mg/L	1	0.200
Sulfate		**5950**	mg/L	500	1.00

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40591	Date Analyzed:	2007-08-28	Analyzed By:	JR
Prep Batch:	35108	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**3.91**	mg/L	5	0.200
Chloride		**5750**	mg/L	500	2.00
Fluoride		**4.03**	mg/L	10	0.200
Sulfate		**12500**	mg/L	100	1.00

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40591	Date Analyzed:	2007-08-28	Analyzed By:	JR
Prep Batch:	35108	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		<0.200	mg/L	1	0.200
Chloride		**897**	mg/L	100	2.00
Fluoride		**1.48**	mg/L	5	0.200
Sulfate		**6190**	mg/L	500	1.00

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40591	Date Analyzed:	2007-08-28	Analyzed By:	JR
Prep Batch:	35108	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**4.04**	mg/L	5	0.200
Chloride		**5860**	mg/L	500	2.00
Fluoride		**4.05**	mg/L	10	0.200
Sulfate		**12600**	mg/L	1000	1.00

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	40919	Date Analyzed:	2007-09-06	Analyzed By:	JR
Prep Batch:	35372	Sample Preparation:	2007-09-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**0.740**	mg/L	1	0.200
Chloride		**1520**	mg/L	100	2.00
Fluoride		**1.94**	mg/L	5	0.200
Sulfate		**6160**	mg/L	500	1.00

Method Blank (1) QC Batch: 40488

QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	QC Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0299	mg/L	0.2

Method Blank (1) QC Batch: 40488

QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	QC Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0350	mg/L	2

Method Blank (1) QC Batch: 40488

QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	QC Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0168	mg/L	0.2

Method Blank (1) QC Batch: 40488

QC Batch:	40488	Date Analyzed:	2007-08-24	Analyzed By:	JR
Prep Batch:	35028	QC Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 40591

QC Batch: 40591 Date Analyzed: 2007-08-28 Analyzed By: JR
Prep Batch: 35108 QC Preparation: 2007-08-28 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0299	mg/L	0.2
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Method Blank (1) QC Batch: 40919

QC Batch: 40919 Date Analyzed: 2007-09-06 Analyzed By: JR
Prep Batch: 35372 QC Preparation: 2007-09-06 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0299	mg/L	0.2
Chloride		<0.0350	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0238	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.49	mg/L	1	2.50	<0.0217	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.49	mg/L	1	2.50	<0.0217	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.0	mg/L	1	12.5	<0.0350	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.45	mg/L	1	2.50	<0.0168	98	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.4	mg/L	1	12.5	<0.0238	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40591 Date Analyzed: 2007-08-28 Analyzed By: JR
Prep Batch: 35108 QC Preparation: 2007-08-28 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.54	mg/L	1	2.50	<0.0217	102	90 - 110
Chloride	12.1	mg/L	1	12.5	<0.0350	97	90 - 110
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107
Sulfate	12.6	mg/L	1	12.5	<0.0238	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.52	mg/L	1	2.50	<0.0217	101	90 - 110	1	20
Chloride	12.1	mg/L	1	12.5	<0.0350	97	90 - 110	0	20
Fluoride	2.47	mg/L	1	2.50	<0.0168	99	88.6 - 107	0	20
Sulfate	12.5	mg/L	1	12.5	<0.0238	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40919 Date Analyzed: 2007-09-06 Analyzed By: JR
Prep Batch: 35372 QC Preparation: 2007-09-06 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.44	mg/L	1	2.50	<0.0217	98	90 - 110
Chloride	12.2	mg/L	1	12.5	<0.0350	98	90 - 110
Fluoride	2.42	mg/L	1	2.50	<0.0168	97	88.6 - 107
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.45	mg/L	1	2.50	<0.0217	98	90 - 110	0	20
Chloride	12.2	mg/L	1	12.5	<0.0350	98	90 - 110	0	20
Fluoride	2.43	mg/L	1	2.50	<0.0168	97	88.6 - 107	0	20
Sulfate	12.3	mg/L	1	12.5	<0.0238	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134336

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1240	mg/L	500	1250	<10.8	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	1250	mg/L	500	1250	<10.8	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134336

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6810	mg/L	500	6250	813	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6800	mg/L	500	6250	813	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134336

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1220	mg/L	500	1250	<8.40	97	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1230	mg/L	500	1250	<8.40	98	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134336

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR
Prep Batch: 35028 QC Preparation: 2007-08-24 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12500	mg/L	500	6250	6410	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12400	mg/L	500	6250	6410	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40591 Date Analyzed: 2007-08-28 Analyzed By: JR
Prep Batch: 35108 QC Preparation: 2007-08-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1260	mg/L	500	1250	<10.8	101	90 - 110
Chloride	6960	mg/L	500	6250	897	97	90 - 110
Fluoride	1240	mg/L	500	1250	<8.40	99	89.9 - 104
Sulfate	12300	mg/L	500	6250	6190	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	1260	mg/L	500	1250	<10.8	101	90 - 110	0	20
Chloride	6950	mg/L	500	6250	897	97	90 - 110	0	20
Fluoride	1240	mg/L	500	1250	<8.40	99	89.9 - 104	0	20
Sulfate	12200	mg/L	500	6250	6190	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135379

QC Batch: 40919 Date Analyzed: 2007-09-06 Analyzed By: JR
Prep Batch: 35372 QC Preparation: 2007-09-06 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1230	mg/L	500	1250	<10.8	98	90 - 110
Chloride	7470	mg/L	500	6250	1520	95	90 - 110
Fluoride	1210	mg/L	500	1250	<8.40	97	89.9 - 104
Sulfate	12100	mg/L	500	6250	6160	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	1240	mg/L	500	1250	<10.8	99	90 - 110	1	20
Chloride	7460	mg/L	500	6250	1520	95	90 - 110	0	20
Fluoride	1210	mg/L	500	1250	<8.40	97	89.9 - 104	0	20
Sulfate	12000	mg/L	500	6250	6160	93	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.41	96	90 - 110	2007-08-24

Standard (ICV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-08-24

Standard (ICV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.41	96	90 - 110	2007-08-24

Standard (ICV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-08-24

Standard (CCV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.44	98	90 - 110	2007-08-24

Standard (CCV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2007-08-24

Standard (CCV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.44	98	90 - 110	2007-08-24

Standard (CCV-1)

QC Batch: 40488 Date Analyzed: 2007-08-24 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-08-24

Standard (ICV-1)

QC Batch: 40591 Date Analyzed: 2007-08-28 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.43	97	90 - 110	2007-08-28
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-08-28
Fluoride		mg/L	2.50	2.43	97	90 - 110	2007-08-28
Sulfate		mg/L	12.5	11.7	94	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40591 Date Analyzed: 2007-08-28 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.47	99	90 - 110	2007-08-28
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-08-28
Fluoride		mg/L	2.50	2.45	98	90 - 110	2007-08-28
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40919 Date Analyzed: 2007-09-06 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.39	96	90 - 110	2007-09-06
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-09-06
Fluoride		mg/L	2.50	2.39	96	90 - 110	2007-09-06
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-09-06

Standard (CCV-1)

QC Batch: 40919 Date Analyzed: 2007-09-06 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.41	96	90 - 110	2007-09-06
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-09-06
Fluoride		mg/L	2.50	2.40	96	90 - 110	2007-09-06
Sulfate		mg/L	12.5	11.6	93	90 - 110	2007-09-06

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Explosives (8330)	S 8330-C18

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41752	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36062	Sample Preparation:	2007-08-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.94	µg/L	1	2.50	78	19.8 - 160

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41752	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36062	Sample Preparation:	2007-08-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.44	µg/L	1	2.50	58	19.8 - 160

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41752	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36062	Sample Preparation:	2007-08-30	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.54	µg/L	1	2.50	102	19.8 - 160

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41752	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36062	Sample Preparation:	2007-08-30	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.54	µg/L	1	2.50	62	19.8 - 160

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41752	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36062	Sample Preparation:	2007-08-30	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.16	µg/L	1	2.50	46	19.8 - 160

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	41753	Date Analyzed:	2007-10-03	Analyzed By:	DS
Prep Batch:	36063	Sample Preparation:	2007-09-11	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
HMX		<0.500		µg/L	1	0.500
RDX		<0.500		µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500		µg/L	1	0.500
1,3-Dinitrobenzene		<0.500		µg/L	1	0.500
Tetryl		<0.500		µg/L	1	0.500
Nitrobenzene		<0.500		µg/L	1	0.500
TNT		<0.500		µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500		µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500		µg/L	1	0.500
2-NT		<0.500		µg/L	1	0.500
3-NT		<0.500		µg/L	1	0.500
4-NT		<0.500		µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.53	µg/L	1	2.50	61	19.8 - 160

Method Blank (1) QC Batch: 41752

QC Batch: 41752 | Date Analyzed: 2007-10-03 | Analyzed By: DS
Prep Batch: 36062 | QC Preparation: 2007-08-30 | Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
HMX		<0.227	µg/L	0.5
RDX		<0.337	µg/L	0.5
1,3,5-Trinitrobenzene		<0.355	µg/L	0.5
1,3-Dinitrobenzene		<0.402	µg/L	0.5
Tetryl		<0.278	µg/L	0.5
Nitrobenzene		<0.371	µg/L	0.5
TNT		<0.324	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.376	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.417	µg/L	0.5
2-NT		<0.301	µg/L	0.5
3-NT		<0.305	µg/L	0.5
4-NT		<0.315	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.41	µg/L	1	2.50	56	10 - 165

Method Blank (1) QC Batch: 41753

QC Batch: 41753 | Date Analyzed: 2007-10-03 | Analyzed By: DS
Prep Batch: 36063 | QC Preparation: 2007-09-11 | Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
HMX		<0.227	µg/L	0.5
RDX		<0.337	µg/L	0.5
1,3,5-Trinitrobenzene		<0.355	µg/L	0.5
1,3-Dinitrobenzene		<0.402	µg/L	0.5
Tetryl		<0.278	µg/L	0.5
Nitrobenzene		<0.371	µg/L	0.5
TNT		<0.324	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.376	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.417	µg/L	0.5
2-NT		<0.301	µg/L	0.5
3-NT		<0.305	µg/L	0.5
4-NT		<0.315	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.46	µg/L	1	2.50	58	10 - 165

Laboratory Control Spike (LCS-1)

QC Batch: 41752 | Date Analyzed: 2007-10-03 | Analyzed By: DS
Prep Batch: 36062 | QC Preparation: 2007-08-30 | Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	1.72	µg/L	1	2.50	<0.227	69	63.5 - 125
RDX	1.90	µg/L	1	2.50	<0.337	76	74.5 - 124
1,3,5-Trinitrobenzene	1.84	µg/L	1	2.50	<0.355	74	54.1 - 131
1,3-Dinitrobenzene	2.19	µg/L	1	2.50	<0.402	88	72 - 112
Tetryl	1.90	µg/L	1	2.50	<0.278	76	35.9 - 149
Nitrobenzene	1.93	µg/L	1	2.50	<0.371	77	72.5 - 126
TNT	2.31	µg/L	1	2.50	<0.324	92	40.7 - 129
4-amino-DNT / 2-amino-DNT	1.57	µg/L	1	2.50	<0.376	63	63 - 120
2,6-DNT / 2,4-DNT	2.12	µg/L	1	2.50	<0.417	85	58.2 - 137
2-NT	1.79	µg/L	1	2.50	<0.301	72	49.8 - 139
3-NT	2.18	µg/L	1	2.50	<0.305	87	66.2 - 129
4-NT	2.09	µg/L	1	2.50	<0.315	84	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	1.92	µg/L	1	2.50	<0.227	77	63.5 - 125	11	20
RDX	1.93	µg/L	1	2.50	<0.337	77	74.5 - 124	2	20
1,3,5-Trinitrobenzene	1.83	µg/L	1	2.50	<0.355	73	54.1 - 131	0	20
1,3-Dinitrobenzene	2.18	µg/L	1	2.50	<0.402	87	72 - 112	0	20
Tetryl	1.74	µg/L	1	2.50	<0.278	70	35.9 - 149	9	20
Nitrobenzene	1.89	µg/L	1	2.50	<0.371	76	72.5 - 126	2	20
TNT	2.24	µg/L	1	2.50	<0.324	90	40.7 - 129	3	20
4-amino-DNT / 2-amino-DNT [1]	1.51	µg/L	1	2.50	<0.376	60	63 - 120	4	20
2,6-DNT / 2,4-DNT	2.09	µg/L	1	2.50	<0.417	84	58.2 - 137	1	20
2-NT	1.68	µg/L	1	2.50	<0.301	67	49.8 - 139	6	20
3-NT	2.09	µg/L	1	2.50	<0.305	84	66.2 - 129	4	20
4-NT	2.32	µg/L	1	2.50	<0.315	93	56.3 - 141	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.29	2.33	µg/L	1	2.50	92	93	53 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 41753 Date Analyzed: 2007-10-03 Analyzed By: DS
Prep Batch: 36063 QC Preparation: 2007-09-11 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	1.93	µg/L	1	2.50	<0.227	77	63.5 - 125
RDX	2.18	µg/L	1	2.50	<0.337	87	74.5 - 124
1,3,5-Trinitrobenzene	1.81	µg/L	1	2.50	<0.355	72	54.1 - 131
1,3-Dinitrobenzene	2.12	µg/L	1	2.50	<0.402	85	72 - 112
Tetryl	1.63	µg/L	1	2.50	<0.278	65	35.9 - 149

continued . . .

[1] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrobenzene	1.86	µg/L	1	2.50	<0.371	74	72.5 - 126
TNT	2.02	µg/L	1	2.50	<0.324	81	40.7 - 129
4-amino-DNT / 2-amino-DNT	1.73	µg/L	1	2.50	<0.376	69	63 - 120
2,6-DNT / 2,4-DNT	2.27	µg/L	1	2.50	<0.417	91	58.2 - 137
2-NT	1.88	µg/L	1	2.50	<0.301	75	49.8 - 139
3-NT	2.44	µg/L	1	2.50	<0.305	98	66.2 - 129
4-NT	2.45	µg/L	1	2.50	<0.315	98	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	1.82	µg/L	1	2.50	<0.227	73	63.5 - 125	6	20
RDX	1.98	µg/L	1	2.50	<0.337	79	74.5 - 124	10	20
1,3,5-Trinitrobenzene	1.77	µg/L	1	2.50	<0.355	71	54.1 - 131	2	20
1,3-Dinitrobenzene	2.16	µg/L	1	2.50	<0.402	86	72 - 112	2	20
Tetryl	1.66	µg/L	1	2.50	<0.278	66	35.9 - 149	2	20
Nitrobenzene	1.97	µg/L	1	2.50	<0.371	79	72.5 - 126	6	20
TNT	2.09	µg/L	1	2.50	<0.324	84	40.7 - 129	3	20
4-amino-DNT / 2-amino-DNT	1.67	µg/L	1	2.50	<0.376	67	63 - 120	4	20
2,6-DNT / 2,4-DNT	2.23	µg/L	1	2.50	<0.417	89	58.2 - 137	2	20
2-NT	1.82	µg/L	1	2.50	<0.301	73	49.8 - 139	3	20
3-NT	2.09	µg/L	1	2.50	<0.305	84	66.2 - 129	15	20
4-NT	2.46	µg/L	1	2.50	<0.315	98	56.3 - 141	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.32	2.47	µg/L	1	2.50	93	99	53 - 134

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 41752 Date Analyzed: 2007-10-03 Analyzed By: DS
Prep Batch: 36062 QC Preparation: 2007-08-30 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	0.793	µg/L	1	2.50	<0.227	32	10 - 164
RDX	1.45	µg/L	1	2.50	<0.337	58	10 - 147
1,3,5-Trinitrobenzene	1.67	µg/L	1	2.50	<0.355	67	10 - 187
1,3-Dinitrobenzene	1.67	µg/L	1	2.50	<0.402	67	10 - 155
Tetryl	1.42	µg/L	1	2.50	<0.278	57	10 - 158
Nitrobenzene	1.49	µg/L	1	2.50	<0.371	60	10 - 156
TNT	2.14	µg/L	1	2.50	<0.324	86	21 - 114
4-amino-DNT / 2-amino-DNT	1.50	µg/L	1	2.50	<0.376	60	10 - 150
2,6-DNT / 2,4-DNT	1.95	µg/L	1	2.50	<0.417	78	21.3 - 150
2-NT	1.70	µg/L	1	2.50	<0.301	68	10 - 147
3-NT	1.93	µg/L	1	2.50	<0.305	77	10 - 167
4-NT	1.35	µg/L	1	2.50	<0.315	54	10 - 161

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	0.818	µg/L	1	2.50	<0.227	33	10 - 164	3	20
RDX	1.70	µg/L	1	2.50	<0.337	68	10 - 147	16	20
1,3,5-Trinitrobenzene	1.87	µg/L	1	2.50	<0.355	75	10 - 187	11	20
1,3-Dinitrobenzene	1.77	µg/L	1	2.50	<0.402	71	10 - 155	6	20
Tetryl	1.66	µg/L	1	2.50	<0.278	66	10 - 158	16	20
Nitrobenzene	1.79	µg/L	1	2.50	<0.371	72	10 - 156	18	20
TNT	2.06	µg/L	1	2.50	<0.324	82	21 - 114	4	20
4-amino-DNT / 2-amino-DNT	1.37	µg/L	1	2.50	<0.376	55	10 - 150	9	20
2,6-DNT / 2,4-DNT	1.83	µg/L	1	2.50	<0.417	73	21.3 - 150	6	20
2-NT	1.77	µg/L	1	2.50	<0.301	71	10 - 147	4	20
3-NT	1.83	µg/L	1	2.50	<0.305	73	10 - 167	5	20
4-NT	1.34	µg/L	1	2.50	<0.315	54	10 - 161	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
1,2-Dinitrobenzene	1.83	1.91	µg/L	1	2.5	73	76	10 - 222

Standard (ICV-1)

QC Batch: 41752 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	437	87	85 - 115	2007-10-03
RDX		µg/L	500	463	93	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	486	97	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	510	102	85 - 115	2007-10-03
Tetryl		µg/L	500	501	100	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	494	99	85 - 115	2007-10-03
TNT		µg/L	500	554	111	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	477	95	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	536	107	85 - 115	2007-10-03
2-NT		µg/L	500	441	88	85 - 115	2007-10-03
3-NT		µg/L	500	510	102	85 - 115	2007-10-03
4-NT		µg/L	500	511	102	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		496	µg/L	1	500	99	85 - 115

Standard (CCV-1)

QC Batch: 41752 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	464	93	85 - 115	2007-10-03

continued . . .

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
RDX		µg/L	500	481	96	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	436	87	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	533	107	85 - 115	2007-10-03
Tetryl		µg/L	500	465	93	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	474	95	85 - 115	2007-10-03
TNT		µg/L	500	495	99	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	441	88	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	534	107	85 - 115	2007-10-03
2-NT		µg/L	500	434	87	85 - 115	2007-10-03
3-NT		µg/L	500	485	97	85 - 115	2007-10-03
4-NT		µg/L	500	461	92	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		551	µg/L	1	500	110	85 - 115

Standard (ICV-1)

QC Batch: 41753 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	437	87	85 - 115	2007-10-03
RDX		µg/L	500	463	93	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	486	97	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	510	102	85 - 115	2007-10-03
Tetryl		µg/L	500	501	100	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	494	99	85 - 115	2007-10-03
TNT		µg/L	500	554	111	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	477	95	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	536	107	85 - 115	2007-10-03
2-NT		µg/L	500	441	88	85 - 115	2007-10-03
3-NT		µg/L	500	510	102	85 - 115	2007-10-03
4-NT		µg/L	500	511	102	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		496	µg/L	1	500	99	85 - 115

Standard (CCV-1)

QC Batch: 41753 Date Analyzed: 2007-10-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	464	93	85 - 115	2007-10-03

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
RDX		µg/L	500	481	96	85 - 115	2007-10-03
1,3,5-Trinitrobenzene		µg/L	500	436	87	85 - 115	2007-10-03
1,3-Dinitrobenzene		µg/L	500	533	107	85 - 115	2007-10-03
Tetryl		µg/L	500	465	93	85 - 115	2007-10-03
Nitrobenzene		µg/L	500	474	95	85 - 115	2007-10-03
TNT		µg/L	500	495	99	85 - 115	2007-10-03
4-amino-DNT / 2-amino-DNT		µg/L	500	441	88	85 - 115	2007-10-03
2,6-DNT / 2,4-DNT		µg/L	500	534	107	85 - 115	2007-10-03
2-NT		µg/L	500	434	87	85 - 115	2007-10-03
3-NT		µg/L	500	485	97	85 - 115	2007-10-03
4-NT		µg/L	500	461	92	85 - 115	2007-10-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		551	µg/L	1	500	110	85 - 115

134336

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
8/23/07	1200	HLSF-3839-HMW-034-0807	WATER	134336	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-3839-TB-919~~ GE	~~WATER~~	GE		~~X~~	GE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME)	(PRINTED NAME) Jennifer Schmidt
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/COOLED	4C	(TIME/DATE) 4:10 8-23-07	(TIME/DATE) 17:25 8-23-07	(TIME/DATE) 8/25 1130 4°
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lonestar 4086

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CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
8/23/07	1200	HLSF-3839-HMW-034-0807	WATER	134336	20	X	X	

NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) Jaime Gutierrez	(PRINTED NAME) Jennifer Johnson
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: Lab Courior	CHAIN OF CUSTODY SEALS		(TIME/DATE) 4:15 8-23-07	(TIME/DATE) 17:25 8-23-07	(TIME/DATE) 8/25 1130 4°
	GOOD CONDITION/CHILLED	4C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lone Star 402867
	CONFORMS TO RECORD				

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esquerra

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCs	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
8/24/07	1225	HLSF-3839-HMW-032-0807	WATER	134464	20	X	X	X	X	X	X	X	X	X	X	
		HLSE-3839-TB-916 - SE	~~WATER~~	SE		~~X~~	SE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esquerra	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Jennifer Schmidt
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 3:15 6/24/07	(TIME/DATE) 1625 8-24-07	(TIME/DATE) 8/25/07 1130 4°
VIA: Lab Courier	CONFORMS TO RECORD	Y	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lone Star UV Pele Pkg

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
8/24/07	1225	HLSF-3839-HMW-032-0807	WATER	134969	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Jennifer Schmidt
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
	GOOD CONDITION/CHILLED: 42	(TIME/DATE): 1510 8/24/07	(TIME/DATE): 16:25 8-24-07	(TIME/DATE): 8/25/07 1130 4°
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						ANALYSIS REQUESTED										
8/27/07	1402	HLSF-3839-HMW-033-0807	WATER	134733	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-3839-TB-917~~	~~WATER~~			~~X~~	~~X~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): James Gutierrez	(PRINTED NAME): BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
	GOOD CONDITION/CHILLED	2°C	(TIME/DATE): 9:10 8/28/07	(TIME/DATE): 10:30 8-28-07	(TIME/DATE): 8/29/07 10:30
VIA: Lab Courier	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS. 40866962

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
8/27/07	1402	HLSF-3839-HMW-033-0807	WATER	134134	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Ly Back
VIA: Lab Courior	CHAIN OF CUSTODY SEALS		(TIME/DATE): 9:10 8/28/07	(TIME/DATE): 10:30 8-28-07	(TIME/DATE): 8/29/07 ~~9:20~~ 10:30
	GOOD CONDITION/CHILLED	2°c	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		
	CONFORMS TO RECORD	NA			

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
8/27/07	1030	HLSF-3839-HMW-059-0807	WATER	134734	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-3839-TB-920~~ DE	~~WATER~~ DE	DE		~~X~~	DE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda / GEORGE ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trac Lab
VIA: Lab Courier	GOOD CONDITION/CHILLED	2°C	(TIME/DATE): 910 8/28/07	(TIME/DATE): 10:30 8-28-07	(TIME/DATE): 8/29/07 10:30
	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS. 40866962

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
8/27/07	1030	HLSF-3839-HMW-059-0807	WATER	134734	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED	George Esqueda		Brenda Ward
	TOTAL NO. OF CONTAINERS	(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trac Lab
	GOOD CONDITION/CHILLED 2°C	(TIME/DATE) 9:10 8/28/07	(TIME/DATE) 10:30 8-28-07	(TIME/DATE) 8/29/07 10:30
VIA: Lab Courior	CONFORMS TO RECORD MA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L.S. 40866962

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
						VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	
8/27/07	1030	HLSF-3839-HMW-059-0807-ms/msd	WATER	134734	23	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-3839-TB-921~~ DE	~~WATER~~ DE	DE		~~X~~	DE									**NOTE: Trip blanks were not supplied by the lab**

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Lab
	GOOD CONDITION/CHILLED	2C	(TIME/DATE): 9:10 8/28/07	(TIME/DATE): 10:30 8-28-07	(TIME/DATE): 8/29/07 10:30
VIA: Lab Courier	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
8/27/07	1030	HLSF-3839-HMW-059-0807-ms/msd	WATER	134734	23	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED	George Esqueda		BRENDA WARD
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Brenda Ward
VIA: Lab Courior	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TAAS LAB
	GOOD CONDITION/ CHILLED 2°C	(TIME/ DATE) 9:10 8/28/07	(TIME/ DATE) 10:30 8-29-07	(TIME/ DATE) 8/29/07 10:30
	CONFORMS TO RECORD MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
4	HELSTF Construction Landfill		VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	
SAMPLER'S SIGNATURE: George Esqueda													
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.									
8/27/07	1402	HLSF-3839-HMW-133-0807	WATER	134735	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-3839-TB-518~~	~~WATER~~			~~X~~	GE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Lab.
	GOOD CONDITION/CHILLED	2.0	(TIME/DATE): 9:40 8/28/07	(TIME/DATE): 10:30 8-28-07	(TIME/DATE): 8/29/07
VIA: Lab Courier	CONFORMS TO RECORD	MT	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS. 40866962 9:35

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
8/27/07	1402	HLSF-3839-HMW-133-0807	WATER	134935	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		BRENDA WARD
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace LAB
	GOOD CONDITION/CHILLED	2°C	(TIME/DATE) 9:10 8/28/07	(TIME/DATE) 10:30 8-28-07	(TIME/DATE) 8/29/07
VIA: Lab Courior	CONFORMS TO RECORD	M	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS. 40866962 9:35		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

135379

7090610

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

922

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCS	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9-4-07	1300	HLSF-3839-HMW-065-0807 09 DE	WATER	135379	20	X	X	X	X	X	X	X	X	X	X	
		HLSF 3839 TB 922	WATER			X	DE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	
VIA: Lab Courier	GOOD CONDITION/CHILLED	4C
	CONFORMS TO RECORD	

1. RELINQUISHED BY: (SIGNATURE) George Esqueda
(PRINTED NAME) George ESQUEDA
RECEIVED BY: (SIGNATURE)
(TIME/DATE) 4:00 9/4/07

2. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME) James Gutierrez
RECEIVED BY: (SIGNATURE)
(TIME/DATE) 1715 9-4-07

3. RECEIVED BY LAB: (SIGNATURE) Brenda Ward
(PRINTED NAME) BRENDA WARD
(COMPANY) TracLubBock
(TIME/DATE) 9/6/07 9:02

SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS, 40866954

4°

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709060

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

922

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
4	HELSTF Construction Landfill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
		09						
9-4-07	1300	HLSF-3839-HMW-065-0807	WATER	135379	20	X	X	
		HE						NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esqueda	(PRINTED NAME): James Goldsmith	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Lab
	GOOD CONDITION/C HILLED	(TIME/ DATE): 9:00 9/4/07	(TIME/ DATE): 12:15 9-4-07	(TIME/ DATE): 9/6/07 9:14
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		4086954 40

PLEASE USE BALL POINT PEN

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Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Nitrate and Nitrite as N	E 353.3

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	Sample Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**14.7**		mg/L	100	0.100

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	Sample Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**29.8**		mg/L	100	0.100

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	Sample Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**100**		mg/L	500	0.100

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	Sample Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**16.4**		mg/L	100	0.100

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	Sample Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**106**	mg/L	500	0.100

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	40990	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35436	Sample Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**46.6**	mg/L	200	0.100

Method Blank (1) QC Batch: 40986

QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	QC Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Method Blank (1) QC Batch: 40990

QC Batch:	40990	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35436	QC Preparation:	2007-09-10	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Laboratory Control Spike (LCS-1)

QC Batch:	40986	Date Analyzed:	2007-09-11	Analyzed By:	MM
Prep Batch:	35434	QC Preparation:	2007-09-10	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.153	mg/L	1	0.160	<0.0223	96	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.155	mg/L	1	0.160	<0.0223	97	77 - 122	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40990 Date Analyzed: 2007-09-11 Analyzed By: MM
Prep Batch: 35436 QC Preparation: 2007-09-10 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.152	mg/L	1	0.160	<0.0223	95	77 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.145	mg/L	1	0.160	<0.0223	91	77 - 122	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40986 Date Analyzed: 2007-09-11 Analyzed By: MM
Prep Batch: 35434 QC Preparation: 2007-09-10 Prepared By: MM

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[1]	14.7	mg/L	100	16.0	16.44	-9	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[2]	15.0	mg/L	100	16.0	16.44	-9	10 - 208	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135379

QC Batch: 40990 Date Analyzed: 2007-09-11 Analyzed By: MM
Prep Batch: 35436 QC Preparation: 2007-09-10 Prepared By: MM

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[3]	47.7	mg/L	1	32.0	46.62	3	10 - 208

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[4]	47.0	mg/L	1	32.0	46.62	1	10 - 208	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (ICV-1)

QC Batch: 40986 Date Analyzed: 2007-09-11 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.156	98	85 - 115	2007-09-11

Standard (CCV-1)

QC Batch: 40986 Date Analyzed: 2007-09-11 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.157	98	85 - 115	2007-09-11

Standard (ICV-1)

QC Batch: 40990 Date Analyzed: 2007-09-11 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.141	88	85 - 115	2007-09-11

Standard (CCV-1)

QC Batch: 40990 Date Analyzed: 2007-09-11 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.147	92	85 - 115	2007-09-11

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
pH	SM 4500-H+

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	40409	Date Analyzed:	2007-08-24	Analyzed By:	MD
Prep Batch:	34963	Sample Preparation:	2007-08-24	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.55**	s.u.	1	0.00

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	40493	Date Analyzed:	2007-08-27	Analyzed By:	JG
Prep Batch:	35026	Sample Preparation:	2007-08-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.62**	s.u.	1	0.00

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	40593	Date Analyzed:	2007-08-28	Analyzed By:	JG
Prep Batch:	35114	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.42**	s.u.	1	0.00

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	40593	Date Analyzed:	2007-08-28	Analyzed By:	JG
Prep Batch:	35114	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.52**	s.u.	1	0.00

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	40593	Date Analyzed:	2007-08-28	Analyzed By:	JG
Prep Batch:	35114	Sample Preparation:	2007-08-28	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.47**	s.u.	1	0.00

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	40827	Date Analyzed:	2007-09-05	Analyzed By:	JG
Prep Batch:	35293	Sample Preparation:	2007-09-05	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.69**	s.u.	1	0.00

Duplicates (1)

QC Batch:	40409	Date Analyzed:	2007-08-24	Analyzed By:	MD
Prep Batch:	34963	QC Preparation:	2007-08-24	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.54	7.55	s.u.	1	0	20

Duplicates (1)

QC Batch:	40493	Date Analyzed:	2007-08-27	Analyzed By:	JG
Prep Batch:	35026	QC Preparation:	2007-08-27	Prepared By:	JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.65	7.62	s.u.	1	0	20

Duplicates (1)

QC Batch:	40593	Date Analyzed:	2007-08-28	Analyzed By:	JG
Prep Batch:	35114	QC Preparation:	2007-08-28	Prepared By:	JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.52	7.52	s.u.	1	0	20

Duplicates (1)

QC Batch:	40827	Date Analyzed:	2007-09-05	Analyzed By:	JG
Prep Batch:	35293	QC Preparation:	2007-09-05	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.66	7.69	s.u.	1	0	20

Standard (ICV-1)

QC Batch: 40409 Date Analyzed: 2007-08-24 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-08-24

Standard (CCV-1)

QC Batch: 40409 Date Analyzed: 2007-08-24 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2007-08-24

Standard (ICV-1)

QC Batch: 40493 Date Analyzed: 2007-08-27 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-08-27

Standard (CCV-1)

QC Batch: 40493 Date Analyzed: 2007-08-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.95	99	98.8 - 101	2007-08-27

Standard (ICV-1)

QC Batch: 40593 Date Analyzed: 2007-08-28 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-08-28

Standard (CCV-1)

QC Batch: 40593 Date Analyzed: 2007-08-28 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-08-28

Standard (ICV-1)

QC Batch: 40827 Date Analyzed: 2007-09-05 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.03	100	98.8 - 101	2007-09-05

Standard (CCV-1)

QC Batch: 40827 Date Analyzed: 2007-09-05 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-09-05

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 26 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	Sample Preparation:	2007-08-29	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500

continued ...

sample 134336 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0154	mg/L	1	0.0800	19	10 - 84.7
Phenol-d5		0.0120	mg/L	1	0.0800	15	10 - 54.9
Nitrobenzene-d5		0.0381	mg/L	1	0.0800	48	10 - 202
2-Fluorobiphenyl		0.0360	mg/L	1	0.0800	45	10 - 199
2,4,6-Tribromophenol		0.0346	mg/L	1	0.0800	43	10 - 141
Terphenyl-d14		0.0730	mg/L	1	0.0800	91	10 - 160

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	Sample Preparation:	2007-08-29	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500

continued ...

sample 134464 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500

continued . . .

sample 134464 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0227	mg/L	1	0.0800	28	10 - 84.7
Phenol-d5		0.0169	mg/L	1	0.0800	21	10 - 54.9
Nitrobenzene-d5		0.0552	mg/L	1	0.0800	69	10 - 202
2-Fluorobiphenyl		0.0466	mg/L	1	0.0800	58	10 - 199
2,4,6-Tribromophenol		0.0465	mg/L	1	0.0800	58	10 - 141
Terphenyl-d14		0.0803	mg/L	1	0.0800	100	10 - 160

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	Sample Preparation:	2007-08-29	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500

continued . . .

sample 134733 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500

continued . . .

sample 134733 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0257	mg/L	1	0.0800	32	10 - 84.7
Phenol-d5		0.0220	mg/L	1	0.0800	28	10 - 54.9
Nitrobenzene-d5		0.0539	mg/L	1	0.0800	67	10 - 202
2-Fluorobiphenyl		0.0578	mg/L	1	0.0800	72	10 - 199
2,4,6-Tribromophenol		0.0522	mg/L	1	0.0800	65	10 - 141
Terphenyl-d14		0.0822	mg/L	1	0.0800	103	10 - 160

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	Sample Preparation:	2007-08-29	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500

continued . . .

sample 134734 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100

continued ...

sample 134734 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0290	mg/L	1	0.0800	36	10 - 84.7
Phenol-d5		0.0212	mg/L	1	0.0800	26	10 - 54.9
Nitrobenzene-d5		0.0656	mg/L	1	0.0800	82	10 - 202
2-Fluorobiphenyl		0.0704	mg/L	1	0.0800	88	10 - 199
2,4,6-Tribromophenol		0.0519	mg/L	1	0.0800	65	10 - 141
Terphenyl-d14		0.0747	mg/L	1	0.0800	93	10 - 160

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	Sample Preparation:	2007-08-29	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500

continued ...

sample 134735 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0337	mg/L	1	0.0800	42	10 - 84.7
Phenol-d5		0.0276	mg/L	1	0.0800	34	10 - 54.9
Nitrobenzene-d5		0.0653	mg/L	1	0.0800	82	10 - 202
2-Fluorobiphenyl		0.0496	mg/L	1	0.0800	62	10 - 199
2,4,6-Tribromophenol		0.0591	mg/L	1	0.0800	74	10 - 141
Terphenyl-d14		0.0748	mg/L	1	0.0800	94	10 - 160

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	41019	Date Analyzed:	2007-09-11	Analyzed By:	DS
Prep Batch:	35454	Sample Preparation:	2007-09-11	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500

continued ...

sample 135379 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500

continued . . .

sample 135379 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0179	mg/L	1	0.0800	22	10 - 84.7
Phenol-d5		0.0137	mg/L	1	0.0800	17	10 - 54.9
Nitrobenzene-d5		0.0424	mg/L	1	0.0800	53	10 - 202
2-Fluorobiphenyl		0.0509	mg/L	1	0.0800	64	10 - 199
2,4,6-Tribromophenol		0.0406	mg/L	1	0.0800	51	10 - 141
Terphenyl-d14		0.0791	mg/L	1	0.0800	99	10 - 160

Method Blank (1) QC Batch: 40629

QC Batch: 40629 | Date Analyzed: 2007-08-30 | Analyzed By: DS
Prep Batch: 35143 | QC Preparation: 2007-08-29 | Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0142	mg/L	1	0.0800	18	10 - 66.9
Phenol-d5		0.0102	mg/L	1	0.0800	13	10 - 50.7
Nitrobenzene-d5		0.0366	mg/L	1	0.0800	46	10 - 124
2-Fluorobiphenyl		0.0341	mg/L	1	0.0800	43	10 - 127
2,4,6-Tribromophenol		0.0393	mg/L	1	0.0800	49	10 - 138
Terphenyl-d14		0.0638	mg/L	1	0.0800	80	10 - 143

Method Blank (1) QC Batch: 41019

QC Batch:	41019	Date Analyzed:	2007-09-11	Analyzed By:	DS
Prep Batch:	35454	QC Preparation:	2007-09-11	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0130	mg/L	1	0.0800	16	10 - 66.9
Phenol-d5		0.00980	mg/L	1	0.0800	12	10 - 50.7
Nitrobenzene-d5		0.0414	mg/L	1	0.0800	52	10 - 124
2-Fluorobiphenyl		0.0493	mg/L	1	0.0800	62	10 - 127
2,4,6-Tribromophenol		0.0419	mg/L	1	0.0800	52	10 - 138
Terphenyl-d14		0.0816	mg/L	1	0.0800	102	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	QC Preparation:	2007-08-29	Prepared By:	DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0140	mg/L	1	0.0800	0	18	10 - 46.1
2-Chlorophenol	0.0447	mg/L	1	0.0800	0	56	10 - 123
1,4-Dichlorobenzene (para)	0.0337	mg/L	1	0.0800	0	42	10 - 118
N-Nitrosodi-n-propylamine	0.0557	mg/L	1	0.0800	0	70	10 - 132
1,2,4-Trichlorobenzene	0.0363	mg/L	1	0.0800	0	45	10 - 130
Naphthalene	0.0371	mg/L	1	0.0800	0	46	20.3 - 121
4-Chloro-3-methylphenol	0.0412	mg/L	1	0.0800	0	52	10 - 140
Acenaphthylene	0.0593	mg/L	1	0.0800	0	74	22.3 - 124
Acenaphthene	0.0549	mg/L	1	0.0800	0	69	18.8 - 134
Dibenzofuran	0.0576	mg/L	1	0.0800	0	72	37.5 - 102
4-Nitrophenol	0.00811	mg/L	1	0.0800	0	10	10 - 135
2,4-Dinitrotoluene	0.0686	mg/L	1	0.0800	0	86	13.6 - 152
Fluorene	0.0583	mg/L	1	0.0800	0	73	29.7 - 114
Pentachlorophenol	0.0528	mg/L	1	0.0800	0	66	10 - 144
Anthracene	0.0679	mg/L	1	0.0800	0	85	48.2 - 118
Phenanthrene	0.0678	mg/L	1	0.0800	0	85	45.5 - 121
Fluoranthene	0.0721	mg/L	1	0.0800	0	90	42.7 - 126
Pyrene	0.0642	mg/L	1	0.0800	0	80	26.8 - 155
Benzo(a)anthracene	0.0629	mg/L	1	0.0800	0	79	60.2 - 97.3
Chrysene	0.0640	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0619	mg/L	1	0.0800	0	77	73.9 - 102
Benzo(k)fluoranthene	0.0628	mg/L	1	0.0800	0	78	45.6 - 143
Benzo(a)pyrene	0.0680	mg/L	1	0.0800	0	85	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0750	mg/L	1	0.0800	0	94	61.4 - 118
Dibenzo(a,h)anthracene	0.0735	mg/L	1	0.0800	0	92	64.9 - 118
Benzo(g,h,i)perylene	0.0702	mg/L	1	0.0800	0	88	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0125	mg/L	1	0.0800	0	16	10 - 46.1	11	20
2-Chlorophenol	0.0415	mg/L	1	0.0800	0	52	10 - 123	7	20
1,4-Dichlorobenzene (para)	0.0311	mg/L	1	0.0800	0	39	10 - 118	8	20
N-Nitrosodi-n-propylamine	0.0509	mg/L	1	0.0800	0	64	10 - 132	9	20
1,2,4-Trichlorobenzene	0.0340	mg/L	1	0.0800	0	42	10 - 130	6	20
Naphthalene	0.0346	mg/L	1	0.0800	0	43	20.3 - 121	7	20
4-Chloro-3-methylphenol	0.0371	mg/L	1	0.0800	0	46	10 - 140	10	20
Acenaphthylene	0.0558	mg/L	1	0.0800	0	70	22.3 - 124	6	20
Acenaphthene	0.0518	mg/L	1	0.0800	0	65	18.8 - 134	6	20
Dibenzofuran	0.0546	mg/L	1	0.0800	0	68	37.5 - 102	5	20
4-Nitrophenol [1]	0.00741	mg/L	1	0.0800	0	9	10 - 135	9	20
2,4-Dinitrotoluene	0.0661	mg/L	1	0.0800	0	83	13.6 - 152	4	20
Fluorene	0.0561	mg/L	1	0.0800	0	70	29.7 - 114	4	20
Pentachlorophenol	0.0494	mg/L	1	0.0800	0	62	10 - 144	7	20
Anthracene	0.0635	mg/L	1	0.0800	0	79	48.2 - 118	7	20
Phenanthrene	0.0630	mg/L	1	0.0800	0	79	45.5 - 121	7	20
Fluoranthene	0.0667	mg/L	1	0.0800	0	83	42.7 - 126	8	20
Pyrene	0.0602	mg/L	1	0.0800	0	75	26.8 - 155	6	20
Benzo(a)anthracene	0.0588	mg/L	1	0.0800	0	74	60.2 - 97.3	7	20

continued ...

[1] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chrysene	0.0598	mg/L	1	0.0800	0	75	56 - 92.4	7	20
Benzo(b)fluoranthene [2]	0.0582	mg/L	1	0.0800	0	73	73.9 - 102	6	20
Benzo(k)fluoranthene	0.0597	mg/L	1	0.0800	0	75	45.6 - 143	5	20
Benzo(a)pyrene	0.0643	mg/L	1	0.0800	0	80	54.8 - 122	6	20
Indeno(1,2,3-cd)pyrene	0.0715	mg/L	1	0.0800	0	89	61.4 - 118	5	20
Dibenzo(a,h)anthracene	0.0700	mg/L	1	0.0800	0	88	64.9 - 118	5	20
Benzo(g,h,i)perylene	0.0676	mg/L	1	0.0800	0	84	46.8 - 129	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0199	0.0192	mg/L	1	0.0800	25	24	10 - 109
Phenol-d5	0.0163	0.0150	mg/L	1	0.0800	20	19	10 - 61.5
Nitrobenzene-d5	0.0535	0.0503	mg/L	1	0.0800	67	63	10 - 139
2-Fluorobiphenyl	0.0532	0.0500	mg/L	1	0.0800	66	62	10 - 139
2,4,6-Tribromophenol	0.0664	0.0634	mg/L	1	0.0800	83	79	10 - 161
Terphenyl-d14	0.0738	0.0689	mg/L	1	0.0800	92	86	10 - 144

Laboratory Control Spike (LCS-1)

QC Batch: 41019 Date Analyzed: 2007-09-11 Analyzed By: DS
Prep Batch: 35454 QC Preparation: 2007-09-11 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0210	mg/L	1	0.0800	0	26	10 - 46.1
2-Chlorophenol	0.0616	mg/L	1	0.0800	0	77	10 - 123
1,4-Dichlorobenzene (para)	0.0564	mg/L	1	0.0800	0	70	10 - 118
N-Nitrosodi-n-propylamine	0.0629	mg/L	1	0.0800	0	79	10 - 132
1,2,4-Trichlorobenzene	0.0596	mg/L	1	0.0800	0	74	10 - 130
Naphthalene	0.0651	mg/L	1	0.0800	0	81	20.3 - 121
4-Chloro-3-methylphenol	0.0459	mg/L	1	0.0800	0	57	10 - 140
Acenaphthylene	0.0782	mg/L	1	0.0800	0	98	22.3 - 124
Acenaphthene	0.0731	mg/L	1	0.0800	0	91	18.8 - 134
Dibenzofuran	0.0756	mg/L	1	0.0800	0	94	37.5 - 102
4-Nitrophenol	0.00975	mg/L	1	0.0800	0	12	10 - 135
2,4-Dinitrotoluene	0.0832	mg/L	1	0.0800	0	104	13.6 - 152
Fluorene	0.0769	mg/L	1	0.0800	0	96	29.7 - 114
Pentachlorophenol	0.0516	mg/L	1	0.0800	0	64	10 - 144
Anthracene	0.0753	mg/L	1	0.0800	0	94	48.2 - 118
Phenanthrene	0.0727	mg/L	1	0.0800	0	91	45.5 - 121
Fluoranthene	0.0733	mg/L	1	0.0800	0	92	42.7 - 126
Pyrene	0.0652	mg/L	1	0.0800	0	82	26.8 - 155
Benzo(a)anthracene	0.0630	mg/L	1	0.0800	0	79	60.2 - 97.3
Chrysene	0.0654	mg/L	1	0.0800	0	82	56 - 92.4
Benzo(b)fluoranthene	0.0686	mg/L	1	0.0800	0	86	73.9 - 102
Benzo(k)fluoranthene	0.0755	mg/L	1	0.0800	0	94	45.6 - 143

continued ...

[2] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzo(a)pyrene	0.0779	mg/L	1	0.0800	0	97	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0851	mg/L	1	0.0800	0	106	61.4 - 118
Dibenzo(a,h)anthracene	0.0819	mg/L	1	0.0800	0	102	64.9 - 118
Benzo(g,h,i)perylene	0.0830	mg/L	1	0.0800	0	104	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0208	mg/L	1	0.0800	0	26	10 - 46.1	1	20
2-Chlorophenol	0.0606	mg/L	1	0.0800	0	76	10 - 123	2	20
1,4-Dichlorobenzene (para)	0.0557	mg/L	1	0.0800	0	70	10 - 118	1	20
N-Nitrosodi-n-propylamine	0.0673	mg/L	1	0.0800	0	84	10 - 132	7	20
1,2,4-Trichlorobenzene	0.0591	mg/L	1	0.0800	0	74	10 - 130	1	20
Naphthalene	0.0654	mg/L	1	0.0800	0	82	20.3 - 121	0	20
4-Chloro-3-methylphenol	0.0496	mg/L	1	0.0800	0	62	10 - 140	8	20
Acenaphthylene	0.0775	mg/L	1	0.0800	0	97	22.3 - 124	1	20
Acenaphthene	0.0729	mg/L	1	0.0800	0	91	18.8 - 134	0	20
Dibenzofuran	0.0759	mg/L	1	0.0800	0	95	37.5 - 102	0	20
4-Nitrophenol	0.00940	mg/L	1	0.0800	0	12	10 - 135	4	20
2,4-Dinitrotoluene	0.0802	mg/L	1	0.0800	0	100	13.6 - 152	4	20
Fluorene	0.0754	mg/L	1	0.0800	0	94	29.7 - 114	2	20
Pentachlorophenol	0.0536	mg/L	1	0.0800	0	67	10 - 144	4	20
Anthracene	0.0744	mg/L	1	0.0800	0	93	48.2 - 118	1	20
Phenanthrene	0.0726	mg/L	1	0.0800	0	91	45.5 - 121	0	20
Fluoranthene	0.0734	mg/L	1	0.0800	0	92	42.7 - 126	0	20
Pyrene	0.0650	mg/L	1	0.0800	0	81	26.8 - 155	0	20
Benzo(a)anthracene	0.0626	mg/L	1	0.0800	0	78	60.2 - 97.3	1	20
Chrysene	0.0658	mg/L	1	0.0800	0	82	56 - 92.4	1	20
Benzo(b)fluoranthene	0.0660	mg/L	1	0.0800	0	82	73.9 - 102	4	20
Benzo(k)fluoranthene	0.0717	mg/L	1	0.0800	0	90	45.6 - 143	5	20
Benzo(a)pyrene	0.0738	mg/L	1	0.0800	0	92	54.8 - 122	5	20
Indeno(1,2,3-cd)pyrene	0.0802	mg/L	1	0.0800	0	100	61.4 - 118	6	20
Dibenzo(a,h)anthracene	0.0768	mg/L	1	0.0800	0	96	64.9 - 118	6	20
Benzo(g,h,i)perylene	0.0790	mg/L	1	0.0800	0	99	46.8 - 129	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0294	0.0290	mg/L	1	0.0800	37	36	10 - 109
Phenol-d5	0.0225	0.0223	mg/L	1	0.0800	28	28	10 - 61.5
Nitrobenzene-d5	0.0726	0.0726	mg/L	1	0.0800	91	91	10 - 139
2-Fluorobiphenyl	0.0815	0.0801	mg/L	1	0.0800	102	100	10 - 139
2,4,6-Tribromophenol	0.0815	0.0797	mg/L	1	0.0800	102	100	10 - 161
Terphenyl-d14	0.0743	0.0743	mg/L	1	0.0800	93	93	10 - 144

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch:	40629	Date Analyzed:	2007-08-30	Analyzed By:	DS
Prep Batch:	35143	QC Preparation:	2007-08-29	Prepared By:	DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0219	mg/L	1	0.0800	0	27	10 - 53.2
2-Chlorophenol	0.0601	mg/L	1	0.0800	0	75	10 - 127
1,4-Dichlorobenzene (para)	0.0593	mg/L	1	0.0800	0	74	10 - 109
N-Nitrosodi-n-propylamine	0.0808	mg/L	1	0.0800	0	101	10 - 122
1,2,4-Trichlorobenzene	0.0567	mg/L	1	0.0800	0	71	10 - 121
Naphthalene	0.0584	mg/L	1	0.0800	0	73	16 - 95
4-Chloro-3-methylphenol	0.0541	mg/L	1	0.0800	0	68	10 - 193
Acenaphthylene	0.0718	mg/L	1	0.0800	0	90	16 - 95
Acenaphthene	0.0668	mg/L	1	0.0800	0	84	10 - 133
Dibenzofuran	0.0675	mg/L	1	0.0800	0	84	16 - 95
4-Nitrophenol	0.0129	mg/L	1	0.0800	0	16	10 - 131
2,4-Dinitrotoluene	0.0684	mg/L	1	0.0800	0	86	10 - 163
Fluorene	0.0662	mg/L	1	0.0800	0	83	16 - 95
Pentachlorophenol	0.0578	mg/L	1	0.0800	0	72	10 - 163
Anthracene	0.0724	mg/L	1	0.0800	0	90	16 - 95
Phenanthrene	0.0701	mg/L	1	0.0800	0	88	16 - 95
Fluoranthene	0.0730	mg/L	1	0.0800	0	91	16 - 95
Pyrene	0.0675	mg/L	1	0.0800	0	84	17.6 - 146
Benzo(a)anthracene	0.0641	mg/L	1	0.0800	0	80	16 - 95
Chrysene	0.0651	mg/L	1	0.0800	0	81	16 - 95
Benzo(b)fluoranthene	0.0620	mg/L	1	0.0800	0	78	16 - 95
Benzo(k)fluoranthene	0.0671	mg/L	1	0.0800	0	84	16 - 95
Benzo(a)pyrene	0.0707	mg/L	1	0.0800	0	88	16 - 95
Indeno(1,2,3-cd)pyrene [3]	0.0778	mg/L	1	0.0800	0	97	16 - 95
Dibenzo(a,h)anthracene	0.0762	mg/L	1	0.0800	0	95	16 - 95
Benzo(g,h,i)perylene	0.0747	mg/L	1	0.0800	0	93	16 - 95

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0209	mg/L	1	0.0800	0	26	10 - 53.2	5	20
2-Chlorophenol	0.0595	mg/L	1	0.0800	0	74	10 - 127	1	20
1,4-Dichlorobenzene (para)	0.0584	mg/L	1	0.0800	0	73	10 - 109	2	20
N-Nitrosodi-n-propylamine	0.0759	mg/L	1	0.0800	0	95	10 - 122	6	20
1,2,4-Trichlorobenzene	0.0564	mg/L	1	0.0800	0	70	10 - 121	0	20
Naphthalene	0.0586	mg/L	1	0.0800	0	73	16 - 95	0	20
4-Chloro-3-methylphenol	0.0526	mg/L	1	0.0800	0	66	10 - 193	3	20
Acenaphthylene	0.0721	mg/L	1	0.0800	0	90	16 - 95	0	20
Acenaphthene	0.0666	mg/L	1	0.0800	0	83	10 - 133	0	20
Dibenzofuran	0.0681	mg/L	1	0.0800	0	85	16 - 95	1	20
4-Nitrophenol	0.0130	mg/L	1	0.0800	0	16	10 - 131	1	20
2,4-Dinitrotoluene	0.0700	mg/L	1	0.0800	0	88	10 - 163	2	20
Fluorene	0.0672	mg/L	1	0.0800	0	84	16 - 95	2	20
Pentachlorophenol	0.0574	mg/L	1	0.0800	0	72	10 - 163	1	20
Anthracene	0.0720	mg/L	1	0.0800	0	90	16 - 95	1	20
Phenanthrene	0.0704	mg/L	1	0.0800	0	88	16 - 95	0	20
Fluoranthene	0.0720	mg/L	1	0.0800	0	90	16 - 95	1	20
Pyrene	0.0664	mg/L	1	0.0800	0	83	17.6 - 146	2	20
Benzo(a)anthracene	0.0643	mg/L	1	0.0800	0	80	16 - 95	0	20

continued . . .

[3] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chrysene		0.0648	mg/L	1	0.0800	0	81	16 - 95	0	20
Benzo(b)fluoranthene		0.0620	mg/L	1	0.0800	0	78	16 - 95	0	20
Benzo(k)fluoranthene		0.0678	mg/L	1	0.0800	0	85	16 - 95	1	20
Benzo(a)pyrene		0.0709	mg/L	1	0.0800	0	89	16 - 95	0	20
Indeno(1,2,3-cd)pyrene	[4]	0.0794	mg/L	1	0.0800	0	99	16 - 95	2	20
Dibenzo(a,h)anthracene	[5]	0.0773	mg/L	1	0.0800	0	97	16 - 95	1	20
Benzo(g,h,i)perylene		0.0756	mg/L	1	0.0800	0	94	16 - 95	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0328	0.0324	mg/L	1	0.08	41	40	10 - 72.2
Phenol-d5	0.0253	0.0254	mg/L	1	0.08	32	32	10 - 50.2
Nitrobenzene-d5	0.0709	0.0714	mg/L	1	0.08	89	89	10 - 131
2-Fluorobiphenyl	0.0787	0.0766	mg/L	1	0.08	98	96	10 - 118
2,4,6-Tribromophenol	0.0712	0.0729	mg/L	1	0.08	89	91	10 - 181
Terphenyl-d14	0.0772	0.0765	mg/L	1	0.08	96	96	10 - 155

Standard (CCV-1)

QC Batch: 40629 Date Analyzed: 2007-08-30 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	63.5	106	80 - 120	2007-08-30
1,4-Dichlorobenzene (para)		mg/L	60.0	59.4	99	80 - 120	2007-08-30
2-Nitrophenol		mg/L	60.0	66.3	110	80 - 120	2007-08-30
2,4-Dichlorophenol		mg/L	60.0	61.0	102	80 - 120	2007-08-30
Hexachlorobutadiene		mg/L	60.0	54.4	91	80 - 120	2007-08-30
4-Chloro-3-methylphenol		mg/L	60.0	54.7	91	80 - 120	2007-08-30
2,4,6-Trichlorophenol		mg/L	60.0	60.4	101	80 - 120	2007-08-30
Acenaphthene		mg/L	60.0	58.3	97	80 - 120	2007-08-30
Diphenylamine		mg/L	60.0	63.3	106	80 - 120	2007-08-30
Pentachlorophenol		mg/L	60.0	58.3	97	80 - 120	2007-08-30
Fluoranthene		mg/L	60.0	60.4	101	80 - 120	2007-08-30
Di-n-octylphthalate		mg/L	60.0	67.1	112	80 - 120	2007-08-30
Benzo(a)pyrene		mg/L	60.0	60.6	101	80 - 120	2007-08-30

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		57.5	mg/L	1	60.0	96	80 - 120
Phenol-d5		60.9	mg/L	1	60.0	102	80 - 120
Nitrobenzene-d5		58.2	mg/L	1	60.0	97	80 - 120
2-Fluorobiphenyl		59.2	mg/L	1	60.0	99	80 - 120
2,4,6-Tribromophenol		57.7	mg/L	1	60.0	96	80 - 120
Terphenyl-d14		61.0	mg/L	1	60.0	102	80 - 120

[4] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] MSD analyte out of range. MS/MSD has an RPD within limits. Therefore, MS shows extraction occurred properly.

Standard (CCV-1)

QC Batch: 41019 Date Analyzed: 2007-09-11 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	55.5	92	80 - 120	2007-09-11
1,4-Dichlorobenzene (para)		mg/L	60.0	59.8	100	80 - 120	2007-09-11
2-Nitrophenol		mg/L	60.0	62.1	104	80 - 120	2007-09-11
2,4-Dichlorophenol		mg/L	60.0	57.6	96	80 - 120	2007-09-11
Hexachlorobutadiene		mg/L	60.0	57.6	96	80 - 120	2007-09-11
4-Chloro-3-methylphenol		mg/L	60.0	59.4	99	80 - 120	2007-09-11
2,4,6-Trichlorophenol		mg/L	60.0	55.3	92	80 - 120	2007-09-11
Acenaphthene		mg/L	60.0	58.6	98	80 - 120	2007-09-11
Diphenylamine		mg/L	60.0	65.6	109	80 - 120	2007-09-11
Pentachlorophenol		mg/L	60.0	51.0	85	80 - 120	2007-09-11
Fluoranthene		mg/L	60.0	58.7	98	80 - 120	2007-09-11
Di-n-octylphthalate		mg/L	60.0	64.8	108	80 - 120	2007-09-11
Benzo(a)pyrene		mg/L	60.0	60.7	101	80 - 120	2007-09-11

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		56.3	mg/L	1	60.0	94	80 - 120
Phenol-d5		53.6	mg/L	1	60.0	89	80 - 120
Nitrobenzene-d5		58.9	mg/L	1	60.0	98	80 - 120
2-Fluorobiphenyl		54.8	mg/L	1	60.0	91	80 - 120
2,4,6-Tribromophenol		55.5	mg/L	1	60.0	92	80 - 120
Terphenyl-d14		60.4	mg/L	1	60.0	101	80 - 120

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TDS	SM 2540C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**12300**	mg/L	1	5.00

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**11400**	mg/L	1	5.00

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**32000**	mg/L	1	5.00

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**11100**	mg/L	1	5.00

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	Sample Preparation:	2007-08-29	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**31000**	mg/L	1	5.00

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	41218	Date Analyzed:	2007-09-06	Analyzed By:	JG
Prep Batch:	35615	Sample Preparation:	2007-09-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**12000**	mg/L	1	5.00

Method Blank (1) QC Batch: 40806

QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	QC Preparation:	2007-08-29	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 41218

QC Batch:	41218	Date Analyzed:	2007-09-06	Analyzed By:	JG
Prep Batch:	35615	QC Preparation:	2007-09-06	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Duplicates (1)

QC Batch:	40806	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35254	QC Preparation:	2007-08-29	Prepared By:	JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	11100	11100	mg/L	1	0	20

Duplicates (1)

QC Batch:	41218	Date Analyzed:	2007-09-06	Analyzed By:	JG
Prep Batch:	35615	QC Preparation:	2007-09-06	Prepared By:	MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	10100	12000	mg/L	1	17	20

Standard (ICV-1)

QC Batch: 40806 Date Analyzed: 2007-08-29 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-08-29

Standard (CCV-1)

QC Batch: 40806 Date Analyzed: 2007-08-29 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1010	101	94.4 - 106	2007-08-29

Standard (ICV-1)

QC Batch: 41218 Date Analyzed: 2007-09-06 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	977	98	94.4 - 106	2007-09-06

Standard (CCV-1)

QC Batch: 41218 Date Analyzed: 2007-09-06 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-09-06

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Lot: D7I130305

Liz Givens

Trace Analysis, Inc.
6701 Aberdeen Avenue
Lubbock, TX 79424

Patrick J. McEntee
Project Manager

September 27, 2007

Case Narrative

The results included in this report have been reviewed for compliance with TestAmerica Denver's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the method indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D7I130305

Sample Receiving

TestAmerica Denver received one aqueous sample under chain of custody on September 13, 2007.

The cooler temperature at receipt was acceptable at 1.4°C.

The sample containers were received intact.

A custody seal was not present on the sample cooler.

Method EPA-DW1 314.0, Perchlorate

Sample D7I130305-001 was analyzed at a dilution due to matrix interference. The reporting limit is elevated relative to the dilution required.

MS/MSD analyses were performed on a sample from another client and/or lot and were in control.

EXECUTIVE SUMMARY - Detection Highlights

D7I130305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D7I130305

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Perchlorate	EPA-DW1 314.0	EPA 314.0

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

METHOD / ANALYST SUMMARY

D7I130305

ANALYTICAL METHOD	ANALYST	ANALYST ID
EPA-DW1 314.0	Dave Elkin	000901

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

SAMPLE SUMMARY

D7I130305

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J6RFA	001	135379	09/04/07	13:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Trace Analysis Inc

Client Sample ID: 135379

General Chemistry

Lot-Sample #...: D7I130305-001 **Work Order #...:** J6RFA **Matrix.....:** WATER
Date Sampled...: 09/04/07 13:00 **Date Received..:** 09/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/20/07	7263634

Dilution Factor: 10 Analysis Time..: 16:04 MDL.....: 2.8

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D7I130305

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	EPA-DW1 314.0		7263634	7263340

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7I130305 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		Work Order #: J7A291AA		MB Lot-Sample #:	D7I200000-634	
	ND	1.0	ug/L	EPA-DW1 314.0	09/20/07	7263634
		Dilution Factor: 1				
		Analysis Time..: 11:31				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7I130305 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J7A291AC-LCS/J7A291AD-LCSD			LCS Lot-Sample#: D7I200000-634		
	106	(85 - 115)			EPA-DW1 314.0	09/20/07	7263634
	106	(85 - 115)	0.22	(0-15)	EPA-DW1 314.0	09/20/07	7263634

Dilution Factor: 1 Analysis Time..: 10:49

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7I130305 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J7A291AC-LCS/J7A291AD-LCSD		LCS Lot-Sample#: D7I200000-634				
	10.0	10.6	ug/L	106		EPA-DW1 314.0	09/20/07	7263634
	10.0	10.6	ug/L	106	0.22	EPA-DW1 314.0	09/20/07	7263634

Dilution Factor: 1 Analysis Time..: 10:49

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7I130305 **Matrix.....:** WATER
Date Sampled...: 09/11/07 13:25 **Date Received..:** 09/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#: J6R5Q1AC-MS/J6R5Q1AD-MSD MS Lot-Sample #: D7I130381-027					
	92	(80 - 120)			EPA-DW1 314.0	09/20/07	7263634
	91	(80 - 120)	0.15	(0-15)	EPA-DW1 314.0	09/20/07	7263634
		Dilution Factor: 1					
		Analysis Time..: 13:16					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7I130305 **Matrix.....:** WATER
Date Sampled...: 09/11/07 13:25 **Date Received..:** 09/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate			WO#: J6R5Q1AC-MS/J6R5Q1AD-MSD		MS Lot-Sample #: D7I130381-027				
	300	100	395	ug/L	92		EPA-DW1 314.0	09/20/07	7263634
	300	100	394	ug/L	91	0.15	EPA-DW1 314.0	09/20/07	7263634

Dilution Factor: 1
Analysis Time..: 13:16

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

1.400 9.13.07 RL

LAB Order ID # _____ Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
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200 East Sunset Rd., Suite E
El Paso, Texas 79922
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Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: Phone #:

Address: (Street, City, Zip) Fax #:

Contact Person: E-mail:

Invoice to:
(If different from above)

Project #: Project Name:

Project Location (including state): Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Ammonium Perchlorate 314.0					Turn Around Time if different from standard	Hold
	135379	1		X										9/4/07	13:00																	X						

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Brenda Ward	Trace	9/12/07	2:30			9.13.07	08:30	

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
°C
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # _____

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SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

TestAmerica Denver Lot: D7H310333

Liz Givens

Trace Analysis, Inc.
6701 Aberdeen Avenue
Lubbock, TX 79424

Patrick J. McEntee
Project Manager

September 19, 2007

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

The results included in this report have been reviewed for compliance with TestAmerica Denver's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the method indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D7H310333

Sample Receiving

TestAmerica Denver received five aqueous samples under chain of custody on August 31, 2007.

The cooler temperature at receipt was acceptable at 4.6°C.

The sample containers were received intact.

Holding Times

Analysis was performed within the prescribed holding time.

Method EPA-DW1 314.0, Perchlorate

MS/MSD analyses were performed on a sample from another client and/or lot and was in control.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D7H310333

	PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
134735	**08/27/07 14:02 005**				
	Perchlorate	19 G	10	ug/L	EPA-DW1 314.0

METHODS SUMMARY

D7H310333

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Perchlorate	EPA-DW1 314.0	EPA 314.0

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

METHOD / ANALYST SUMMARY

D7H310333

ANALYTICAL METHOD	ANALYST	ANALYST ID
EPA-DW1 314.0	Dave Elkin	000901

References:

EPA-DW1 "METHODS FOR THE DETERMINATION OF ORGANIC AND INORGANIC COMPOUNDS IN DRINKING WATER," VOLUME 1, EPA 815-R-00-014.

SAMPLE SUMMARY

D7H310333

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J53K8	001	134336	08/23/07	12:00
J53LK	002	134464	08/23/07	12:25
J53LM	003	134733	08/27/07	14:02
J53LQ	004	134734	08/27/07	10:00
J53LV	005	134735	08/27/07	14:02

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Trace Analysis Inc

Client Sample ID: 134336

General Chemistry

Lot-Sample #...: D7H310333-001 **Work Order #...:** J53K8 **Matrix.....:** WATER
Date Sampled...: 08/23/07 12:00 **Date Received..:** 08/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/06/07	7250244

Dilution Factor: 10 Analysis Time..: 22:05 MDL.....: 2.8

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 134464

General Chemistry

Lot-Sample #...: D7H310333-002 **Work Order #...:** J53LK **Matrix.....:** WATER
Date Sampled...: 08/23/07 12:25 **Date Received..:** 08/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/06/07	7250244

Dilution Factor: 10 Analysis Time..: 22:26 MDL.....: 2.8

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 134733

General Chemistry

Lot-Sample #...: D7H310333-003 **Work Order #...:** J53LM **Matrix.....:** WATER
Date Sampled...: 08/27/07 14:02 **Date Received..:** 08/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	20	ug/L	EPA-DW1 314.0	09/06/07	7250244

Dilution Factor: 20 Analysis Time..: 22:47 MDL.....: 5.5

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 134734

General Chemistry

Lot-Sample #...: D7H310333-004 **Work Order #...:** J53LQ **Matrix.....:** WATER
Date Sampled...: 08/27/07 10:00 **Date Received..:** 08/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	ND G	10	ug/L	EPA-DW1 314.0	09/06/07	7250244

Dilution Factor: 10 Analysis Time..: 23:08 MDL.....: 2.8

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Trace Analysis Inc

Client Sample ID: 134735

General Chemistry

Lot-Sample #...: D7H310333-005 **Work Order #...:** J53LV **Matrix.....:** WATER
Date Sampled...: 08/27/07 14:02 **Date Received..:** 08/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate	**19 G**	**10**	**ug/L**	**EPA-DW1 314.0**	**09/06/07**	**7250244**
	Dilution Factor: 10			Analysis Time..: 23:29	MDL.....: 2.8	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D7H310333

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	EPA-DW1 314.0		7250244	7250174
002	WATER	EPA-DW1 314.0		7250244	7250174
003	WATER	EPA-DW1 314.0		7250244	7250174
004	WATER	EPA-DW1 314.0		7250244	7250174
005	WATER	EPA-DW1 314.0		7250244	7250174

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7H310333 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		Work Order #: J6DLK1AA		MB Lot-Sample #:	D7I070000-244	
	ND	1.0	ug/L	EPA-DW1 314.0	09/06/07	7250244
		Dilution Factor: 1				
		Analysis Time..: 19:59				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7H310333 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J6DLK1AC-LCS/J6DLK1AD-LCSD				LCS Lot-Sample#: D7I070000-244	
	98	(85 - 115)			EPA-DW1 314.0	09/06/07	7250244
	99	(85 - 115)	1.4	(0-15)	EPA-DW1 314.0	09/06/07	7250244

Dilution Factor: 1 Analysis Time..: 19:17

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7H310333 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#:J6DLK1AC-LCS/J6DLK1AD-LCSD				LCS Lot-Sample#: D7I070000-244		
	10.0	9.80	ug/L	98		EPA-DW1 314.0	09/06/07	7250244
	10.0	9.95	ug/L	99	1.4	EPA-DW1 314.0	09/06/07	7250244
		Dilution Factor: 1				Analysis Time..: 19:17		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7H310333 **Matrix.....:** WATER
Date Sampled...: 08/30/07 15:45 **Date Received..:** 08/30/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate		WO#: J50PF1AD-MS/J50PF1AE-MSD				MS Lot-Sample #: D7H300325-002	
	99	(80 - 120)			EPA-DW1 314.0	09/06/07	7250244
	98	(80 - 120)	0.42	(0-15)	EPA-DW1 314.0	09/06/07	7250244
		Dilution Factor: 1					
		Analysis Time..: 21:23					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7H310333 **Matrix.....:** WATER
Date Sampled...: 08/30/07 15:45 **Date Received..:** 08/30/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Perchlorate			WO#: J50PF1AD-MS/J50PF1AE-MSD		MS Lot-Sample #: D7H300325-002				
	6.7	10.0	16.6	ug/L	99		EPA-DW1 314.0	09/06/07	7250244
	6.7	10.0	16.5	ug/L	98	0.42	EPA-DW1 314.0	09/06/07	7250244
			Dilution Factor: 1						
			Analysis Time..: 21:23						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

4.6°C
A
8.31.07

LAB Order ID # _____ Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
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1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: _____ **Phone #:** _____

Address: (Street, City, Zip) _____ **Fax #:** _____

Contact Person: Liz Givens **E-mail:** _____

Invoice to: (If different from above) _____

Project #: _____ **Project Name:** _____

Project Location (including state): _____ **Sampler Signature:** _____

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	134336	1	500 mL	X									X	08/30/07	1200
	134464	1		X									X	08/30/07	1225
	134733	1		X									X	08/30/07	1402
	134734	2		X									X	08/30/07	1000
	134735	1		X									X	08/30/07	1402

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Amm. Perchlorate					Turn Around Time if different from standard	Hold
																X	X						
																X	X						
																X	X						
																X	X						
																X	X						

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]		08/30/07	1000	[signature]	TA Denver	8/31/07	0830	

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # _____

ORIGINAL COPY

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TOC	E 415.1

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	40746	Date Analyzed:	2007-09-04	Analyzed By:	AL
Prep Batch:	35230	Sample Preparation:	2007-09-04	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**1.58**		mg/L	1	1.00

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	40596	Date Analyzed:	2007-08-29	Analyzed By:	AL
Prep Batch:	35117	Sample Preparation:	2007-08-28	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		<1.00		mg/L	1	1.00

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	40746	Date Analyzed:	2007-09-04	Analyzed By:	AL
Prep Batch:	35230	Sample Preparation:	2007-09-04	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**5.46**		mg/L	1	1.00

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	40746	Date Analyzed:	2007-09-04	Analyzed By:	AL
Prep Batch:	35230	Sample Preparation:	2007-09-04	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		**1.23**		mg/L	1	1.00

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	40746	Date Analyzed:	2007-09-04	Analyzed By:	AL
Prep Batch:	35230	Sample Preparation:	2007-09-04	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**5.37**	mg/L	1	1.00

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	41084	Date Analyzed:	2007-09-14	Analyzed By:	AL
Prep Batch:	35506	Sample Preparation:	2007-09-14	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		**1.19**	mg/L	1	1.00

Method Blank (1) QC Batch: 40596

QC Batch:	40596	Date Analyzed:	2007-08-29	Analyzed By:	AL
Prep Batch:	35117	QC Preparation:	2007-08-28	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 40746

QC Batch:	40746	Date Analyzed:	2007-09-04	Analyzed By:	AL
Prep Batch:	35230	QC Preparation:	2007-09-04	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 41084

QC Batch:	41084	Date Analyzed:	2007-09-14	Analyzed By:	AL
Prep Batch:	35506	QC Preparation:	2007-09-14	Prepared By:	AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch:	40596	Date Analyzed:	2007-08-29	Analyzed By:	AL
Prep Batch:	35117	QC Preparation:	2007-08-28	Prepared By:	AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.08	mg/L	1	5.00	<0.382	102	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	4.92	mg/L	1	5.00	<0.382	98	70 - 130	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40746 Date Analyzed: 2007-09-04 Analyzed By: AL
Prep Batch: 35230 QC Preparation: 2007-09-04 Prepared By: AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.75	mg/L	1	5.00	<0.382	115	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.52	mg/L	1	5.00	<0.382	110	70 - 130	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41084 Date Analyzed: 2007-09-14 Analyzed By: AL
Prep Batch: 35506 QC Preparation: 2007-09-14 Prepared By: AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.90	mg/L	1	5.00	<0.382	118	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.55	mg/L	1	5.00	<0.382	111	70 - 130	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134654

QC Batch: 40596 Date Analyzed: 2007-08-29 Analyzed By: AL
Prep Batch: 35117 QC Preparation: 2007-08-28 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.79	mg/L	1	5.00	<0.382	116	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	6.41	mg/L	1	5.00	<0.382	128	70 - 130	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134905

QC Batch: 40746 Date Analyzed: 2007-09-04 Analyzed By: AL
Prep Batch: 35230 QC Preparation: 2007-09-04 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon [1]	153	mg/L	1	5.00	172	-380	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon [2]	167	mg/L	1	5.00	172	-100	70 - 130	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135379

QC Batch: 41084 Date Analyzed: 2007-09-14 Analyzed By: AL
Prep Batch: 35506 QC Preparation: 2007-09-14 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	6.39	mg/L	1	5.00	1.19	128	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	7.19	mg/L	1	5.00	1.19	120	70 - 130	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40596 Date Analyzed: 2007-08-29 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.28	106	80 - 120	2007-08-29

Standard (CCV-1)

QC Batch: 40596 Date Analyzed: 2007-08-29 Analyzed By: AL

[1] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.13	103	80 - 120	2007-08-29

Standard (ICV-1)

QC Batch: 40746 Date Analyzed: 2007-09-04 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.58	112	80 - 120	2007-09-04

Standard (CCV-1)

QC Batch: 40746 Date Analyzed: 2007-09-04 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	4.67	93	80 - 120	2007-09-04

Standard (ICV-1)

QC Batch: 41084 Date Analyzed: 2007-09-14 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.99	120	80 - 120	2007-09-14

Standard (CCV-1)

QC Batch: 41084 Date Analyzed: 2007-09-14 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.75	115	80 - 120	2007-09-14

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Total Cyanide	SM 4500-CN C,E

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	40863	Date Analyzed:	2007-09-07	Analyzed By:	MM
Prep Batch:	35328	Sample Preparation:	2007-09-07	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	40737	Date Analyzed:	2007-08-30	Analyzed By:	MM
Prep Batch:	35221	Sample Preparation:	2007-08-29	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	40737	Date Analyzed:	2007-08-30	Analyzed By:	MM
Prep Batch:	35221	Sample Preparation:	2007-08-29	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	40737	Date Analyzed:	2007-08-30	Analyzed By:	MM
Prep Batch:	35221	Sample Preparation:	2007-08-29	Prepared By:	MM

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	40737	Date Analyzed:	2007-08-30	Analyzed By:	MM
Prep Batch:	35221	Sample Preparation:	2007-08-29	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Total Cyanide	Analytical Method:	SM 4500-CN C,E	Prep Method:	N/A
QC Batch:	40864	Date Analyzed:	2007-09-07	Analyzed By:	MM
Prep Batch:	35329	Sample Preparation:	2007-09-07	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cyanide		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 40737

QC Batch:	40737	Date Analyzed:	2007-08-30	Analyzed By:	MM
Prep Batch:	35221	QC Preparation:	2007-08-29	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 40863

QC Batch:	40863	Date Analyzed:	2007-09-07	Analyzed By:	MM
Prep Batch:	35328	QC Preparation:	2007-09-07	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Method Blank (1) QC Batch: 40864

QC Batch:	40864	Date Analyzed:	2007-09-07	Analyzed By:	MM
Prep Batch:	35329	QC Preparation:	2007-09-07	Prepared By:	MM

Parameter	Flag	MDL Result	Units	RL
Total Cyanide		<0.000829	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	40737	Date Analyzed:	2007-08-30	Analyzed By:	MM
Prep Batch:	35221	QC Preparation:	2007-08-29	Prepared By:	MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.131	mg/L	1	0.120	<0.000829	109	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.115	mg/L	1	0.120	<0.000829	96	65.5 - 111	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40863 Date Analyzed: 2007-09-07 Analyzed By: MM
Prep Batch: 35328 QC Preparation: 2007-09-07 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.110	mg/L	1	0.120	<0.000829	92	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.113	mg/L	1	0.120	<0.000829	94	65.5 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40864 Date Analyzed: 2007-09-07 Analyzed By: MM
Prep Batch: 35329 QC Preparation: 2007-09-07 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.120	mg/L	1	0.120	<0.000829	100	65.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.124	mg/L	1	0.120	<0.000829	103	65.5 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40737 Date Analyzed: 2007-08-30 Analyzed By: MM
Prep Batch: 35221 QC Preparation: 2007-08-29 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.110	mg/L	1	0.120	<0.000829	92	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.0930	mg/L	1	0.120	<0.000829	78	46.6 - 132	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134972

QC Batch: 40863 Date Analyzed: 2007-09-07 Analyzed By: MM
Prep Batch: 35328 QC Preparation: 2007-09-07 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.120	mg/L	1	0.120	<0.000829	100	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide [1]	0.0520	mg/L	1	0.120	<0.000829	43	46.6 - 132	79	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135379

QC Batch: 40864 Date Analyzed: 2007-09-07 Analyzed By: MM
Prep Batch: 35329 QC Preparation: 2007-09-07 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cyanide	0.114	mg/L	1	0.120	<0.000829	95	46.6 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cyanide	0.116	mg/L	1	0.120	<0.000829	97	46.6 - 132	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40737 Date Analyzed: 2007-08-30 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.116	97	85 - 115	2007-08-30

Standard (CCV-1)

QC Batch: 40737 Date Analyzed: 2007-08-30 Analyzed By: MM

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.127	106	85 - 115	2007-08-30

Standard (ICV-1)

QC Batch: 40863 Date Analyzed: 2007-09-07 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.121	101	85 - 115	2007-09-07

Standard (CCV-1)

QC Batch: 40863 Date Analyzed: 2007-09-07 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.117	98	85 - 115	2007-09-07

Standard (ICV-1)

QC Batch: 40864 Date Analyzed: 2007-09-07 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.117	98	85 - 115	2007-09-07

Standard (CCV-1)

QC Batch: 40864 Date Analyzed: 2007-09-07 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cyanide		mg/L	0.120	0.115	96	85 - 115	2007-09-07

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 85 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Be, Total	S 6010B
Cd, Total	S 6010B
Co, Total	S 6010B
Cr, Total	S 6010B
Cu, Total	S 6010B
Hg, Total	S 7470A
Ni, Total	S 6010B
Pb, Total	S 6010B
Sb, Total	S 6010B
Se, Total	S 6010B
Sn, Total	S 6010B
Tl, Total	S 6010B
V, Total	S 6010B
Zn, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0170**	mg/L	1	0.0100

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	40778	Date Analyzed:	2007-09-05	Analyzed By:	TP
Prep Batch:	35251	Sample Preparation:	2007-09-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0200	mg/L	1	0.0200

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0230**	mg/L	1	0.00500

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**0.0170**	mg/L	1	0.0100

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	40778	Date Analyzed:	2007-09-05	Analyzed By:	TP
Prep Batch:	35251	Sample Preparation:	2007-09-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40552	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40552	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Thallium		<0.0500		mg/L	1	0.0500

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40552	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	Sample Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500
Total Arsenic		<0.00500		mg/L	1	0.00500
Total Barium		**0.0150**		mg/L	1	0.0100
Total Beryllium		<0.00250		mg/L	1	0.00250
Total Cadmium		<0.00200		mg/L	1	0.00200
Total Cobalt		<0.00500		mg/L	1	0.00500
Total Chromium		**0.0180**		mg/L	1	0.00500
Total Copper		<0.00500		mg/L	1	0.00500
Total Nickel		<0.00500		mg/L	1	0.00500
Total Lead		<0.0100		mg/L	1	0.0100
Total Selenium		<0.0200		mg/L	1	0.0200
Total Tin		<0.0250		mg/L	1	0.0250
Total Vanadium		**0.00900**		mg/L	1	0.00500
Total Zinc		**0.0110**		mg/L	1	0.0100

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		<0.0100	mg/L	1	0.0100

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.629**	mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	40778	Date Analyzed:	2007-09-05	Analyzed By:	TP
Prep Batch:	35251	Sample Preparation:	2007-09-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.488**	mg/L	1	0.0200

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0260**	mg/L	1	0.00500

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		<0.0100		mg/L	1	0.0100

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Arsenic		<0.00500		mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Barium		**0.0110**		mg/L	1	0.0100

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Beryllium		<0.00250		mg/L	1	0.00250

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Cadmium		<0.00200		mg/L	1	0.00200

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Cobalt		<0.00500		mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Chromium		<0.00500		mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Copper		<0.00500		mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	40778	Date Analyzed:	2007-09-05	Analyzed By:	TP
Prep Batch:	35251	Sample Preparation:	2007-09-05	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Mercury		<0.000200		mg/L	1	0.000200

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0200	mg/L	1	0.0200

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0210**	mg/L	1	0.00500

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		<0.0100	mg/L	1	0.0100

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**0.702**	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	40778	Date Analyzed:	2007-09-05	Analyzed By:	TP
Prep Batch:	35251	Sample Preparation:	2007-09-05	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		**0.486**	mg/L	1	0.0200

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Vanadium		**0.0270**	mg/L	1	0.00500

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	Sample Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		<0.0100	mg/L	1	0.0100

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.00500	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		<0.0100	mg/L	1	0.0100

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Beryllium		<0.00250	mg/L	1	0.00250

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00200	mg/L	1	0.00200

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cobalt		<0.00500	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	41081	Date Analyzed:	2007-09-14	Analyzed By:	TP
Prep Batch:	35487	Sample Preparation:	2007-09-13	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.0100	mg/L	1	0.0100

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Antimony		<0.0500	mg/L	1	0.0500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Selenium		<0.0200	mg/L	1	0.0200

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Sn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Tin		<0.0250	mg/L	1	0.0250

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Tl, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Thallium		<0.0500	mg/L	1	0.0500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	V, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Vanadium		**0.0260**	mg/L	1	0.00500

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	40842	Date Analyzed:	2007-09-07	Analyzed By:	RR
Prep Batch:	35299	Sample Preparation:	2007-09-07	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**0.0240**	mg/L	1	0.0100

Method Blank (1) QC Batch: 40549

QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 40549

QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 40549

QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 40549

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 40549

QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 40549

QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 40549

QC Batch:	40549	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 40552

QC Batch:	40552	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 40552

QC Batch:	40552	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 40552

QC Batch:	40552	Date Analyzed:	2007-08-28	Analyzed By:	RR
Prep Batch:	35053	QC Preparation:	2007-08-28	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005
Total Arsenic		<0.00430	mg/L	0.01
Total Barium		<0.00170	mg/L	0.01
Total Beryllium		<0.00220	mg/L	0.0025
Total Cadmium		<0.00140	mg/L	0.002
Total Cobalt		<0.00220	mg/L	0.005
Total Chromium		<0.000900	mg/L	0.005
Total Copper		<0.00140	mg/L	0.005
Total Nickel		<0.00190	mg/L	0.005
Total Lead		<0.00740	mg/L	0.01
Total Selenium		<0.0131	mg/L	0.02
Total Tin		<0.0124	mg/L	0.025
Total Vanadium		<0.00150	mg/L	0.005
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 40650

QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	QC Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 40650

QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	QC Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 40650

QC Batch:	40650	Date Analyzed:	2007-08-30	Analyzed By:	RR
Prep Batch:	35141	QC Preparation:	2007-08-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 40650

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 40778

QC Batch: 40778 Date Analyzed: 2007-09-05 Analyzed By: TP
Prep Batch: 35251 QC Preparation: 2007-09-05 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.01

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.01

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.0025

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.002

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.005

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.005

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00740	mg/L	0.01

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.05

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.02

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Tin		<0.0124	mg/L	0.025

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.05

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Vanadium		<0.00150	mg/L	0.005

Method Blank (1) QC Batch: 40842

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.01

Method Blank (1) QC Batch: 41081

QC Batch: 41081 Date Analyzed: 2007-09-14 Analyzed By: TP
Prep Batch: 35487 QC Preparation: 2007-09-13 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.132	mg/L	1	0.125	<0.00210	106	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.132	mg/L	1	0.125	<0.00210	106	87.2 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.514	mg/L	1	0.500	<0.00430	103	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.521	mg/L	1	0.500	<0.00430	104	81.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.04	mg/L	1	1.00	<0.00170	104	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.04	mg/L	1	1.00	<0.00170	104	88.7 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.266	mg/L	1	0.250	<0.00140	106	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.267	mg/L	1	0.250	<0.00140	107	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.267	mg/L	1	0.250	<0.00220	107	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.266	mg/L	1	0.250	<0.00220	106	91 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.110	mg/L	1	0.100	<0.000900	110	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.110	mg/L	1	0.100	<0.000900	110	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.133	mg/L	1	0.125	<0.00140	106	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.268	mg/L	1	0.250	<0.00190	107	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.269	mg/L	1	0.250	<0.00190	108	86.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.505	mg/L	1	0.500	<0.00740	101	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.507	mg/L	1	0.500	<0.00740	101	88 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.250	mg/L	1	0.250	<0.0166	100	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.248	mg/L	1	0.250	<0.0166	99	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.443	mg/L	1	0.500	<0.0131	89	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.455	mg/L	1	0.500	<0.0131	91	70.2 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.326	mg/L	1	0.300	<0.0124	109	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.327	mg/L	1	0.300	<0.0124	109	77.9 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.532	mg/L	1	0.500	<0.0189	106	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.544	mg/L	1	0.500	<0.0189	109	81.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.253	mg/L	1	0.250	<0.00150	101	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.249	mg/L	1	0.250	<0.00150	100	85.9 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.253	mg/L	1	0.250	<0.00710	101	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.254	mg/L	1	0.250	<0.00710	102	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.250	mg/L	1	0.250	<0.0166	100	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.248	mg/L	1	0.250	<0.0166	99	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.532	mg/L	1	0.500	<0.0189	106	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.544	mg/L	1	0.500	<0.0189	109	81.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.132	mg/L	1	0.125	<0.00210	106	87.2 - 108
Total Arsenic	0.514	mg/L	1	0.500	<0.00430	103	81.9 - 110
Total Barium	1.04	mg/L	1	1.00	<0.00170	104	88.7 - 111
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117
Total Cadmium	0.266	mg/L	1	0.250	<0.00140	106	83.4 - 111
Total Cobalt	0.267	mg/L	1	0.250	<0.00220	107	91 - 108

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.110	mg/L	1	0.100	<0.000900	110	86.5 - 115
Total Copper	0.133	mg/L	1	0.125	<0.00140	106	91.2 - 109
Total Nickel	0.268	mg/L	1	0.250	<0.00190	107	86.1 - 111
Total Lead	0.505	mg/L	1	0.500	<0.00740	101	88 - 108
Total Selenium	0.443	mg/L	1	0.500	<0.0131	89	70.2 - 111
Total Tin	0.326	mg/L	1	0.300	<0.0124	109	77.9 - 117
Total Vanadium	0.253	mg/L	1	0.250	<0.00150	101	85.9 - 110
Total Zinc	0.253	mg/L	1	0.250	<0.00710	101	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.132	mg/L	1	0.125	<0.00210	106	87.2 - 108	0	20
Total Arsenic	0.521	mg/L	1	0.500	<0.00430	104	81.9 - 110	1	20
Total Barium	1.04	mg/L	1	1.00	<0.00170	104	88.7 - 111	0	20
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	78.1 - 117	0	20
Total Cadmium	0.267	mg/L	1	0.250	<0.00140	107	83.4 - 111	0	20
Total Cobalt	0.266	mg/L	1	0.250	<0.00220	106	91 - 108	0	20
Total Chromium	0.110	mg/L	1	0.100	<0.000900	110	86.5 - 115	0	20
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	91.2 - 109	1	20
Total Nickel	0.269	mg/L	1	0.250	<0.00190	108	86.1 - 111	0	20
Total Lead	0.507	mg/L	1	0.500	<0.00740	101	88 - 108	0	20
Total Selenium	0.455	mg/L	1	0.500	<0.0131	91	70.2 - 111	3	20
Total Tin	0.327	mg/L	1	0.300	<0.0124	109	77.9 - 117	0	20
Total Vanadium	0.249	mg/L	1	0.250	<0.00150	100	85.9 - 110	2	20
Total Zinc	0.254	mg/L	1	0.250	<0.00710	102	82.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.127	mg/L	1	0.125	<0.00210	102	87.2 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.482	mg/L	1	0.500	<0.00430	96	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.488	mg/L	1	0.500	<0.00430	98	81.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.00	mg/L	1	1.00	<0.00170	100	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.241	mg/L	1	0.250	<0.00140	96	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.244	mg/L	1	0.250	<0.00140	98	83.4 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.255	mg/L	1	0.250	<0.00220	102	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.258	mg/L	1	0.250	<0.00220	103	91 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.103	mg/L	1	0.100	<0.000900	103	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	86.5 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.125	mg/L	1	0.125	<0.00140	100	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.127	mg/L	1	0.125	<0.00140	102	91.2 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.256	mg/L	1	0.250	<0.00190	102	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.259	mg/L	1	0.250	<0.00190	104	86.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.506	mg/L	1	0.500	<0.00740	101	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.513	mg/L	1	0.500	<0.00740	103	88 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.240	mg/L	1	0.250	<0.0166	96	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.243	mg/L	1	0.250	<0.0166	97	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.422	mg/L	1	0.500	<0.0131	84	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.424	mg/L	1	0.500	<0.0131	85	70.2 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.294	mg/L	1	0.300	<0.0124	98	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.300	mg/L	1	0.300	<0.0124	100	77.9 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.486	mg/L	1	0.500	<0.0189	97	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.506	mg/L	1	0.500	<0.0189	101	81.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.239	mg/L	1	0.250	<0.00150	96	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.247	mg/L	1	0.250	<0.00150	99	85.9 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.241	mg/L	1	0.250	<0.00710	96	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.245	mg/L	1	0.250	<0.00710	98	82.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40778 Date Analyzed: 2007-09-05 Analyzed By: TP
Prep Batch: 35251 QC Preparation: 2007-09-05 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000940	mg/L	1	0.00100	<0.0000336	94	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000336	95	85.8 - 107.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.128	mg/L	1	0.125	<0.00210	102	87.2 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.128	mg/L	1	0.125	<0.00210	102	87.2 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.519	mg/L	1	0.500	<0.00430	104	81.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.521	mg/L	1	0.500	<0.00430	104	81.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.03	mg/L	1	1.00	<0.00170	103	88.7 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0260	mg/L	1	0.0250	<0.00220	104	78.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.254	mg/L	1	0.250	<0.00140	102	83.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.253	mg/L	1	0.250	<0.00140	101	83.4 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.252	mg/L	1	0.250	<0.00220	101	91 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.254	mg/L	1	0.250	<0.00220	102	91 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.127	mg/L	1	0.125	<0.00140	102	91.2 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.128	mg/L	1	0.125	<0.00140	102	91.2 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.253	mg/L	1	0.250	<0.00190	101	86.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.256	mg/L	1	0.250	<0.00190	102	86.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.505	mg/L	1	0.500	<0.00740	101	88 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.509	mg/L	1	0.500	<0.00740	102	88 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.254	mg/L	1	0.250	<0.0166	102	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.251	mg/L	1	0.250	<0.0166	100	79.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.470	mg/L	1	0.500	<0.0131	94	70.2 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.477	mg/L	1	0.500	<0.0131	95	70.2 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.291	mg/L	1	0.300	<0.0124	97	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.294	mg/L	1	0.300	<0.0124	98	77.9 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.510	mg/L	1	0.500	<0.0189	102	81.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.522	mg/L	1	0.500	<0.0189	104	81.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.258	mg/L	1	0.250	<0.00150	103	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.256	mg/L	1	0.250	<0.00150	102	85.9 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.250	mg/L	1	0.250	<0.00710	100	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.253	mg/L	1	0.250	<0.00710	101	82.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 41081 Date Analyzed: 2007-09-14 Analyzed By: TP
Prep Batch: 35487 QC Preparation: 2007-09-13 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	85.8 - 107.3	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

continued . . .

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver [1]	0.132	mg/L	1	0.125	<0.00210	106	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver [2]	0.135	mg/L	1	0.125	<0.00210	108	80.5 - 104	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.534	mg/L	1	0.500	<0.00440	107	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.542	mg/L	1	0.500	<0.00440	108	67.6 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.11	mg/L	1	1.00	0.1	101	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.15	mg/L	1	1.00	0.1	105	61.9 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

[1] Recovery within method limits but outside control chart limits. •
[2] Recovery within method limits but outside control chart limits. •

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0245	mg/L	1	0.0250	<0.00220	98	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	76.5 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.259	mg/L	1	0.250	<0.00140	104	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.267	mg/L	1	0.250	<0.00140	107	72.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.257	mg/L	1	0.250	<0.00220	103	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.264	mg/L	1	0.250	<0.00220	106	71 - 112	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.107	mg/L	1	0.100	<0.000900	107	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.109	mg/L	1	0.100	<0.000900	109	66.2 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper [3]	0.136	mg/L	1	0.125	<0.00140	109	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.133	mg/L	1	0.125	<0.00140	106	84.1 - 108	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.255	mg/L	1	0.250	<0.00190	102	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.244	mg/L	1	0.250	<0.00190	98	56.1 - 119	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.504	mg/L	1	0.500	<0.00740	101	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

[3] Recovery within method limits but outside control chart limits. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.514	mg/L	1	0.500	<0.00740	103	74.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.251	mg/L	1	0.250	<0.0166	100	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.250	mg/L	1	0.250	<0.0166	100	71.3 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.464	mg/L	1	0.500	<0.0131	93	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.477	mg/L	1	0.500	<0.0131	95	64.3 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.319	mg/L	1	0.300	<0.0124	106	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.326	mg/L	1	0.300	<0.0124	109	70.1 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.501	mg/L	1	0.500	<0.0189	100	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.524	mg/L	1	0.500	<0.0189	105	66 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.247	mg/L	1	0.250	<0.00150	99	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.253	mg/L	1	0.250	<0.00150	101	74.1 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134059

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.244	mg/L	1	0.250	<0.00710	98	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.243	mg/L	1	0.250	<0.00710	97	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134464

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.245	mg/L	1	0.250	<0.0166	98	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.241	mg/L	1	0.250	<0.0166	96	71.3 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134464

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.468	mg/L	1	0.500	<0.0189	94	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.440	mg/L	1	0.500	<0.0189	88	66 - 121	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134464

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR
Prep Batch: 35053 QC Preparation: 2007-08-28 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.128	mg/L	1	0.125	<0.00210	102	80.5 - 104
Total Arsenic	0.492	mg/L	1	0.500	<0.00440	98	67.6 - 116
Total Barium	1.08	mg/L	1	1.00	0.015	106	61.9 - 120
Total Beryllium	0.0250	mg/L	1	0.0250	<0.00220	100	76.5 - 118
Total Cadmium	0.250	mg/L	1	0.250	<0.00140	100	72.9 - 109
Total Cobalt	0.263	mg/L	1	0.250	<0.00220	105	71 - 112
Total Chromium	0.121	mg/L	1	0.100	0.018	103	66.2 - 121
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	84.1 - 108
Total Nickel	0.243	mg/L	1	0.250	<0.00190	97	56.1 - 119
Total Lead	0.520	mg/L	1	0.500	<0.00740	104	74.1 - 111
Total Selenium	0.512	mg/L	1	0.500	<0.0131	102	64.3 - 111
Total Tin	0.319	mg/L	1	0.300	<0.0124	106	70.1 - 117

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.251	mg/L	1	0.250	0.009	97	74.1 - 110
Total Zinc	0.261	mg/L	1	0.250	0.011	100	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	[4]	0.131	mg/L	1	0.125	<0.00210	105	80.5 - 104	2	20
Total Arsenic		0.520	mg/L	1	0.500	<0.00440	104	67.6 - 116	6	20
Total Barium		1.00	mg/L	1	1.00	0.015	98	61.9 - 120	8	20
Total Beryllium		0.0252	mg/L	1	0.0250	<0.00220	101	76.5 - 118	1	20
Total Cadmium		0.238	mg/L	1	0.250	<0.00140	95	72.9 - 109	5	20
Total Cobalt		0.246	mg/L	1	0.250	<0.00220	98	71 - 112	7	20
Total Chromium		0.116	mg/L	1	0.100	0.018	98	66.2 - 121	4	20
Total Copper	[5]	0.137	mg/L	1	0.125	<0.00140	110	84.1 - 108	4	20
Total Nickel		0.245	mg/L	1	0.250	<0.00190	98	56.1 - 119	1	20
Total Lead		0.486	mg/L	1	0.500	<0.00740	97	74.1 - 111	7	20
Total Selenium		0.519	mg/L	1	0.500	<0.0131	104	64.3 - 111	1	20
Total Tin		0.302	mg/L	1	0.300	<0.0124	101	70.1 - 117	6	20
Total Vanadium		0.247	mg/L	1	0.250	0.009	95	74.1 - 110	2	20
Total Zinc		0.262	mg/L	1	0.250	0.011	100	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.117	mg/L	1	0.125	<0.00210	94	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.122	mg/L	1	0.125	<0.00210	98	80.5 - 104	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.430	mg/L	1	0.500	<0.00440	86	67.6 - 116

[4]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[5]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.450	mg/L	1	0.500	<0.00440	90	67.6 - 116	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.927	mg/L	1	1.00	0.011	92	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.891	mg/L	1	1.00	0.011	88	61.9 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	76.5 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.224	mg/L	1	0.250	<0.00140	90	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.223	mg/L	1	0.250	<0.00140	89	72.9 - 109	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.236	mg/L	1	0.250	<0.00220	94	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.224	mg/L	1	0.250	<0.00220	90	71 - 112	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0910	mg/L	1	0.100	<0.000900	91	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0950	mg/L	1	0.100	<0.000900	95	66.2 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.116	mg/L	1	0.125	<0.00140	93	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.119	mg/L	1	0.125	<0.00140	95	84.1 - 108	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.223	mg/L	1	0.250	<0.00190	89	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.223	mg/L	1	0.250	<0.00190	89	56.1 - 119	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.484	mg/L	1	0.500	<0.00740	97	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.496	mg/L	1	0.500	<0.00740	99	74.1 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.233	mg/L	1	0.250	<0.0166	93	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.234	mg/L	1	0.250	<0.0166	94	71.3 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.412	mg/L	1	0.500	<0.0131	82	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.426	mg/L	1	0.500	<0.0131	85	64.3 - 111	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.289	mg/L	1	0.300	<0.0124	96	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.281	mg/L	1	0.300	<0.0124	94	70.1 - 117	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.443	mg/L	1	0.500	<0.0189	89	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.461	mg/L	1	0.500	<0.0189	92	66 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.227	mg/L	1	0.250	0.021	82	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.223	mg/L	1	0.250	0.021	81	74.1 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR
Prep Batch: 35141 QC Preparation: 2007-08-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.222	mg/L	1	0.250	<0.00710	89	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.222	mg/L	1	0.250	<0.00710	89	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40778 Date Analyzed: 2007-09-05 Analyzed By: TP
Prep Batch: 35251 QC Preparation: 2007-09-05 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000910	mg/L	1	0.00100	<0.0000336	91	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000900	mg/L	1	0.00100	<0.0000336	90	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.128	mg/L	1	0.125	<0.00210	102	80.5 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.129	mg/L	1	0.125	<0.00210	103	80.5 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.521	mg/L	1	0.500	<0.00440	104	67.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.525	mg/L	1	0.500	<0.00440	105	67.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.01	mg/L	1	1.00	<0.00170	101	61.9 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	61.9 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0258	mg/L	1	0.0250	<0.00220	103	76.5 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Beryllium	0.0259	mg/L	1	0.0250	<0.00220	104	76.5 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.251	mg/L	1	0.250	<0.00140	100	72.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.253	mg/L	1	0.250	<0.00140	101	72.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.249	mg/L	1	0.250	<0.00220	100	71 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cobalt	0.251	mg/L	1	0.250	<0.00220	100	71 - 112	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	66.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	66.2 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.132	mg/L	1	0.125	<0.00140	106	84.1 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.133	mg/L	1	0.125	<0.00140	106	84.1 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.249	mg/L	1	0.250	<0.00190	100	56.1 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Nickel	0.255	mg/L	1	0.250	<0.00190	102	56.1 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.502	mg/L	1	0.500	<0.00740	100	74.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.503	mg/L	1	0.500	<0.00740	101	74.1 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.254	mg/L	1	0.250	<0.0166	102	71.3 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Antimony	0.246	mg/L	1	0.250	<0.0166	98	71.3 - 118	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.448	mg/L	1	0.500	<0.0131	90	64.3 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.452	mg/L	1	0.500	<0.0131	90	64.3 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Tin	0.305	mg/L	1	0.300	<0.0124	102	70.1 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.306	mg/L	1	0.300	<0.0124	102	70.1 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR
Prep Batch: 35299 QC Preparation: 2007-09-07 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.510	mg/L	1	0.500	<0.0189	102	66 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.468	mg/L	1	0.500	<0.0189	94	66 - 121	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 | Date Analyzed: 2007-09-07 | Analyzed By: RR
Prep Batch: 35299 | QC Preparation: 2007-09-07 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Vanadium	0.255	mg/L	1	0.250	<0.00150	102	74.1 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Vanadium	0.258	mg/L	1	0.250	<0.00150	103	74.1 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 135069

QC Batch: 40842 | Date Analyzed: 2007-09-07 | Analyzed By: RR
Prep Batch: 35299 | QC Preparation: 2007-09-07 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.238	mg/L	1	0.250	<0.00710	95	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.240	mg/L	1	0.250	<0.00710	96	75.5 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 136159

QC Batch: 41081 | Date Analyzed: 2007-09-14 | Analyzed By: TP
Prep Batch: 35487 | QC Preparation: 2007-09-13 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000920	mg/L	1	0.00100	<0.0000336	92	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000930	mg/L	1	0.00100	<0.0000336	93	77.5 - 108.9	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40549 | Date Analyzed: 2007-08-28 | Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.131	105	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.07	107	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.05	105	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.05	105	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.09	109	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.07	107	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.09	109	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.08	108	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.05	105	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.131	105	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.05	105	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.08	108	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.04	104	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.07	107	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.04	104	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.05	105	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.04	104	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40549 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.03	103	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.08	108	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.131	105	90 - 110	2007-08-28
Total Arsenic		mg/L	1.00	1.07	107	90 - 110	2007-08-28
Total Barium		mg/L	1.00	1.05	105	90 - 110	2007-08-28
Total Beryllium		mg/L	1.00	1.05	105	90 - 110	2007-08-28
Total Cadmium		mg/L	1.00	1.09	109	90 - 110	2007-08-28
Total Cobalt		mg/L	1.00	1.06	106	90 - 110	2007-08-28
Total Chromium		mg/L	1.00	1.06	106	90 - 110	2007-08-28
Total Copper		mg/L	1.00	1.03	103	90 - 110	2007-08-28
Total Nickel		mg/L	1.00	1.07	107	90 - 110	2007-08-28
Total Lead		mg/L	1.00	1.03	103	90 - 110	2007-08-28
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2007-08-28
Total Tin		mg/L	1.00	1.09	109	90 - 110	2007-08-28
Total Vanadium		mg/L	1.00	1.05	105	90 - 110	2007-08-28
Total Zinc		mg/L	1.00	1.06	106	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.986	99	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2007-08-28

Standard (CCV-1)

QC Batch: 40552 Date Analyzed: 2007-08-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2007-08-28
Total Arsenic		mg/L	1.00	0.982	98	90 - 110	2007-08-28
Total Barium		mg/L	1.00	0.998	100	90 - 110	2007-08-28
Total Beryllium		mg/L	1.00	0.989	99	90 - 110	2007-08-28
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-08-28
Total Cobalt		mg/L	1.00	0.986	99	90 - 110	2007-08-28
Total Chromium		mg/L	1.00	1.00	100	90 - 110	2007-08-28
Total Copper		mg/L	1.00	0.995	100	90 - 110	2007-08-28
Total Nickel		mg/L	1.00	0.987	99	90 - 110	2007-08-28
Total Lead		mg/L	1.00	1.03	103	90 - 110	2007-08-28
Total Selenium		mg/L	1.00	0.991	99	90 - 110	2007-08-28
Total Tin		mg/L	1.00	1.01	101	90 - 110	2007-08-28
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-08-28
Total Zinc		mg/L	1.00	0.989	99	90 - 110	2007-08-28

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.993	99	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.998	100	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	0.996	100	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.03	103	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.996	100	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.989	99	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.998	100	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.135	108	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.03	103	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.05	105	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.986	99	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.03	103	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.02	102	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (CCV-1)

QC Batch: 40650 Date Analyzed: 2007-08-30 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2007-08-30

Standard (ICV-1)

QC Batch: 40778 Date Analyzed: 2007-09-05 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2007-09-05

Standard (CCV-1)

QC Batch: 40778 Date Analyzed: 2007-09-05 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2007-09-05

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.01	101	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.01	101	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.01	101	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.03	103	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.03	103	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.01	101	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.04	104	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.01	101	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	1.01	101	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Tin		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Vanadium		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (CCV-1)

QC Batch: 40842 Date Analyzed: 2007-09-07 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2007-09-07

Standard (ICV-1)

QC Batch: 41081 Date Analyzed: 2007-09-14 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	80 - 120	2007-09-14

Standard (CCV-1)

QC Batch: 41081 Date Analyzed: 2007-09-14 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00107	107	80 - 120	2007-09-14

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TPH DRO	Mod. 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	40501	Date Analyzed:	2007-08-27	Analyzed By:	RM
Prep Batch:	35036	Sample Preparation:	2007-08-27	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.5	mg/L	1	15.0	130	40.7 - 174

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	40501	Date Analyzed:	2007-08-27	Analyzed By:	RM
Prep Batch:	35036	Sample Preparation:	2007-08-27	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.4	mg/L	1	15.0	129	40.7 - 174

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	40618	Date Analyzed:	2007-08-29	Analyzed By:	RM
Prep Batch:	35128	Sample Preparation:	2007-08-29	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.0	mg/L	1	15.0	127	40.7 - 174

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	40618	Date Analyzed:	2007-08-29	Analyzed By:	RM
Prep Batch:	35128	Sample Preparation:	2007-08-29	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.2	mg/L	1	15.0	121	40.7 - 174

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	40618	Date Analyzed:	2007-08-29	Analyzed By:	RM
Prep Batch:	35128	Sample Preparation:	2007-08-29	Prepared By:	RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		16.8	mg/L	1	15.0	112	40.7 - 174

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	40865	Date Analyzed:	2007-09-07	Analyzed By:	TG
Prep Batch:	35330	Sample Preparation:	2007-09-07	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		17.6	mg/L	1	15.0	117	40.7 - 174

Method Blank (1) QC Batch: 40501

QC Batch:	40501	Date Analyzed:	2007-08-27	Analyzed By:	RM
Prep Batch:	35036	QC Preparation:	2007-08-27	Prepared By:	RM

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.2	mg/L	1	15.0	121	40.7 - 174

Method Blank (1) QC Batch: 40618

QC Batch: 40618 Date Analyzed: 2007-08-29 Analyzed By: RM
Prep Batch: 35128 QC Preparation: 2007-08-29 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.9	mg/L	1	15.0	139	40.7 - 174

Method Blank (1) QC Batch: 40865

QC Batch: 40865 Date Analyzed: 2007-09-07 Analyzed By: TG
Prep Batch: 35330 QC Preparation: 2007-09-07 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.1	mg/L	1	15.0	121	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 40501 Date Analyzed: 2007-08-27 Analyzed By: RM
Prep Batch: 35036 QC Preparation: 2007-08-27 Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	28.6	mg/L	1	25.0	<1.06	114	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	27.8	mg/L	1	25.0	<1.06	111	56.9 - 128	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	17.6	17.7	mg/L	1	15.0	117	118	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 40618 Date Analyzed: 2007-08-29 Analyzed By: RM
Prep Batch: 35128 QC Preparation: 2007-08-29 Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	22.9	mg/L	1	25.0	<1.06	92	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	24.0	mg/L	1	25.0	<1.06	96	56.9 - 128	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.3	19.2	mg/L	1	15.0	129	128	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 40865 Date Analyzed: 2007-09-07 Analyzed By: TG
Prep Batch: 35330 QC Preparation: 2007-09-07 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	23.1	mg/L	1	25.0	<1.06	92	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	23.3	mg/L	1	25.0	<1.06	93	56.9 - 128	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.8	19.4	mg/L	1	15.0	132	129	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 134464

QC Batch: 40501 Date Analyzed: 2007-08-27 Analyzed By: RM
Prep Batch: 35036 QC Preparation: 2007-08-27 Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	20.3	mg/L	1	25.0	<1.06	81	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	21.4	mg/L	1	25.0	<1.06	86	61.9 - 112.2	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	18.3	19.4	mg/L	1	15	122	129	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40618 Date Analyzed: 2007-08-29 Analyzed By: RM
Prep Batch: 35128 QC Preparation: 2007-08-29 Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	20.3	mg/L	1	25.0	<1.06	81	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	20.7	mg/L	1	25.0	<1.06	83	61.9 - 112.2	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	16.9	19.3	mg/L	1	15	113	129	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 135379

QC Batch: 40865 Date Analyzed: 2007-09-07 Analyzed By: TG
Prep Batch: 35330 QC Preparation: 2007-09-07 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	21.1	mg/L	1	25.0	<1.06	84	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	20.7	mg/L	1	25.0	<1.06	83	61.9 - 112.2	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	17.6	18.0	mg/L	1	15	117	120	40.7 - 174

Standard (ICV-1)

QC Batch: 40501 Date Analyzed: 2007-08-27 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	283	113	85 - 115	2007-08-27

Standard (CCV-1)

QC Batch: 40501 Date Analyzed: 2007-08-27 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	267	107	85 - 115	2007-08-27

Standard (ICV-1)

QC Batch: 40618 Date Analyzed: 2007-08-29 Analyzed By: RM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	237	95	85 - 115	2007-08-29

Standard (CCV-1)

QC Batch: 40618 Date Analyzed: 2007-08-29 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	242	97	85 - 115	2007-08-29

Standard (ICV-1)

QC Batch: 40865 Date Analyzed: 2007-09-07 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	241	96	85 - 115	2007-09-07

Standard (CCV-1)

QC Batch: 40865 Date Analyzed: 2007-09-07 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	227	91	85 - 115	2007-09-07

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	40567	Date Analyzed:	2007-08-28	Analyzed By:	MT
Prep Batch:	35090	Sample Preparation:	2007-08-28	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<0.100		mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0714	mg/L	1	0.100	71	54.2 - 118

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	40567	Date Analyzed:	2007-08-28	Analyzed By:	MT
Prep Batch:	35090	Sample Preparation:	2007-08-28	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<0.100		mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0698	mg/L	1	0.100	70	54.2 - 118

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	40602	Date Analyzed:	2007-08-29	Analyzed By:	MT
Prep Batch:	35119	Sample Preparation:	2007-08-29	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<0.100		mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0931	mg/L	1	0.100	93	71 - 110

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	40602	Date Analyzed:	2007-08-29	Analyzed By:	MT
Prep Batch:	35119	Sample Preparation:	2007-08-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	72.8 - 107
4-Bromofluorobenzene (4-BFB)		0.0976	mg/L	1	0.100	98	71 - 110

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	40659	Date Analyzed:	2007-08-30	Analyzed By:	KB
Prep Batch:	35168	Sample Preparation:	2007-08-30	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0732	mg/L	1	0.100	73	63.4 - 136
4-Bromofluorobenzene (4-BFB)	[1]	0.0463	mg/L	1	0.100	46	54.2 - 118

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	40822	Date Analyzed:	2007-09-06	Analyzed By:	MT
Prep Batch:	35289	Sample Preparation:	2007-09-06	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.114	mg/L	1	0.100	114	63.4 - 136
4-Bromofluorobenzene (4-BFB)		0.0830	mg/L	1	0.100	83	54.2 - 118

Method Blank (1) QC Batch: 40567

QC Batch:	40567	Date Analyzed:	2007-08-28	Analyzed By:	MT
Prep Batch:	35090	QC Preparation:	2007-08-28	Prepared By:	MT

[1] Surrogate BFB out due to matrix interference. Sample was reran on 8/30/07 to confirm matrix interference results.

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0353	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	80.9 - 124
4-Bromofluorobenzene (4-BFB)		0.0705	mg/L	1	0.100	70	55.4 - 120

Method Blank (1) QC Batch: 40602

QC Batch: 40602 Date Analyzed: 2007-08-29 Analyzed By: MT
Prep Batch: 35119 QC Preparation: 2007-08-29 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0104	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0987	mg/L	1	0.100	99	68 - 117
4-Bromofluorobenzene (4-BFB)		0.0908	mg/L	1	0.100	91	75.8 - 110

Method Blank (1) QC Batch: 40659

QC Batch: 40659 Date Analyzed: 2007-08-30 Analyzed By: KB
Prep Batch: 35168 QC Preparation: 2007-08-30 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0353	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	80.9 - 124
4-Bromofluorobenzene (4-BFB)		0.0710	mg/L	1	0.100	71	55.4 - 120

Method Blank (1) QC Batch: 40822

QC Batch: 40822 Date Analyzed: 2007-09-06 Analyzed By: MT
Prep Batch: 35289 QC Preparation: 2007-09-06 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0353	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	80.9 - 124

continued ...

method blank continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.0730	mg/L	1	0.100	73	55.4 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 40567 Date Analyzed: 2007-08-28 Analyzed By: MT
Prep Batch: 35090 QC Preparation: 2007-08-28 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.957	mg/L	1	1.00	<0.0353	96	74.5 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.935	mg/L	1	1.00	<0.0353	93	74.5 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.0963	mg/L	1	0.100	100	96	83.1 - 111
4-Bromofluorobenzene (4-BFB)	0.0894	0.0866	mg/L	1	0.100	89	87	75.7 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 40602 Date Analyzed: 2007-08-29 Analyzed By: MT
Prep Batch: 35119 QC Preparation: 2007-08-29 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.04	mg/L	1	1.00	<0.0104	104	72 - 131

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.11	mg/L	1	1.00	<0.0104	111	72 - 131	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0974	0.103	mg/L	1	0.100	97	103	72.1 - 120
4-Bromofluorobenzene (4-BFB)	0.0949	0.100	mg/L	1	0.100	95	100	80.9 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 40659 Date Analyzed: 2007-08-30 Analyzed By: KB
Prep Batch: 35168 QC Preparation: 2007-08-30 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.959	mg/L	1	1.00	<0.0353	96	74.5 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.12	mg/L	1	1.00	<0.0353	112	74.5 - 114	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [2]	0.102	0.119	mg/L	1	0.100	102	119	83.1 - 111
4-Bromofluorobenzene (4-BFB)	0.0897	0.0967	mg/L	1	0.100	90	97	75.7 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 40822 Date Analyzed: 2007-09-06 Analyzed By: MT
Prep Batch: 35289 QC Preparation: 2007-09-06 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.03	mg/L	1	1.00	<0.0353	103	74.5 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.04	mg/L	1	1.00	<0.0353	104	74.5 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.105	0.100	mg/L	1	0.100	105	100	83.1 - 111
4-Bromofluorobenzene (4-BFB)	0.0960	0.0956	mg/L	1	0.100	96	96	75.7 - 117

Matrix Spike (MS-1) Spiked Sample: 134464

QC Batch: 40567 Date Analyzed: 2007-08-28 Analyzed By: MT
Prep Batch: 35090 QC Preparation: 2007-08-28 Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.908	mg/L	1	1.00	<0.0353	91	64.8 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.925	mg/L	1	1.00	<0.0353	92	64.8 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[2] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0995	0.100	mg/L	1	0.1	100	100	70 - 121
4-Bromofluorobenzene (4-BFB)	0.0905	0.0900	mg/L	1	0.1	90	90	64 - 127

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40602 Date Analyzed: 2007-08-29 Analyzed By: MT
Prep Batch: 35119 QC Preparation: 2007-08-29 Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.09	mg/L	1	1.00	<0.0104	109	55 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.12	mg/L	1	1.00	<0.0104	112	55 - 138	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		0.108	0.108	mg/L	1	0.1	108	108	75.5 - 111
4-Bromofluorobenzene (4-BFB)	[3] [4]	0.104	0.104	mg/L	1	0.1	104	104	92.3 - 102

Matrix Spike (MS-1) Spiked Sample: 134735

QC Batch: 40659 Date Analyzed: 2007-08-30 Analyzed By: KB
Prep Batch: 35168 QC Preparation: 2007-08-30 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.936	mg/L	1	1.00	<0.0353	94	64.8 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.952	mg/L	1	1.00	<0.0353	95	64.8 - 123	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0993	0.0898	mg/L	1	0.1	99	90	70 - 121
4-Bromofluorobenzene (4-BFB)	0.0879	0.0836	mg/L	1	0.1	88	84	64 - 127

[3] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[4] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.

Matrix Spike (MS-1) Spiked Sample: 135379

QC Batch: 40822 Date Analyzed: 2007-09-06 Analyzed By: MT
Prep Batch: 35289 QC Preparation: 2007-09-06 Prepared By: MT

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	[5]	0.622	mg/L	1	1.00	<0.0353	62	64.8 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.991	mg/L	1	1.00	<0.0353	99	64.8 - 123	46	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0806	0.0790	mg/L	1	0.1	81	79	70 - 121
4-Bromofluorobenzene (4-BFB)	0.0682	0.0643	mg/L	1	0.1	68	64	64 - 127

Standard (ICV-1)

QC Batch: 40567 Date Analyzed: 2007-08-28 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.959	96	85 - 115	2007-08-28

Standard (CCV-1)

QC Batch: 40567 Date Analyzed: 2007-08-28 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.02	102	85 - 115	2007-08-28

Standard (ICV-1)

QC Batch: 40602 Date Analyzed: 2007-08-29 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.14	114	85 - 115	2007-08-29

Standard (CCV-1)

QC Batch: 40602 Date Analyzed: 2007-08-29 Analyzed By: MT

[5] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.12	112	85 - 115	2007-08-29

Standard (ICV-1)

QC Batch: 40659 Date Analyzed: 2007-08-30 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.00	100	85 - 115	2007-08-30

Standard (CCV-1)

QC Batch: 40659 Date Analyzed: 2007-08-30 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.930	93	85 - 115	2007-08-30

Standard (ICV-1)

QC Batch: 40822 Date Analyzed: 2007-09-06 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.04	104	85 - 115	2007-09-06

Standard (CCV-1)

QC Batch: 40822 Date Analyzed: 2007-09-06 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.05	105	85 - 115	2007-09-06

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: October 15, 2007

Work Order: 7082426

Project Name: HELSTF Construction Landfill
Project Number: 4

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134336	HLSF-3839-HMW-034-0807	water	2007-08-23	12:00	2007-08-23
134464	HLSF-3839-HMW-032-0807	water	2007-08-24	12:25	2007-08-24
134733	HLSF-3839-HMW-033-0807	water	2007-08-27	14:02	2007-08-28
134734	HLSF-3839-HMW-059-0807	water	2007-08-27	10:30	2007-08-28
134735	HLSF-3839-HMW-133-0807	water	2007-08-27	14:02	2007-08-28
135379	HLSF-3839-HMW-065-0907	water	2007-09-04	13:00	2007-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 40 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill, HELSTF Construction Landfill and HELSTF Construction Landfill were received by TraceAnalysis, Inc. on 2007-08-23, 2007-08-24, 2007-08-28, 2007-08-28, 2007-08-28 and 2007-09-04 and assigned to work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 respectively. Samples for work order 7082426 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082711 were received intact without headspace and at a temperature of 4.0 deg.C.Samples for work order 7082903 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7082904 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7082905 were received intact without headspace and at a temperature of 2.0 deg C.Samples for work order 7090610 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7082426, 7082711, 7082903, 7082904, 7082905 and 7090610 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 134336 - HLSF-3839-HMW-034-0807

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	40532	Date Analyzed:	2007-08-27	Analyzed By:	JG
Prep Batch:	35067	Sample Preparation:	2007-08-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 134336 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.5	µg/L	1	50.0	95	82.4 - 115
Toluene-d8		48.8	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.8	µg/L	1	50.0	92	84.6 - 114

Sample: 134464 - HLSF-3839-HMW-032-0807

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	40532	Date Analyzed:	2007-08-27	Analyzed By:	JG
Prep Batch:	35067	Sample Preparation:	2007-08-27	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0

continued . . .

sample 134464 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 134464 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.1	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.1	µg/L	1	50.0	90	84.6 - 114

Sample: 134733 - HLSF-3839-HMW-033-0807

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	40636	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35148	Sample Preparation:	2007-08-29	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**4.30**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00

continued ...

sample 134733 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		**1.33**		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**6.21**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.6	µg/L	1	50.0	91	82.4 - 115
Toluene-d8		47.4	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.9	µg/L	1	50.0	88	84.6 - 114

Sample: 134734 - HLSF-3839-HMW-059-0807

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	40636	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35148	Sample Preparation:	2007-08-29	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 134734 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.4	µg/L	1	50.0	91	82.4 - 115
Toluene-d8		47.0	µg/L	1	50.0	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.1	µg/L	1	50.0	88	84.6 - 114

Sample: 134735 - HLSF-3839-HMW-133-0807

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	40636	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35148	Sample Preparation:	2007-08-29	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued ...

sample 134735 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		**4.26**		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		**1.35**		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		**6.04**		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 134735 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.2	µg/L	1	50.0	90	82.4 - 115
Toluene-d8		46.8	µg/L	1	50.0	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)		42.8	µg/L	1	50.0	86	84.6 - 114

Sample: 135379 - HLSF-3839-HMW-065-0907

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	40879	Date Analyzed:	2007-09-09	Analyzed By:	JG
Prep Batch:	35344	Sample Preparation:	2007-09-09	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

sample 135379 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 135379 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.9	µg/L	1	50.0	96	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.6	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 40532

QC Batch: 40532 Date Analyzed: 2007-08-27 Analyzed By: JG
Prep Batch: 35067 QC Preparation: 2007-08-27 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		<0.375	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		0.810	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		1.15	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.6	µg/L	1	50.0	95	82.4 - 115
Toluene-d8		48.9	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.0	µg/L	1	50.0	92	84.6 - 114

Method Blank (1) QC Batch: 40636

QC Batch:	40636	Date Analyzed:	2007-08-29	Analyzed By:	JG
Prep Batch:	35148	QC Preparation:	2007-08-29	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		0.380	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		0.540	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		1.29	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.3	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		47.3	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.0	µg/L	1	50.0	90	84.6 - 114

Method Blank (1) QC Batch: 40879

QC Batch: 40879 Date Analyzed: 2007-09-09 Analyzed By: JG
Prep Batch: 35344 QC Preparation: 2007-09-09 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		<0.375	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		0.580	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		46.6	µg/L	1	50.0	93	82.4 - 115
Toluene-d8		48.2	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 40532 Date Analyzed: 2007-08-27 Analyzed By: JG
Prep Batch: 35067 QC Preparation: 2007-08-27 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.1	µg/L	1	50.0	<0.351	98	85.7 - 113
Dichlorodifluoromethane	47.7	µg/L	1	50.0	<0.306	95	60.3 - 134
Chloromethane (methyl chloride)	45.8	µg/L	1	50.0	<0.240	92	72 - 120
Vinyl Chloride	46.4	µg/L	1	50.0	<0.224	93	64.4 - 132
Bromomethane (methyl bromide)	49.2	µg/L	1	50.0	<0.325	98	65.9 - 133
Chloroethane	46.5	µg/L	1	50.0	<0.303	93	65.3 - 132
Trichlorofluoromethane	47.8	µg/L	1	50.0	<0.255	96	52.7 - 159
Acetone	36.7	µg/L	1	50.0	<1.86	73	10 - 185
Iodomethane (methyl iodide)	49.6	µg/L	1	50.0	<0.397	99	80.9 - 112
Carbon Disulfide	48.7	µg/L	1	50.0	<0.354	97	73.7 - 120
Acrylonitrile	49.2	µg/L	1	50.0	<0.306	98	75.8 - 121
2-Butanone (MEK)	42.6	µg/L	1	50.0	<0.670	85	43.7 - 117
4-Methyl-2-pentanone (MIBK)	51.4	µg/L	1	50.0	<0.463	103	69.3 - 120
2-Hexanone	49.9	µg/L	1	50.0	<0.303	100	35.6 - 138
trans 1,4-Dichloro-2-butene	48.2	µg/L	1	50.0	<0.407	96	40 - 128
1,1-Dichloroethene	48.0	µg/L	1	50.0	<0.326	96	83.4 - 114
Methylene chloride	48.1	µg/L	1	50.0	<0.375	96	62.6 - 119
MTBE	49.3	µg/L	1	50.0	<0.352	99	70 - 132
trans-1,2-Dichloroethene	47.7	µg/L	1	50.0	<0.322	95	83.3 - 114
1,1-Dichloroethane	47.8	µg/L	1	50.0	<0.324	96	81 - 124
cis-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.331	101	83.8 - 115
2,2-Dichloropropane	44.6	µg/L	1	50.0	<0.440	89	37.9 - 136
1,2-Dichloroethane (EDC)	47.1	µg/L	1	50.0	<0.327	94	67.8 - 131
Chloroform	46.3	µg/L	1	50.0	<0.345	93	75.1 - 125
1,1,1-Trichloroethane	49.4	µg/L	1	50.0	<0.303	99	72.9 - 123
1,1-Dichloropropene	49.8	µg/L	1	50.0	<0.356	100	85.9 - 119
Benzene	49.3	µg/L	1	50.0	<0.356	99	83.5 - 115
Carbon Tetrachloride	50.7	µg/L	1	50.0	<0.342	101	62.7 - 144

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dichloropropane	49.2	µg/L	1	50.0	<0.366	98	88.8 - 114
Trichloroethene (TCE)	51.3	µg/L	1	50.0	<0.434	103	91.3 - 111
Dibromomethane (methylene bromide)	48.7	µg/L	1	50.0	<0.406	97	84.2 - 118
Bromodichloromethane	47.3	µg/L	1	50.0	<0.325	95	79.5 - 127
2-Chloroethyl vinyl ether	50.8	µg/L	1	50.0	<0.366	102	75.1 - 128
cis-1,3-Dichloropropene	51.7	µg/L	1	50.0	<0.387	103	83.2 - 119
trans-1,3-Dichloropropene	52.2	µg/L	1	50.0	<0.367	104	77.4 - 126
Toluene	49.9	µg/L	1	50.0	<0.366	100	82 - 110
1,1,2-Trichloroethane	49.7	µg/L	1	50.0	<0.397	99	77 - 123
1,3-Dichloropropane	49.4	µg/L	1	50.0	<0.355	99	81.1 - 124
Dibromochloromethane	48.3	µg/L	1	50.0	<0.315	97	79 - 129
1,2-Dibromoethane (EDB)	51.6	µg/L	1	50.0	<0.340	103	78.6 - 126
Tetrachloroethene (PCE)	51.6	µg/L	1	50.0	<0.355	103	36.7 - 173
Chlorobenzene	50.1	µg/L	1	50.0	<0.363	100	87.9 - 109
1,1,1,2-Tetrachloroethane	51.1	µg/L	1	50.0	<0.338	102	80.5 - 125
Ethylbenzene	50.7	µg/L	1	50.0	<0.350	101	82.4 - 116
m,p-Xylene	101	µg/L	1	100	<0.752	101	80 - 119
Bromoform	49.8	µg/L	1	50.0	<0.275	100	75.8 - 132
Styrene	53.8	µg/L	1	50.0	<0.395	108	84.2 - 117
o-Xylene	51.1	µg/L	1	50.0	<0.375	102	82.1 - 119
1,1,2,2-Tetrachloroethane	49.3	µg/L	1	50.0	<0.283	99	69.7 - 124
2-Chlorotoluene	49.0	µg/L	1	50.0	<0.445	98	76.5 - 123
1,2,3-Trichloropropane	48.5	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	50.2	µg/L	1	50.0	<0.521	100	78.3 - 123
Bromobenzene	48.1	µg/L	1	50.0	<0.494	96	79.9 - 122
n-Propylbenzene	49.3	µg/L	1	50.0	<0.483	99	72.6 - 122
1,3,5-Trimethylbenzene	49.8	µg/L	1	50.0	<0.487	100	69.6 - 127
tert-Butylbenzene	50.5	µg/L	1	50.0	<0.496	101	64 - 129
1,2,4-Trimethylbenzene	51.2	µg/L	1	50.0	<0.532	102	71 - 123
1,4-Dichlorobenzene (para)	50.1	µg/L	1	50.0	<0.413	100	74 - 118
sec-Butylbenzene	50.8	µg/L	1	50.0	<0.449	102	59.8 - 129
1,3-Dichlorobenzene (meta)	50.8	µg/L	1	50.0	<0.451	102	80.2 - 119
p-Isopropyltoluene	52.9	µg/L	1	50.0	<0.450	106	54.8 - 135
4-Chlorotoluene	50.0	µg/L	1	50.0	<0.489	100	78.9 - 124
1,2-Dichlorobenzene (ortho)	51.7	µg/L	1	50.0	<0.438	103	80 - 120
n-Butylbenzene	53.1	µg/L	1	50.0	<0.461	106	51.1 - 136
1,2-Dibromo-3-chloropropane	52.2	µg/L	1	50.0	<0.532	104	38.2 - 151
1,2,3-Trichlorobenzene	65.9	µg/L	1	50.0	<0.288	132	25.4 - 158
1,2,4-Trichlorobenzene	60.3	µg/L	1	50.0	<0.273	121	38.2 - 140
Naphthalene	65.2	µg/L	1	50.0	<0.299	130	33.3 - 152
Hexachlorobutadiene	56.8	µg/L	1	50.0	<0.483	114	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.9	µg/L	1	50.0	<0.351	100	85.7 - 113	2	20
Dichlorodifluoromethane	45.9	µg/L	1	50.0	<0.306	92	60.3 - 134	4	20
Chloromethane (methyl chloride)	44.8	µg/L	1	50.0	<0.240	90	72 - 120	2	20
Vinyl Chloride	45.7	µg/L	1	50.0	<0.224	91	64.4 - 132	2	20
Bromomethane (methyl bromide)	49.1	µg/L	1	50.0	<0.325	98	65.9 - 133	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloroethane	46.4	µg/L	1	50.0	<0.303	93	65.3 - 132	0	20
Trichlorofluoromethane	48.0	µg/L	1	50.0	<0.255	96	52.7 - 159	0	20
Acetone	36.4	µg/L	1	50.0	<1.86	73	10 - 185	1	20
Iodomethane (methyl iodide)	49.2	µg/L	1	50.0	<0.397	98	80.9 - 112	1	20
Carbon Disulfide	48.1	µg/L	1	50.0	<0.354	96	73.7 - 120	1	20
Acrylonitrile	50.2	µg/L	1	50.0	<0.306	100	75.8 - 121	2	20
2-Butanone (MEK)	43.7	µg/L	1	50.0	<0.670	87	43.7 - 117	2	20
4-Methyl-2-pentanone (MIBK)	49.3	µg/L	1	50.0	<0.463	99	69.3 - 120	4	20
2-Hexanone	50.4	µg/L	1	50.0	<0.303	101	35.6 - 138	1	20
trans 1,4-Dichloro-2-butene	48.3	µg/L	1	50.0	<0.407	97	40 - 128	0	20
1,1-Dichloroethene	47.9	µg/L	1	50.0	<0.326	96	83.4 - 114	0	20
Methylene chloride	47.3	µg/L	1	50.0	<0.375	95	62.6 - 119	2	20
MTBE	49.2	µg/L	1	50.0	<0.352	98	70 - 132	0	20
trans-1,2-Dichloroethene	47.7	µg/L	1	50.0	<0.322	95	83.3 - 114	0	20
1,1-Dichloroethane	47.0	µg/L	1	50.0	<0.324	94	81 - 124	2	20
cis-1,2-Dichloroethene	49.8	µg/L	1	50.0	<0.331	100	83.8 - 115	2	20
2,2-Dichloropropane	43.3	µg/L	1	50.0	<0.440	87	37.9 - 136	3	20
1,2-Dichloroethane (EDC)	47.0	µg/L	1	50.0	<0.327	94	67.8 - 131	0	20
Chloroform	46.0	µg/L	1	50.0	<0.345	92	75.1 - 125	1	20
1,1,1-Trichloroethane	48.5	µg/L	1	50.0	<0.303	97	72.9 - 123	2	20
1,1-Dichloropropene	49.0	µg/L	1	50.0	<0.356	98	85.9 - 119	2	20
Benzene	48.6	µg/L	1	50.0	<0.356	97	83.5 - 115	1	20
Carbon Tetrachloride	49.9	µg/L	1	50.0	<0.342	100	62.7 - 144	2	20
1,2-Dichloropropane	48.2	µg/L	1	50.0	<0.366	96	88.8 - 114	2	20
Trichloroethene (TCE)	50.4	µg/L	1	50.0	<0.434	101	91.3 - 111	2	20
Dibromomethane (methylene bromide)	48.5	µg/L	1	50.0	<0.406	97	84.2 - 118	0	20
Bromodichloromethane	46.5	µg/L	1	50.0	<0.325	93	79.5 - 127	2	20
2-Chloroethyl vinyl ether	49.8	µg/L	1	50.0	<0.366	100	75.1 - 128	2	20
cis-1,3-Dichloropropene	50.9	µg/L	1	50.0	<0.387	102	83.2 - 119	2	20
trans-1,3-Dichloropropene	50.6	µg/L	1	50.0	<0.367	101	77.4 - 126	3	20
Toluene	48.9	µg/L	1	50.0	<0.366	98	82 - 110	2	20
1,1,2-Trichloroethane	48.7	µg/L	1	50.0	<0.397	97	77 - 123	2	20
1,3-Dichloropropane	48.5	µg/L	1	50.0	<0.355	97	81.1 - 124	2	20
Dibromochloromethane	47.3	µg/L	1	50.0	<0.315	95	79 - 129	2	20
1,2-Dibromoethane (EDB)	51.0	µg/L	1	50.0	<0.340	102	78.6 - 126	1	20
Tetrachloroethene (PCE)	50.7	µg/L	1	50.0	<0.355	101	36.7 - 173	2	20
Chlorobenzene	48.9	µg/L	1	50.0	<0.363	98	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane	49.4	µg/L	1	50.0	<0.338	99	80.5 - 125	3	20
Ethylbenzene	49.4	µg/L	1	50.0	<0.350	99	82.4 - 116	3	20
m,p-Xylene	98.6	µg/L	1	100	<0.752	99	80 - 119	2	20
Bromoform	49.7	µg/L	1	50.0	<0.275	99	75.8 - 132	0	20
Styrene	52.7	µg/L	1	50.0	<0.395	105	84.2 - 117	2	20
o-Xylene	49.8	µg/L	1	50.0	<0.375	100	82.1 - 119	3	20
1,1,2,2-Tetrachloroethane	48.9	µg/L	1	50.0	<0.283	98	69.7 - 124	1	20
2-Chlorotoluene	48.0	µg/L	1	50.0	<0.445	96	76.5 - 123	2	20
1,2,3-Trichloropropane	48.0	µg/L	1	50.0	<0.430	96	66.3 - 130	1	20
Isopropylbenzene	49.1	µg/L	1	50.0	<0.521	98	78.3 - 123	2	20
Bromobenzene	46.8	µg/L	1	50.0	<0.494	94	79.9 - 122	3	20
n-Propylbenzene	48.1	µg/L	1	50.0	<0.483	96	72.6 - 122	2	20
1,3,5-Trimethylbenzene	48.8	µg/L	1	50.0	<0.487	98	69.6 - 127	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
tert-Butylbenzene	49.7	µg/L	1	50.0	<0.496	99	64 - 129	2	20
1,2,4-Trimethylbenzene	50.3	µg/L	1	50.0	<0.532	101	71 - 123	2	20
1,4-Dichlorobenzene (para)	49.1	µg/L	1	50.0	<0.413	98	74 - 118	2	20
sec-Butylbenzene	50.0	µg/L	1	50.0	<0.449	100	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	50.4	µg/L	1	50.0	<0.451	101	80.2 - 119	1	20
p-Isopropyltoluene	51.6	µg/L	1	50.0	<0.450	103	54.8 - 135	2	20
4-Chlorotoluene	48.7	µg/L	1	50.0	<0.489	97	78.9 - 124	3	20
1,2-Dichlorobenzene (ortho)	51.0	µg/L	1	50.0	<0.438	102	80 - 120	1	20
n-Butylbenzene	52.4	µg/L	1	50.0	<0.461	105	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	52.0	µg/L	1	50.0	<0.532	104	38.2 - 151	0	20
1,2,3-Trichlorobenzene	68.9	µg/L	1	50.0	<0.288	138	25.4 - 158	4	20
1,2,4-Trichlorobenzene	60.6	µg/L	1	50.0	<0.273	121	38.2 - 140	0	20
Naphthalene	67.6	µg/L	1	50.0	<0.299	135	33.3 - 152	4	20
Hexachlorobutadiene	57.0	µg/L	1	50.0	<0.483	114	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	46.5	47.3	µg/L	1	50.0	93	95	82.4 - 115
Toluene-d8	47.6	47.8	µg/L	1	50.0	95	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.5	49.0	µg/L	1	50.0	97	98	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 40636 | Date Analyzed: 2007-08-29 | Analyzed By: JG
Prep Batch: 35148 | QC Preparation: 2007-08-29 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.1	µg/L	1	50.0	1.4	98	85.7 - 113
Dichlorodifluoromethane	40.2	µg/L	1	50.0	<0.306	80	60.3 - 134
Chloromethane (methyl chloride)	40.2	µg/L	1	50.0	<0.240	80	72 - 120
Vinyl Chloride	41.9	µg/L	1	50.0	<0.224	84	64.4 - 132
Bromomethane (methyl bromide)	46.7	µg/L	1	50.0	<0.325	93	65.9 - 133
Chloroethane	42.9	µg/L	1	50.0	<0.303	86	65.3 - 132
Trichlorofluoromethane	44.2	µg/L	1	50.0	<0.255	88	52.7 - 159
Acetone	29.9	µg/L	1	50.0	<1.86	60	10 - 185
Iodomethane (methyl iodide)	49.4	µg/L	1	50.0	<0.397	99	80.9 - 112
Carbon Disulfide	42.4	µg/L	1	50.0	<0.354	85	73.7 - 120
Acrylonitrile	44.8	µg/L	1	50.0	<0.306	90	75.8 - 121
2-Butanone (MEK)	36.5	µg/L	1	50.0	<0.670	73	43.7 - 117
4-Methyl-2-pentanone (MIBK)	49.4	µg/L	1	50.0	<0.463	99	69.3 - 120
2-Hexanone	43.8	µg/L	1	50.0	<0.303	88	35.6 - 138
trans 1,4-Dichloro-2-butene	47.4	µg/L	1	50.0	<0.407	95	40 - 128
1,1-Dichloroethene	44.8	µg/L	1	50.0	<0.326	90	83.4 - 114
Methylene chloride	43.1	µg/L	1	50.0	<0.375	86	62.6 - 119
MTBE	45.8	µg/L	1	50.0	<0.352	92	70 - 132
trans-1,2-Dichloroethene	44.1	µg/L	1	50.0	<0.322	88	83.3 - 114
1,1-Dichloroethane	42.7	µg/L	1	50.0	<0.324	85	81 - 124

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
cis-1,2-Dichloroethene	46.4	µg/L	1	50.0	<0.331	93	83.8 - 115
2,2-Dichloropropane	47.0	µg/L	1	50.0	<0.440	94	37.9 - 136
1,2-Dichloroethane (EDC)	42.9	µg/L	1	50.0	<0.327	86	67.8 - 131
Chloroform	41.9	µg/L	1	50.0	<0.345	84	75.1 - 125
1,1,1-Trichloroethane	45.3	µg/L	1	50.0	<0.303	91	72.9 - 123
1,1-Dichloropropene	47.0	µg/L	1	50.0	<0.356	94	85.9 - 119
Benzene	46.6	µg/L	1	50.0	<0.356	93	83.5 - 115
Carbon Tetrachloride	49.3	µg/L	1	50.0	<0.342	99	62.7 - 144
1,2-Dichloropropane	45.6	µg/L	1	50.0	<0.366	91	88.8 - 114
Trichloroethene (TCE)	52.3	µg/L	1	50.0	<0.434	105	91.3 - 111
Dibromomethane (methylene bromide)	47.7	µg/L	1	50.0	<0.406	95	84.2 - 118
Bromodichloromethane	44.3	µg/L	1	50.0	<0.325	89	79.5 - 127
2-Chloroethyl vinyl ether	47.0	µg/L	1	50.0	<0.366	94	75.1 - 128
cis-1,3-Dichloropropene	49.8	µg/L	1	50.0	<0.387	100	83.2 - 119
trans-1,3-Dichloropropene	50.8	µg/L	1	50.0	<0.367	102	77.4 - 126
Toluene	48.4	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	45.0	µg/L	1	50.0	<0.397	90	77 - 123
1,3-Dichloropropane	45.2	µg/L	1	50.0	<0.355	90	81.1 - 124
Dibromochloromethane	46.3	µg/L	1	50.0	<0.315	93	79 - 129
1,2-Dibromoethane (EDB)	50.1	µg/L	1	50.0	<0.340	100	78.6 - 126
Tetrachloroethene (PCE)	50.7	µg/L	1	50.0	<0.355	101	36.7 - 173
Chlorobenzene	48.1	µg/L	1	50.0	<0.363	96	87.9 - 109
1,1,1,2-Tetrachloroethane	50.8	µg/L	1	50.0	<0.338	102	80.5 - 125
Ethylbenzene	46.3	µg/L	1	50.0	<0.350	93	82.4 - 116
m,p-Xylene	93.6	µg/L	1	100	<0.752	94	80 - 119
Bromoform	51.7	µg/L	1	50.0	<0.275	103	75.8 - 132
Styrene	51.1	µg/L	1	50.0	<0.395	102	84.2 - 117
o-Xylene	47.4	µg/L	1	50.0	<0.375	95	82.1 - 119
1,1,2,2-Tetrachloroethane	44.5	µg/L	1	50.0	<0.283	89	69.7 - 124
2-Chlorotoluene	45.0	µg/L	1	50.0	<0.445	90	76.5 - 123
1,2,3-Trichloropropane	46.1	µg/L	1	50.0	<0.430	92	66.3 - 130
Isopropylbenzene	46.2	µg/L	1	50.0	<0.521	92	78.3 - 123
Bromobenzene	44.3	µg/L	1	50.0	<0.494	89	79.9 - 122
n-Propylbenzene	44.0	µg/L	1	50.0	<0.483	88	72.6 - 122
1,3,5-Trimethylbenzene	46.3	µg/L	1	50.0	<0.487	93	69.6 - 127
tert-Butylbenzene	48.3	µg/L	1	50.0	<0.496	97	64 - 129
1,2,4-Trimethylbenzene	47.8	µg/L	1	50.0	<0.532	96	71 - 123
1,4-Dichlorobenzene (para)	49.3	µg/L	1	50.0	<0.413	99	74 - 118
sec-Butylbenzene	47.2	µg/L	1	50.0	<0.449	94	59.8 - 129
1,3-Dichlorobenzene (meta)	50.0	µg/L	1	50.0	<0.451	100	80.2 - 119
p-Isopropyltoluene	50.8	µg/L	1	50.0	<0.450	102	54.8 - 135
4-Chlorotoluene	45.9	µg/L	1	50.0	<0.489	92	78.9 - 124
1,2-Dichlorobenzene (ortho)	50.9	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene	48.9	µg/L	1	50.0	<0.461	98	51.1 - 136
1,2-Dibromo-3-chloropropane	48.7	µg/L	1	50.0	<0.532	97	38.2 - 151
1,2,3-Trichlorobenzene	67.6	µg/L	1	50.0	<0.288	135	25.4 - 158
1,2,4-Trichlorobenzene	61.6	µg/L	1	50.0	<0.273	123	38.2 - 140
Naphthalene	66.6	µg/L	1	50.0	<0.299	133	33.3 - 152
Hexachlorobutadiene	61.9	µg/L	1	50.0	<0.483	124	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	47.3	µg/L	1	50.0	1.4	95	85.7 - 113	4	20
Dichlorodifluoromethane	40.6	µg/L	1	50.0	<0.306	81	60.3 - 134	1	20
Chloromethane (methyl chloride)	39.6	µg/L	1	50.0	<0.240	79	72 - 120	2	20
Vinyl Chloride	41.2	µg/L	1	50.0	<0.224	82	64.4 - 132	2	20
Bromomethane (methyl bromide)	45.0	µg/L	1	50.0	<0.325	90	65.9 - 133	4	20
Chloroethane	42.4	µg/L	1	50.0	<0.303	85	65.3 - 132	1	20
Trichlorofluoromethane	43.7	µg/L	1	50.0	<0.255	87	52.7 - 159	1	20
Acetone	28.9	µg/L	1	50.0	<1.86	58	10 - 185	3	20
Iodomethane (methyl iodide)	47.4	µg/L	1	50.0	<0.397	95	80.9 - 112	4	20
Carbon Disulfide	41.6	µg/L	1	50.0	<0.354	83	73.7 - 120	2	20
Acrylonitrile	43.6	µg/L	1	50.0	<0.306	87	75.8 - 121	3	20
2-Butanone (MEK)	35.0	µg/L	1	50.0	<0.670	70	43.7 - 117	4	20
4-Methyl-2-pentanone (MIBK)	47.2	µg/L	1	50.0	<0.463	94	69.3 - 120	5	20
2-Hexanone	42.6	µg/L	1	50.0	<0.303	85	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	45.0	µg/L	1	50.0	<0.407	90	40 - 128	5	20
1,1-Dichloroethene	42.8	µg/L	1	50.0	<0.326	86	83.4 - 114	5	20
Methylene chloride	41.4	µg/L	1	50.0	<0.375	83	62.6 - 119	4	20
MTBE	44.1	µg/L	1	50.0	<0.352	88	70 - 132	4	20
trans-1,2-Dichloroethene	42.4	µg/L	1	50.0	<0.322	85	83.3 - 114	4	20
1,1-Dichloroethane	41.0	µg/L	1	50.0	<0.324	82	81 - 124	4	20
cis-1,2-Dichloroethene	44.6	µg/L	1	50.0	<0.331	89	83.8 - 115	4	20
2,2-Dichloropropane	44.4	µg/L	1	50.0	<0.440	89	37.9 - 136	6	20
1,2-Dichloroethane (EDC)	41.2	µg/L	1	50.0	<0.327	82	67.8 - 131	4	20
Chloroform	40.7	µg/L	1	50.0	<0.345	81	75.1 - 125	3	20
1,1,1-Trichloroethane	44.4	µg/L	1	50.0	<0.303	89	72.9 - 123	2	20
1,1-Dichloropropene	45.3	µg/L	1	50.0	<0.356	91	85.9 - 119	4	20
Benzene	44.4	µg/L	1	50.0	<0.356	89	83.5 - 115	5	20
Carbon Tetrachloride	47.8	µg/L	1	50.0	<0.342	96	62.7 - 144	3	20
1,2-Dichloropropane [1]	43.8	µg/L	1	50.0	<0.366	88	88.8 - 114	4	20
Trichloroethene (TCE)	50.0	µg/L	1	50.0	<0.434	100	91.3 - 111	4	20
Dibromomethane (methylene bromide)	45.4	µg/L	1	50.0	<0.406	91	84.2 - 118	5	20
Bromodichloromethane	42.6	µg/L	1	50.0	<0.325	85	79.5 - 127	4	20
2-Chloroethyl vinyl ether	45.2	µg/L	1	50.0	<0.366	90	75.1 - 128	4	20
cis-1,3-Dichloropropene	47.0	µg/L	1	50.0	<0.387	94	83.2 - 119	6	20
trans-1,3-Dichloropropene	48.8	µg/L	1	50.0	<0.367	98	77.4 - 126	4	20
Toluene	46.4	µg/L	1	50.0	<0.366	93	82 - 110	4	20
1,1,2-Trichloroethane	43.4	µg/L	1	50.0	<0.397	87	77 - 123	4	20
1,3-Dichloropropane	44.0	µg/L	1	50.0	<0.355	88	81.1 - 124	3	20
Dibromochloromethane	44.8	µg/L	1	50.0	<0.315	90	79 - 129	3	20
1,2-Dibromoethane (EDB)	47.6	µg/L	1	50.0	<0.340	95	78.6 - 126	5	20
Tetrachloroethene (PCE)	49.4	µg/L	1	50.0	<0.355	99	36.7 - 173	3	20
Chlorobenzene	46.1	µg/L	1	50.0	<0.363	92	87.9 - 109	4	20
1,1,1,2-Tetrachloroethane	48.7	µg/L	1	50.0	<0.338	97	80.5 - 125	4	20
Ethylbenzene	44.7	µg/L	1	50.0	<0.350	89	82.4 - 116	4	20
m,p-Xylene	90.2	µg/L	1	100	<0.752	90	80 - 119	4	20
Bromoform	49.8	µg/L	1	50.0	<0.275	100	75.8 - 132	4	20
Styrene	49.4	µg/L	1	50.0	<0.395	99	84.2 - 117	3	20
o-Xylene	45.8	µg/L	1	50.0	<0.375	92	82.1 - 119	3	20
1,1,2,2-Tetrachloroethane	42.3	µg/L	1	50.0	<0.283	85	69.7 - 124	5	20
2-Chlorotoluene	43.7	µg/L	1	50.0	<0.445	87	76.5 - 123	3	20

continued . . .

[1] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,3-Trichloropropane	44.0	µg/L	1	50.0	<0.430	88	66.3 - 130	5	20
Isopropylbenzene	45.2	µg/L	1	50.0	<0.521	90	78.3 - 123	2	20
Bromobenzene	42.7	µg/L	1	50.0	<0.494	85	79.9 - 122	4	20
n-Propylbenzene	42.1	µg/L	1	50.0	<0.483	84	72.6 - 122	4	20
1,3,5-Trimethylbenzene	45.3	µg/L	1	50.0	<0.487	91	69.6 - 127	2	20
tert-Butylbenzene	46.6	µg/L	1	50.0	<0.496	93	64 - 129	4	20
1,2,4-Trimethylbenzene	46.6	µg/L	1	50.0	<0.532	93	71 - 123	2	20
1,4-Dichlorobenzene (para)	47.9	µg/L	1	50.0	<0.413	96	74 - 118	3	20
sec-Butylbenzene	45.5	µg/L	1	50.0	<0.449	91	59.8 - 129	4	20
1,3-Dichlorobenzene (meta)	47.8	µg/L	1	50.0	<0.451	96	80.2 - 119	4	20
p-Isopropyltoluene	48.9	µg/L	1	50.0	<0.450	98	54.8 - 135	4	20
4-Chlorotoluene	44.2	µg/L	1	50.0	<0.489	88	78.9 - 124	4	20
1,2-Dichlorobenzene (ortho)	49.1	µg/L	1	50.0	<0.438	98	80 - 120	4	20
n-Butylbenzene	47.1	µg/L	1	50.0	<0.461	94	51.1 - 136	4	20
1,2-Dibromo-3-chloropropane	46.9	µg/L	1	50.0	<0.532	94	38.2 - 151	4	20
1,2,3-Trichlorobenzene	66.4	µg/L	1	50.0	<0.288	133	25.4 - 158	2	20
1,2,4-Trichlorobenzene	58.8	µg/L	1	50.0	<0.273	118	38.2 - 140	5	20
Naphthalene	64.0	µg/L	1	50.0	<0.299	128	33.3 - 152	4	20
Hexachlorobutadiene	60.9	µg/L	1	50.0	<0.483	122	49.1 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	44.5	44.1	µg/L	1	50.0	89	88	82.4 - 115
Toluene-d8	45.9	46.1	µg/L	1	50.0	92	92	89.7 - 108
4-Bromofluorobenzene (4-BFB)	46.1	46.7	µg/L	1	50.0	92	93	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 40879 Date Analyzed: 2007-09-09 Analyzed By: JG
Prep Batch: 35344 QC Preparation: 2007-09-09 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	50.4	µg/L	1	50.0	<0.351	101	85.7 - 113
Dichlorodifluoromethane	42.9	µg/L	1	50.0	<0.306	86	60.3 - 134
Chloromethane (methyl chloride)	48.4	µg/L	1	50.0	<0.240	97	72 - 120
Vinyl Chloride	49.0	µg/L	1	50.0	<0.224	98	64.4 - 132
Bromomethane (methyl bromide)	51.0	µg/L	1	50.0	<0.325	102	65.9 - 133
Chloroethane	49.6	µg/L	1	50.0	<0.303	99	65.3 - 132
Trichlorofluoromethane	47.5	µg/L	1	50.0	<0.255	95	52.7 - 159
Acetone	56.6	µg/L	1	50.0	<1.86	113	10 - 185
Iodomethane (methyl iodide)	51.2	µg/L	1	50.0	<0.397	102	80.9 - 112
Carbon Disulfide	48.9	µg/L	1	50.0	<0.354	98	73.7 - 120
Acrylonitrile	48.5	µg/L	1	50.0	<0.306	97	75.8 - 121
2-Butanone (MEK)	48.7	µg/L	1	50.0	<0.670	97	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.7	µg/L	1	50.0	<0.463	101	69.3 - 120
2-Hexanone	51.1	µg/L	1	50.0	<0.303	102	35.6 - 138
trans 1,4-Dichloro-2-butene	48.6	µg/L	1	50.0	<0.407	97	40 - 128

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.326	101	83.4 - 114
Methylene chloride	56.2	µg/L	1	50.0	<0.375	112	62.6 - 119
MTBE	51.2	µg/L	1	50.0	<0.352	102	70 - 132
trans-1,2-Dichloroethene	50.2	µg/L	1	50.0	<0.322	100	83.3 - 114
1,1-Dichloroethane	49.0	µg/L	1	50.0	<0.324	98	81 - 124
cis-1,2-Dichloroethene	51.6	µg/L	1	50.0	<0.331	103	83.8 - 115
2,2-Dichloropropane	44.1	µg/L	1	50.0	<0.440	88	37.9 - 136
1,2-Dichloroethane (EDC)	47.3	µg/L	1	50.0	<0.327	95	67.8 - 131
Chloroform	47.6	µg/L	1	50.0	<0.345	95	75.1 - 125
1,1,1-Trichloroethane	47.4	µg/L	1	50.0	<0.303	95	72.9 - 123
1,1-Dichloropropene	48.4	µg/L	1	50.0	<0.356	97	85.9 - 119
Benzene	49.8	µg/L	1	50.0	<0.356	100	83.5 - 115
Carbon Tetrachloride	47.8	µg/L	1	50.0	<0.342	96	62.7 - 144
1,2-Dichloropropane	49.3	µg/L	1	50.0	<0.366	99	88.8 - 114
Trichloroethene (TCE)	50.0	µg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)	49.3	µg/L	1	50.0	<0.406	99	84.2 - 118
Bromodichloromethane	48.2	µg/L	1	50.0	<0.325	96	79.5 - 127
2-Chloroethyl vinyl ether	50.2	µg/L	1	50.0	<0.366	100	75.1 - 128
cis-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.387	102	83.2 - 119
trans-1,3-Dichloropropene	49.6	µg/L	1	50.0	<0.367	99	77.4 - 126
Toluene	49.2	µg/L	1	50.0	<0.366	98	82 - 110
1,1,2-Trichloroethane	50.4	µg/L	1	50.0	<0.397	101	77 - 123
1,3-Dichloropropane	50.3	µg/L	1	50.0	<0.355	101	81.1 - 124
Dibromochloromethane	49.9	µg/L	1	50.0	<0.315	100	79 - 129
1,2-Dibromoethane (EDB)	52.0	µg/L	1	50.0	<0.340	104	78.6 - 126
Tetrachloroethene (PCE)	52.4	µg/L	1	50.0	<0.355	105	36.7 - 173
Chlorobenzene	49.6	µg/L	1	50.0	<0.363	99	87.9 - 109
1,1,1,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.338	101	80.5 - 125
Ethylbenzene	49.8	µg/L	1	50.0	<0.350	100	82.4 - 116
m,p-Xylene	98.2	µg/L	1	100	<0.752	98	80 - 119
Bromoform	54.7	µg/L	1	50.0	<0.275	109	75.8 - 132
Styrene	53.0	µg/L	1	50.0	<0.395	106	84.2 - 117
o-Xylene	50.9	µg/L	1	50.0	<0.375	102	82.1 - 119
1,1,2,2-Tetrachloroethane	51.4	µg/L	1	50.0	<0.283	103	69.7 - 124
2-Chlorotoluene	50.8	µg/L	1	50.0	<0.445	102	76.5 - 123
1,2,3-Trichloropropane	50.1	µg/L	1	50.0	<0.430	100	66.3 - 130
Isopropylbenzene	53.0	µg/L	1	50.0	<0.521	106	78.3 - 123
Bromobenzene	50.3	µg/L	1	50.0	<0.494	101	79.9 - 122
n-Propylbenzene	50.2	µg/L	1	50.0	<0.483	100	72.6 - 122
1,3,5-Trimethylbenzene	51.7	µg/L	1	50.0	<0.487	103	69.6 - 127
tert-Butylbenzene	52.9	µg/L	1	50.0	<0.496	106	64 - 129
1,2,4-Trimethylbenzene	51.9	µg/L	1	50.0	<0.532	104	71 - 123
1,4-Dichlorobenzene (para)	49.9	µg/L	1	50.0	<0.413	100	74 - 118
sec-Butylbenzene	51.9	µg/L	1	50.0	<0.449	104	59.8 - 129
1,3-Dichlorobenzene (meta)	50.8	µg/L	1	50.0	<0.451	102	80.2 - 119
p-Isopropyltoluene	52.2	µg/L	1	50.0	<0.450	104	54.8 - 135
4-Chlorotoluene	50.6	µg/L	1	50.0	<0.489	101	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.1	µg/L	1	50.0	<0.438	104	80 - 120
n-Butylbenzene	50.2	µg/L	1	50.0	<0.461	100	51.1 - 136
1,2-Dibromo-3-chloropropane	59.9	µg/L	1	50.0	<0.532	120	38.2 - 151

continued ...

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2,3-Trichlorobenzene	[2]	173	µg/L	1	50.0	<0.288	346	25.4 - 158
1,2,4-Trichlorobenzene	[3]	86.8	µg/L	1	50.0	<0.273	174	38.2 - 140
Naphthalene	[4]	145	µg/L	1	50.0	<0.299	290	33.3 - 152
Hexachlorobutadiene		57.1	µg/L	1	50.0	<0.483	114	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.0	µg/L	1	50.0	<0.351	98	85.7 - 113	3	20
Dichlorodifluoromethane	42.6	µg/L	1	50.0	<0.306	85	60.3 - 134	1	20
Chloromethane (methyl chloride)	47.9	µg/L	1	50.0	<0.240	96	72 - 120	1	20
Vinyl Chloride	49.4	µg/L	1	50.0	<0.224	99	64.4 - 132	1	20
Bromomethane (methyl bromide)	49.6	µg/L	1	50.0	<0.325	99	65.9 - 133	3	20
Chloroethane	49.0	µg/L	1	50.0	<0.303	98	65.3 - 132	1	20
Trichlorofluoromethane	47.7	µg/L	1	50.0	<0.255	95	52.7 - 159	0	20
Acetone	57.0	µg/L	1	50.0	<1.86	114	10 - 185	1	20
Iodomethane (methyl iodide)	51.0	µg/L	1	50.0	<0.397	102	80.9 - 112	0	20
Carbon Disulfide	49.0	µg/L	1	50.0	<0.354	98	73.7 - 120	0	20
Acrylonitrile	48.7	µg/L	1	50.0	<0.306	97	75.8 - 121	0	20
2-Butanone (MEK)	47.8	µg/L	1	50.0	<0.670	96	43.7 - 117	2	20
4-Methyl-2-pentanone (MIBK)	49.8	µg/L	1	50.0	<0.463	100	69.3 - 120	2	20
2-Hexanone	48.2	µg/L	1	50.0	<0.303	96	35.6 - 138	6	20
trans 1,4-Dichloro-2-butene	46.6	µg/L	1	50.0	<0.407	93	40 - 128	4	20
1,1-Dichloroethene	49.9	µg/L	1	50.0	<0.326	100	83.4 - 114	1	20
Methylene chloride	54.6	µg/L	1	50.0	<0.375	109	62.6 - 119	3	20
MTBE	50.1	µg/L	1	50.0	<0.352	100	70 - 132	2	20
trans-1,2-Dichloroethene	49.4	µg/L	1	50.0	<0.322	99	83.3 - 114	2	20
1,1-Dichloroethane	48.3	µg/L	1	50.0	<0.324	97	81 - 124	1	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.331	102	83.8 - 115	2	20
2,2-Dichloropropane	42.8	µg/L	1	50.0	<0.440	86	37.9 - 136	3	20
1,2-Dichloroethane (EDC)	45.4	µg/L	1	50.0	<0.327	91	67.8 - 131	4	20
Chloroform	46.5	µg/L	1	50.0	<0.345	93	75.1 - 125	2	20
1,1,1-Trichloroethane	46.8	µg/L	1	50.0	<0.303	94	72.9 - 123	1	20
1,1-Dichloropropene	48.3	µg/L	1	50.0	<0.356	97	85.9 - 119	0	20
Benzene	49.9	µg/L	1	50.0	<0.356	100	83.5 - 115	0	20
Carbon Tetrachloride	47.8	µg/L	1	50.0	<0.342	96	62.7 - 144	0	20
1,2-Dichloropropane	49.5	µg/L	1	50.0	<0.366	99	88.8 - 114	0	20
Trichloroethene (TCE)	50.0	µg/L	1	50.0	<0.434	100	91.3 - 111	0	20
Dibromomethane (methylene bromide)	49.2	µg/L	1	50.0	<0.406	98	84.2 - 118	0	20
Bromodichloromethane	48.0	µg/L	1	50.0	<0.325	96	79.5 - 127	0	20
2-Chloroethyl vinyl ether	50.4	µg/L	1	50.0	<0.366	101	75.1 - 128	0	20
cis-1,3-Dichloropropene	50.8	µg/L	1	50.0	<0.387	102	83.2 - 119	0	20
trans-1,3-Dichloropropene	48.8	µg/L	1	50.0	<0.367	98	77.4 - 126	2	20
Toluene	49.1	µg/L	1	50.0	<0.366	98	82 - 110	0	20
1,1,2-Trichloroethane	49.1	µg/L	1	50.0	<0.397	98	77 - 123	3	20
1,3-Dichloropropane	48.9	µg/L	1	50.0	<0.355	98	81.1 - 124	3	20
Dibromochloromethane	49.7	µg/L	1	50.0	<0.315	99	79 - 129	0	20

continued ...

[2]Spike recovery out of control limits. Concentration biased high. •
[3]Spike recovery out of control limits. Concentration biased high. •
[4]Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dibromoethane (EDB)		50.5	µg/L	1	50.0	<0.340	101	78.6 - 126	3	20
Tetrachloroethene (PCE)		51.6	µg/L	1	50.0	<0.355	103	36.7 - 173	2	20
Chlorobenzene		49.6	µg/L	1	50.0	<0.363	99	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane		50.3	µg/L	1	50.0	<0.338	101	80.5 - 125	0	20
Ethylbenzene		49.4	µg/L	1	50.0	<0.350	99	82.4 - 116	1	20
m,p-Xylene		97.7	µg/L	1	100	<0.752	98	80 - 119	0	20
Bromoform		54.2	µg/L	1	50.0	<0.275	108	75.8 - 132	1	20
Styrene		53.0	µg/L	1	50.0	<0.395	106	84.2 - 117	0	20
o-Xylene		50.3	µg/L	1	50.0	<0.375	101	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane		50.9	µg/L	1	50.0	<0.283	102	69.7 - 124	1	20
2-Chlorotoluene		50.8	µg/L	1	50.0	<0.445	102	76.5 - 123	0	20
1,2,3-Trichloropropane		49.7	µg/L	1	50.0	<0.430	99	66.3 - 130	1	20
Isopropylbenzene		52.8	µg/L	1	50.0	<0.521	106	78.3 - 123	0	20
Bromobenzene		50.0	µg/L	1	50.0	<0.494	100	79.9 - 122	1	20
n-Propylbenzene		50.5	µg/L	1	50.0	<0.483	101	72.6 - 122	1	20
1,3,5-Trimethylbenzene		51.1	µg/L	1	50.0	<0.487	102	69.6 - 127	1	20
tert-Butylbenzene		53.0	µg/L	1	50.0	<0.496	106	64 - 129	0	20
1,2,4-Trimethylbenzene		52.0	µg/L	1	50.0	<0.532	104	71 - 123	0	20
1,4-Dichlorobenzene (para)		49.6	µg/L	1	50.0	<0.413	99	74 - 118	1	20
sec-Butylbenzene		51.7	µg/L	1	50.0	<0.449	103	59.8 - 129	0	20
1,3-Dichlorobenzene (meta)		50.6	µg/L	1	50.0	<0.451	101	80.2 - 119	0	20
p-Isopropyltoluene		52.2	µg/L	1	50.0	<0.450	104	54.8 - 135	0	20
4-Chlorotoluene		50.8	µg/L	1	50.0	<0.489	102	78.9 - 124	0	20
1,2-Dichlorobenzene (ortho)		52.0	µg/L	1	50.0	<0.438	104	80 - 120	0	20
n-Butylbenzene		50.2	µg/L	1	50.0	<0.461	100	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane		55.0	µg/L	1	50.0	<0.532	110	38.2 - 151	8	20
1,2,3-Trichlorobenzene	[5]	165	µg/L	1	50.0	<0.288	330	25.4 - 158	5	20
1,2,4-Trichlorobenzene	[6]	81.1	µg/L	1	50.0	<0.273	162	38.2 - 140	7	20
Naphthalene	[7]	146	µg/L	1	50.0	<0.299	292	33.3 - 152	1	20
Hexachlorobutadiene		56.4	µg/L	1	50.0	<0.483	113	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	47.3	48.6	µg/L	1	50.0	95	97	82.4 - 115
Toluene-d8	48.5	49.9	µg/L	1	50.0	97	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.1	50.1	µg/L	1	50.0	98	100	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 134413

QC Batch: 40532 | Date Analyzed: 2007-08-27 | Analyzed By: JG
Prep Batch: 35067 | QC Preparation: 2007-08-27 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.0699	104	82.5 - 118

continued ...

[5] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[6] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[7] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dichlorodifluoromethane	46.1	µg/L	1	50.0	<0.0598	92	46.8 - 125
Chloromethane (methyl chloride)	47.4	µg/L	1	50.0	<0.230	95	67.1 - 127
Vinyl Chloride	46.3	µg/L	1	50.0	<0.0902	93	63.7 - 129
Bromomethane (methyl bromide)	49.8	µg/L	1	50.0	<0.740	100	65.7 - 127
Chloroethane	47.6	µg/L	1	50.0	<0.195	95	69.9 - 131
Trichlorofluoromethane	48.8	µg/L	1	50.0	<0.160	98	60.2 - 134
Acetone	45.8	µg/L	1	50.0	<0.854	92	12.1 - 136
Iodomethane (methyl iodide)	51.4	µg/L	1	50.0	<0.112	103	75.7 - 115
Carbon Disulfide	52.0	µg/L	1	50.0	<0.0764	104	67.6 - 131
Acrylonitrile	54.2	µg/L	1	50.0	<0.184	108	79.9 - 131
2-Butanone (MEK)	45.9	µg/L	1	50.0	<0.394	92	28.7 - 137
4-Methyl-2-pentanone (MIBK)	55.3	µg/L	1	50.0	<0.484	111	77.1 - 122
2-Hexanone	57.1	µg/L	1	50.0	<0.0975	114	42.3 - 145
trans 1,4-Dichloro-2-butene	47.4	µg/L	1	50.0	<0.421	95	38.5 - 122
1,1-Dichloroethene	51.2	µg/L	1	50.0	<0.0736	102	78.7 - 119
Methylene chloride	51.0	µg/L	1	50.0	<0.689	102	64.9 - 121
MTBE	52.4	µg/L	1	50.0	<0.0504	105	46.6 - 162
trans-1,2-Dichloroethene	50.3	µg/L	1	50.0	<0.0598	101	75.1 - 119
1,1-Dichloroethane	51.1	µg/L	1	50.0	<0.0299	102	86.3 - 119
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.101	106	82.6 - 116
2,2-Dichloropropane	34.9	µg/L	1	50.0	<0.0665	70	7.8 - 109
1,2-Dichloroethane (EDC)	51.6	µg/L	1	50.0	<0.0557	103	82.7 - 130
Chloroform	48.7	µg/L	1	50.0	<0.0475	97	83.6 - 119
1,1,1-Trichloroethane	52.2	µg/L	1	50.0	<0.0846	104	69.6 - 126
1,1-Dichloropropene	51.3	µg/L	1	50.0	<0.0423	103	79.2 - 121
Benzene	50.6	µg/L	1	50.0	<0.0495	101	75.8 - 125
Carbon Tetrachloride	51.5	µg/L	1	50.0	<0.121	103	58.7 - 143
1,2-Dichloropropane	50.2	µg/L	1	50.0	<0.0933	100	88.4 - 117
Trichloroethene (TCE)	51.0	µg/L	1	50.0	<0.0495	102	83.6 - 112
Dibromomethane (methylene bromide)	50.9	µg/L	1	50.0	<0.0640	102	90.7 - 117
Bromodichloromethane	47.5	µg/L	1	50.0	<0.0651	95	83.4 - 127
2-Chloroethyl vinyl ether	51.8	µg/L	1	50.0	<0.0905	104	10 - 211
cis-1,3-Dichloropropene	50.3	µg/L	1	50.0	<0.0640	101	78.6 - 113
trans-1,3-Dichloropropene	50.3	µg/L	1	50.0	<0.0504	101	81.8 - 113
Toluene	50.4	µg/L	1	50.0	<0.0736	101	81.6 - 115
1,1,2-Trichloroethane	51.4	µg/L	1	50.0	<0.106	103	83.2 - 122
1,3-Dichloropropane	51.6	µg/L	1	50.0	<0.0625	103	87.3 - 123
Dibromochloromethane	47.6	µg/L	1	50.0	<0.0791	95	81.4 - 130
1,2-Dibromoethane (EDB)	52.8	µg/L	1	50.0	<0.0460	106	91.4 - 118
Tetrachloroethene (PCE)	49.5	µg/L	1	50.0	<0.0696	99	51.8 - 111
Chlorobenzene	50.6	µg/L	1	50.0	<0.0217	101	83.9 - 113
1,1,1,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.125	103	79.5 - 127
Ethylbenzene	51.4	µg/L	1	50.0	<0.0566	103	75.4 - 121
m,p-Xylene	102	µg/L	1	100	<0.0363	102	74 - 124
Bromoform	51.0	µg/L	1	50.0	<0.0859	102	77.5 - 134
Styrene	52.0	µg/L	1	50.0	<0.0394	104	10 - 180
o-Xylene	52.0	µg/L	1	50.0	<0.0504	104	75.4 - 126
1,1,2,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.0672	104	86.4 - 122
2-Chlorotoluene	49.6	µg/L	1	50.0	<0.0283	99	69.2 - 128
1,2,3-Trichloropropane	49.9	µg/L	1	50.0	<0.0679	100	75.8 - 121

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene	49.9	µg/L	1	50.0	<0.0406	100	69.6 - 127
Bromobenzene	49.4	µg/L	1	50.0	<0.103	99	77.1 - 125
n-Propylbenzene	49.4	µg/L	1	50.0	<0.0423	99	67.1 - 125
1,3,5-Trimethylbenzene	49.4	µg/L	1	50.0	<0.0557	99	66.1 - 126
tert-Butylbenzene	50.1	µg/L	1	50.0	<0.0770	100	63.9 - 126
1,2,4-Trimethylbenzene	50.1	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	49.8	µg/L	1	50.0	<0.0672	100	66.7 - 119
sec-Butylbenzene	50.3	µg/L	1	50.0	<0.0439	101	57.6 - 127
1,3-Dichlorobenzene (meta)	50.2	µg/L	1	50.0	<0.0672	100	78.8 - 118
p-Isopropyltoluene	51.1	µg/L	1	50.0	<0.0513	102	56.6 - 128
4-Chlorotoluene	50.2	µg/L	1	50.0	<0.0460	100	74 - 127
1,2-Dichlorobenzene (ortho)	51.2	µg/L	1	50.0	<0.0629	102	81.2 - 119
n-Butylbenzene	51.0	µg/L	1	50.0	<0.0400	102	50.4 - 130
1,2-Dibromo-3-chloropropane	51.5	µg/L	1	50.0	<0.538	103	55.7 - 152
1,2,3-Trichlorobenzene	49.3	µg/L	1	50.0	<0.504	99	32.6 - 149
1,2,4-Trichlorobenzene	50.2	µg/L	1	50.0	<0.166	100	35.8 - 144
Naphthalene	51.4	µg/L	1	50.0	<0.417	103	36.7 - 156
Hexachlorobutadiene	47.2	µg/L	1	50.0	<0.176	94	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.7	µg/L	1	50.0	<0.0699	101	82.5 - 118	2	20
Dichlorodifluoromethane	45.8	µg/L	1	50.0	<0.0598	92	46.8 - 125	1	20
Chloromethane (methyl chloride)	47.0	µg/L	1	50.0	<0.230	94	67.1 - 127	1	20
Vinyl Chloride	46.7	µg/L	1	50.0	<0.0902	93	63.7 - 129	1	20
Bromomethane (methyl bromide)	49.8	µg/L	1	50.0	<0.740	100	65.7 - 127	0	20
Chloroethane	47.6	µg/L	1	50.0	<0.195	95	69.9 - 131	0	20
Trichlorofluoromethane	48.5	µg/L	1	50.0	<0.160	97	60.2 - 134	1	20
Acetone	47.3	µg/L	1	50.0	<0.854	95	12.1 - 136	3	20
Iodomethane (methyl iodide)	50.0	µg/L	1	50.0	<0.112	100	75.7 - 115	3	20
Carbon Disulfide	49.2	µg/L	1	50.0	<0.0764	98	67.6 - 131	6	20
Acrylonitrile	51.0	µg/L	1	50.0	<0.184	102	79.9 - 131	6	20
2-Butanone (MEK)	43.0	µg/L	1	50.0	<0.394	86	28.7 - 137	6	20
4-Methyl-2-pentanone (MIBK)	50.2	µg/L	1	50.0	<0.484	100	77.1 - 122	10	20
2-Hexanone	52.9	µg/L	1	50.0	<0.0975	106	42.3 - 145	8	20
trans 1,4-Dichloro-2-butene	44.1	µg/L	1	50.0	<0.421	88	38.5 - 122	7	20
1,1-Dichloroethene	49.0	µg/L	1	50.0	<0.0736	98	78.7 - 119	4	20
Methylene chloride	49.0	µg/L	1	50.0	<0.689	98	64.9 - 121	4	20
MTBE	50.7	µg/L	1	50.0	<0.0504	101	46.6 - 162	3	20
trans-1,2-Dichloroethene	49.6	µg/L	1	50.0	<0.0598	99	75.1 - 119	1	20
1,1-Dichloroethane	49.7	µg/L	1	50.0	<0.0299	99	86.3 - 119	3	20
cis-1,2-Dichloroethene	51.3	µg/L	1	50.0	<0.101	103	82.6 - 116	3	20
2,2-Dichloropropane	32.6	µg/L	1	50.0	<0.0665	65	7.8 - 109	7	20
1,2-Dichloroethane (EDC)	49.3	µg/L	1	50.0	<0.0557	99	82.7 - 130	5	20
Chloroform	47.5	µg/L	1	50.0	<0.0475	95	83.6 - 119	2	20
1,1,1-Trichloroethane	50.4	µg/L	1	50.0	<0.0846	101	69.6 - 126	4	20
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.0423	100	79.2 - 121	2	20
Benzene	49.7	µg/L	1	50.0	<0.0495	99	75.8 - 125	2	20
Carbon Tetrachloride	50.9	µg/L	1	50.0	<0.121	102	58.7 - 143	1	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloropropane	50.3	µg/L	1	50.0	<0.0933	101	88.4 - 117	0	20
Trichloroethene (TCE)	50.6	µg/L	1	50.0	<0.0495	101	83.6 - 112	1	20
Dibromomethane (methylene bromide)	49.9	µg/L	1	50.0	<0.0640	100	90.7 - 117	2	20
Bromodichloromethane	47.1	µg/L	1	50.0	<0.0651	94	83.4 - 127	1	20
2-Chloroethyl vinyl ether	51.9	µg/L	1	50.0	<0.0905	104	10 - 211	0	20
cis-1,3-Dichloropropene	49.6	µg/L	1	50.0	<0.0640	99	78.6 - 113	1	20
trans-1,3-Dichloropropene	49.6	µg/L	1	50.0	<0.0504	99	81.8 - 113	1	20
Toluene	49.8	µg/L	1	50.0	<0.0736	100	81.6 - 115	1	20
1,1,2-Trichloroethane	50.2	µg/L	1	50.0	<0.106	100	83.2 - 122	2	20
1,3-Dichloropropane	50.4	µg/L	1	50.0	<0.0625	101	87.3 - 123	2	20
Dibromochloromethane	47.0	µg/L	1	50.0	<0.0791	94	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	51.2	µg/L	1	50.0	<0.0460	102	91.4 - 118	3	20
Tetrachloroethene (PCE)	49.3	µg/L	1	50.0	<0.0696	99	51.8 - 111	0	20
Chlorobenzene	50.1	µg/L	1	50.0	<0.0217	100	83.9 - 113	1	20
1,1,1,2-Tetrachloroethane	50.6	µg/L	1	50.0	<0.125	101	79.5 - 127	2	20
Ethylbenzene	50.3	µg/L	1	50.0	<0.0566	101	75.4 - 121	2	20
m,p-Xylene	100	µg/L	1	100	<0.0363	100	74 - 124	2	20
Bromoform	49.4	µg/L	1	50.0	<0.0859	99	77.5 - 134	3	20
Styrene	49.9	µg/L	1	50.0	<0.0394	100	10 - 180	4	20
o-Xylene	50.9	µg/L	1	50.0	<0.0504	102	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane	49.7	µg/L	1	50.0	<0.0672	99	86.4 - 122	4	20
2-Chlorotoluene	49.6	µg/L	1	50.0	<0.0283	99	69.2 - 128	0	20
1,2,3-Trichloropropane	48.2	µg/L	1	50.0	<0.0679	96	75.8 - 121	4	20
Isopropylbenzene	50.1	µg/L	1	50.0	<0.0406	100	69.6 - 127	0	20
Bromobenzene	48.7	µg/L	1	50.0	<0.103	97	77.1 - 125	1	20
n-Propylbenzene	49.8	µg/L	1	50.0	<0.0423	100	67.1 - 125	1	20
1,3,5-Trimethylbenzene	49.7	µg/L	1	50.0	<0.0557	99	66.1 - 126	1	20
tert-Butylbenzene	50.4	µg/L	1	50.0	<0.0770	101	63.9 - 126	1	20
1,2,4-Trimethylbenzene	50.6	µg/L	1	50.0	<0.0336	101	65 - 123	1	20
1,4-Dichlorobenzene (para)	49.6	µg/L	1	50.0	<0.0672	99	66.7 - 119	0	20
sec-Butylbenzene	51.0	µg/L	1	50.0	<0.0439	102	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)	50.2	µg/L	1	50.0	<0.0672	100	78.8 - 118	0	20
p-Isopropyltoluene	52.2	µg/L	1	50.0	<0.0513	104	56.6 - 128	2	20
4-Chlorotoluene	49.8	µg/L	1	50.0	<0.0460	100	74 - 127	1	20
1,2-Dichlorobenzene (ortho)	51.6	µg/L	1	50.0	<0.0629	103	81.2 - 119	1	20
n-Butylbenzene	52.0	µg/L	1	50.0	<0.0400	104	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane	51.8	µg/L	1	50.0	<0.538	104	55.7 - 152	1	20
1,2,3-Trichlorobenzene [8]	65.1	µg/L	1	50.0	<0.504	130	32.6 - 149	28	20
1,2,4-Trichlorobenzene	57.6	µg/L	1	50.0	<0.166	115	35.8 - 144	14	20
Naphthalene [9]	64.6	µg/L	1	50.0	<0.417	129	36.7 - 156	23	20
Hexachlorobutadiene	53.4	µg/L	1	50.0	<0.176	107	39.6 - 125	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	50.5	49.2	µg/L	1	50	101	98	86.6 - 114
Toluene-d8	49.9	48.6	µg/L	1	50	100	97	91 - 109
4-Bromofluorobenzene (4-BFB)	50.6	48.7	µg/L	1	50	101	97	87.2 - 113

[8] RPD out of control due to carryover. •
[9] RPD out of control due to carryover. •

Matrix Spike (MS-1) Spiked Sample: 134734

QC Batch: 40636 Date Analyzed: 2007-08-29 Analyzed By: JG
Prep Batch: 35148 QC Preparation: 2007-08-29 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		48.5	µg/L	1	50.0	<0.0699	97	82.5 - 118
Dichlorodifluoromethane		44.4	µg/L	1	50.0	<0.0598	89	46.8 - 125
Chloromethane (methyl chloride)		42.5	µg/L	1	50.0	<0.230	85	67.1 - 127
Vinyl Chloride		41.9	µg/L	1	50.0	<0.0902	84	63.7 - 129
Bromomethane (methyl bromide)		46.8	µg/L	1	50.0	<0.740	94	65.7 - 127
Chloroethane		44.6	µg/L	1	50.0	<0.195	89	69.9 - 131
Trichlorofluoromethane		47.7	µg/L	1	50.0	<0.160	95	60.2 - 134
Acetone		32.3	µg/L	1	50.0	<0.854	65	12.1 - 136
Iodomethane (methyl iodide)		48.2	µg/L	1	50.0	<0.112	96	75.7 - 115
Carbon Disulfide		42.8	µg/L	1	50.0	<0.0764	86	67.6 - 131
Acrylonitrile		48.2	µg/L	1	50.0	<0.184	96	79.9 - 131
2-Butanone (MEK)		41.5	µg/L	1	50.0	<0.394	83	28.7 - 137
4-Methyl-2-pentanone (MIBK)	[10]	61.7	µg/L	1	50.0	<0.484	123	77.1 - 122
2-Hexanone		60.8	µg/L	1	50.0	<0.0975	122	42.3 - 145
trans 1,4-Dichloro-2-butene		47.5	µg/L	1	50.0	<0.421	95	38.5 - 122
1,1-Dichloroethene		44.4	µg/L	1	50.0	<0.0736	89	78.7 - 119
Methylene chloride		43.0	µg/L	1	50.0	<0.689	86	64.9 - 121
MTBE		48.9	µg/L	1	50.0	<0.0504	98	46.6 - 162
trans-1,2-Dichloroethene		44.4	µg/L	1	50.0	<0.0598	89	75.1 - 119
1,1-Dichloroethane		44.4	µg/L	1	50.0	<0.0299	89	86.3 - 119
cis-1,2-Dichloroethene		46.8	µg/L	1	50.0	<0.101	94	82.6 - 116
2,2-Dichloropropane		35.3	µg/L	1	50.0	<0.0665	71	7.8 - 109
1,2-Dichloroethane (EDC)		47.7	µg/L	1	50.0	<0.0557	95	82.7 - 130
Chloroform		44.3	µg/L	1	50.0	<0.0475	89	83.6 - 119
1,1,1-Trichloroethane		48.9	µg/L	1	50.0	<0.0846	98	69.6 - 126
1,1-Dichloropropene		48.0	µg/L	1	50.0	<0.0423	96	79.2 - 121
Benzene		46.2	µg/L	1	50.0	<0.0495	92	75.8 - 125
Carbon Tetrachloride		52.0	µg/L	1	50.0	<0.121	104	58.7 - 143
1,2-Dichloropropane		45.8	µg/L	1	50.0	<0.0933	92	88.4 - 117
Trichloroethene (TCE)		50.4	µg/L	1	50.0	<0.0495	101	83.6 - 112
Dibromomethane (methylene bromide)		49.1	µg/L	1	50.0	<0.0640	98	90.7 - 117
Bromodichloromethane		46.2	µg/L	1	50.0	<0.0651	92	83.4 - 127
2-Chloroethyl vinyl ether		47.2	µg/L	1	50.0	<0.0905	94	10 - 211
cis-1,3-Dichloropropene		47.7	µg/L	1	50.0	<0.0640	95	78.6 - 113
trans-1,3-Dichloropropene		50.0	µg/L	1	50.0	<0.0504	100	81.8 - 113
Toluene		47.7	µg/L	1	50.0	<0.0736	95	81.6 - 115
1,1,2-Trichloroethane		46.3	µg/L	1	50.0	<0.106	93	83.2 - 122
1,3-Dichloropropane		47.2	µg/L	1	50.0	<0.0625	94	87.3 - 123
Dibromochloromethane		47.6	µg/L	1	50.0	<0.0791	95	81.4 - 130
1,2-Dibromoethane (EDB)		51.3	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)		48.1	µg/L	1	50.0	<0.0696	96	51.8 - 111
Chlorobenzene		47.6	µg/L	1	50.0	<0.0217	95	83.9 - 113
1,1,1,2-Tetrachloroethane		51.1	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene		46.4	µg/L	1	50.0	<0.0566	93	75.4 - 121

continued ...

[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
m,p-Xylene	93.3	µg/L	1	100	<0.0363	93	74 - 124
Bromoform	52.4	µg/L	1	50.0	<0.0859	105	77.5 - 134
Styrene	47.8	µg/L	1	50.0	<0.0394	96	10 - 180
o-Xylene	47.9	µg/L	1	50.0	<0.0504	96	75.4 - 126
1,1,2,2-Tetrachloroethane	47.2	µg/L	1	50.0	<0.0672	94	86.4 - 122
2-Chlorotoluene	45.6	µg/L	1	50.0	<0.0283	91	69.2 - 128
1,2,3-Trichloropropane	49.0	µg/L	1	50.0	<0.0679	98	75.8 - 121
Isopropylbenzene	45.8	µg/L	1	50.0	<0.0406	92	69.6 - 127
Bromobenzene	45.9	µg/L	1	50.0	<0.103	92	77.1 - 125
n-Propylbenzene	43.0	µg/L	1	50.0	<0.0423	86	67.1 - 125
1,3,5-Trimethylbenzene	45.3	µg/L	1	50.0	<0.0557	91	66.1 - 126
tert-Butylbenzene	45.6	µg/L	1	50.0	<0.0770	91	63.9 - 126
1,2,4-Trimethylbenzene	45.9	µg/L	1	50.0	<0.0336	92	65 - 123
1,4-Dichlorobenzene (para)	47.2	µg/L	1	50.0	<0.0672	94	66.7 - 119
sec-Butylbenzene	43.9	µg/L	1	50.0	<0.0439	88	57.6 - 127
1,3-Dichlorobenzene (meta)	47.7	µg/L	1	50.0	<0.0672	95	78.8 - 118
p-Isopropyltoluene	45.8	µg/L	1	50.0	<0.0513	92	56.6 - 128
4-Chlorotoluene	46.2	µg/L	1	50.0	<0.0460	92	74 - 127
1,2-Dichlorobenzene (ortho)	49.0	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	42.5	µg/L	1	50.0	<0.0400	85	50.4 - 130
1,2-Dibromo-3-chloropropane	54.3	µg/L	1	50.0	<0.538	109	55.7 - 152
1,2,3-Trichlorobenzene	52.6	µg/L	1	50.0	<0.504	105	32.6 - 149
1,2,4-Trichlorobenzene	50.2	µg/L	1	50.0	<0.166	100	35.8 - 144
Naphthalene	54.1	µg/L	1	50.0	<0.417	108	36.7 - 156
Hexachlorobutadiene	42.4	µg/L	1	50.0	<0.176	85	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	47.5	µg/L	1	50.0	<0.0699	95	82.5 - 118	2	20
Dichlorodifluoromethane	44.1	µg/L	1	50.0	<0.0598	88	46.8 - 125	1	20
Chloromethane (methyl chloride)	41.5	µg/L	1	50.0	<0.230	83	67.1 - 127	2	20
Vinyl Chloride	41.0	µg/L	1	50.0	<0.0902	82	63.7 - 129	2	20
Bromomethane (methyl bromide)	46.1	µg/L	1	50.0	<0.740	92	65.7 - 127	2	20
Chloroethane	43.2	µg/L	1	50.0	<0.195	86	69.9 - 131	3	20
Trichlorofluoromethane	47.0	µg/L	1	50.0	<0.160	94	60.2 - 134	2	20
Acetone	31.8	µg/L	1	50.0	<0.854	64	12.1 - 136	2	20
Iodomethane (methyl iodide)	47.6	µg/L	1	50.0	<0.112	95	75.7 - 115	1	20
Carbon Disulfide	42.7	µg/L	1	50.0	<0.0764	85	67.6 - 131	0	20
Acrylonitrile	47.3	µg/L	1	50.0	<0.184	95	79.9 - 131	2	20
2-Butanone (MEK)	40.3	µg/L	1	50.0	<0.394	81	28.7 - 137	3	20
4-Methyl-2-pentanone (MIBK)	57.8	µg/L	1	50.0	<0.484	116	77.1 - 122	6	20
2-Hexanone	58.2	µg/L	1	50.0	<0.0975	116	42.3 - 145	4	20
trans 1,4-Dichloro-2-butene	44.8	µg/L	1	50.0	<0.421	90	38.5 - 122	6	20
1,1-Dichloroethene	44.4	µg/L	1	50.0	<0.0736	89	78.7 - 119	0	20
Methylene chloride	43.2	µg/L	1	50.0	<0.689	86	64.9 - 121	0	20
MTBE	47.9	µg/L	1	50.0	<0.0504	96	46.6 - 162	2	20
trans-1,2-Dichloroethene	44.0	µg/L	1	50.0	<0.0598	88	75.1 - 119	1	20
1,1-Dichloroethane	44.2	µg/L	1	50.0	<0.0299	88	86.3 - 119	0	20
cis-1,2-Dichloroethene	46.6	µg/L	1	50.0	<0.101	93	82.6 - 116	0	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
2,2-Dichloropropane	34.6	µg/L	1	50.0	<0.0665	69	7.8 - 109	2	20
1,2-Dichloroethane (EDC)	46.9	µg/L	1	50.0	<0.0557	94	82.7 - 130	2	20
Chloroform	43.5	µg/L	1	50.0	<0.0475	87	83.6 - 119	2	20
1,1,1-Trichloroethane	48.4	µg/L	1	50.0	<0.0846	97	69.6 - 126	1	20
1,1-Dichloropropene	47.9	µg/L	1	50.0	<0.0423	96	79.2 - 121	0	20
Benzene	46.4	µg/L	1	50.0	<0.0495	93	75.8 - 125	0	20
Carbon Tetrachloride	52.0	µg/L	1	50.0	<0.121	104	58.7 - 143	0	20
1,2-Dichloropropane	45.6	µg/L	1	50.0	<0.0933	91	88.4 - 117	0	20
Trichloroethene (TCE)	50.9	µg/L	1	50.0	<0.0495	102	83.6 - 112	1	20
Dibromomethane (methylene bromide)	48.2	µg/L	1	50.0	<0.0640	96	90.7 - 117	2	20
Bromodichloromethane	46.1	µg/L	1	50.0	<0.0651	92	83.4 - 127	0	20
2-Chloroethyl vinyl ether	47.0	µg/L	1	50.0	<0.0905	94	10 - 211	0	20
cis-1,3-Dichloropropene	47.2	µg/L	1	50.0	<0.0640	94	78.6 - 113	1	20
trans-1,3-Dichloropropene	49.5	µg/L	1	50.0	<0.0504	99	81.8 - 113	1	20
Toluene	47.6	µg/L	1	50.0	<0.0736	95	81.6 - 115	0	20
1,1,2-Trichloroethane	46.3	µg/L	1	50.0	<0.106	93	83.2 - 122	0	20
1,3-Dichloropropane	46.5	µg/L	1	50.0	<0.0625	93	87.3 - 123	2	20
Dibromochloromethane	47.4	µg/L	1	50.0	<0.0791	95	81.4 - 130	0	20
1,2-Dibromoethane (EDB)	51.0	µg/L	1	50.0	<0.0460	102	91.4 - 118	1	20
Tetrachloroethene (PCE)	48.0	µg/L	1	50.0	<0.0696	96	51.8 - 111	0	20
Chlorobenzene	47.7	µg/L	1	50.0	<0.0217	95	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane	50.6	µg/L	1	50.0	<0.125	101	79.5 - 127	1	20
Ethylbenzene	46.4	µg/L	1	50.0	<0.0566	93	75.4 - 121	0	20
m,p-Xylene	93.7	µg/L	1	100	<0.0363	94	74 - 124	0	20
Bromoform	51.8	µg/L	1	50.0	<0.0859	104	77.5 - 134	1	20
Styrene	47.7	µg/L	1	50.0	<0.0394	95	10 - 180	0	20
o-Xylene	47.5	µg/L	1	50.0	<0.0504	95	75.4 - 126	1	20
1,1,2,2-Tetrachloroethane	46.0	µg/L	1	50.0	<0.0672	92	86.4 - 122	3	20
2-Chlorotoluene	46.3	µg/L	1	50.0	<0.0283	93	69.2 - 128	2	20
1,2,3-Trichloropropane	48.6	µg/L	1	50.0	<0.0679	97	75.8 - 121	1	20
Isopropylbenzene	47.5	µg/L	1	50.0	<0.0406	95	69.6 - 127	4	20
Bromobenzene	46.3	µg/L	1	50.0	<0.103	93	77.1 - 125	1	20
n-Propylbenzene	44.2	µg/L	1	50.0	<0.0423	88	67.1 - 125	3	20
1,3,5-Trimethylbenzene	45.9	µg/L	1	50.0	<0.0557	92	66.1 - 126	1	20
tert-Butylbenzene	47.2	µg/L	1	50.0	<0.0770	94	63.9 - 126	3	20
1,2,4-Trimethylbenzene	46.5	µg/L	1	50.0	<0.0336	93	65 - 123	1	20
1,4-Dichlorobenzene (para)	48.0	µg/L	1	50.0	<0.0672	96	66.7 - 119	2	20
sec-Butylbenzene	45.3	µg/L	1	50.0	<0.0439	91	57.6 - 127	3	20
1,3-Dichlorobenzene (meta)	48.7	µg/L	1	50.0	<0.0672	97	78.8 - 118	2	20
p-Isopropyltoluene	47.1	µg/L	1	50.0	<0.0513	94	56.6 - 128	3	20
4-Chlorotoluene	46.9	µg/L	1	50.0	<0.0460	94	74 - 127	2	20
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	81.2 - 119	2	20
n-Butylbenzene	44.0	µg/L	1	50.0	<0.0400	88	50.4 - 130	4	20
1,2-Dibromo-3-chloropropane	55.7	µg/L	1	50.0	<0.538	111	55.7 - 152	2	20
1,2,3-Trichlorobenzene [11]	67.8	µg/L	1	50.0	<0.504	136	32.6 - 149	25	20
1,2,4-Trichlorobenzene	57.4	µg/L	1	50.0	<0.166	115	35.8 - 144	13	20
Naphthalene [12]	69.0	µg/L	1	50.0	<0.417	138	36.7 - 156	24	20
Hexachlorobutadiene	47.8	µg/L	1	50.0	<0.176	96	39.6 - 125	12	20

[11] RPD out of control due to carryover. •
[12] RPD out of control due to carryover. •

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	46.5	46.0	µg/L	1	50	93	92	86.6 - 114
Toluene-d8	46.6	46.3	µg/L	1	50	93	93	91 - 109
4-Bromofluorobenzene (4-BFB)	47.2	46.0	µg/L	1	50	94	92	87.2 - 113

Standard (CCV-1)

QC Batch: 40532 Date Analyzed: 2007-08-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.3	99	70 - 130	2007-08-27
Dichlorodifluoromethane		µg/L	50.0	46.9	94	70 - 130	2007-08-27
Chloromethane (methyl chloride)		µg/L	50.0	46.3	93	70 - 130	2007-08-27
Vinyl Chloride		µg/L	50.0	46.9	94	80 - 120	2007-08-27
Bromomethane (methyl bromide)		µg/L	50.0	49.1	98	70 - 130	2007-08-27
Chloroethane		µg/L	50.0	47.3	95	70 - 130	2007-08-27
Trichlorofluoromethane		µg/L	50.0	48.8	98	70 - 130	2007-08-27
Acetone		µg/L	50.0	37.6	75	70 - 130	2007-08-27
Iodomethane (methyl iodide)		µg/L	50.0	49.6	99	70 - 130	2007-08-27
Carbon Disulfide		µg/L	50.0	48.9	98	70 - 130	2007-08-27
Acrylonitrile		µg/L	50.0	48.7	97	70 - 130	2007-08-27
2-Butanone (MEK)		µg/L	50.0	43.7	87	70 - 130	2007-08-27
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.5	99	70 - 130	2007-08-27
2-Hexanone		µg/L	50.0	49.4	99	70 - 130	2007-08-27
trans 1,4-Dichloro-2-butene		µg/L	50.0	48.1	96	70 - 130	2007-08-27
1,1-Dichloroethene		µg/L	50.0	48.7	97	80 - 120	2007-08-27
Methylene chloride		µg/L	50.0	47.8	96	70 - 130	2007-08-27
MTBE		µg/L	50.0	49.4	99	70 - 130	2007-08-27
trans-1,2-Dichloroethene		µg/L	50.0	48.2	96	70 - 130	2007-08-27
1,1-Dichloroethane		µg/L	50.0	47.9	96	70 - 130	2007-08-27
cis-1,2-Dichloroethene		µg/L	50.0	50.1	100	70 - 130	2007-08-27
2,2-Dichloropropane		µg/L	50.0	45.6	91	70 - 130	2007-08-27
1,2-Dichloroethane (EDC)		µg/L	50.0	47.6	95	70 - 130	2007-08-27
Chloroform		µg/L	50.0	46.7	93	80 - 120	2007-08-27
1,1,1-Trichloroethane		µg/L	50.0	49.3	99	70 - 130	2007-08-27
1,1-Dichloropropene		µg/L	50.0	49.5	99	70 - 130	2007-08-27
Benzene		µg/L	50.0	49.1	98	70 - 130	2007-08-27
Carbon Tetrachloride		µg/L	50.0	49.8	100	70 - 130	2007-08-27
1,2-Dichloropropane		µg/L	50.0	48.9	98	80 - 120	2007-08-27
Trichloroethene (TCE)		µg/L	50.0	50.6	101	70 - 130	2007-08-27
Dibromomethane (methylene bromide)		µg/L	50.0	48.3	97	70 - 130	2007-08-27
Bromodichloromethane		µg/L	50.0	46.8	94	70 - 130	2007-08-27
2-Chloroethyl vinyl ether		µg/L	50.0	50.5	101	70 - 130	2007-08-27
cis-1,3-Dichloropropene		µg/L	50.0	51.2	102	70 - 130	2007-08-27
trans-1,3-Dichloropropene		µg/L	50.0	51.5	103	70 - 130	2007-08-27
Toluene		µg/L	50.0	49.3	99	80 - 120	2007-08-27
1,1,2-Trichloroethane		µg/L	50.0	49.5	99	70 - 130	2007-08-27
1,3-Dichloropropane		µg/L	50.0	48.7	97	70 - 130	2007-08-27

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dibromochloromethane		µg/L	50.0	47.3	95	70 - 130	2007-08-27
1,2-Dibromoethane (EDB)		µg/L	50.0	50.7	101	70 - 130	2007-08-27
Tetrachloroethene (PCE)		µg/L	50.0	50.3	101	70 - 130	2007-08-27
Chlorobenzene		µg/L	50.0	49.8	100	80 - 120	2007-08-27
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.1	100	70 - 130	2007-08-27
Ethylbenzene		µg/L	50.0	49.8	100	80 - 120	2007-08-27
m,p-Xylene		µg/L	100	100	100	70 - 130	2007-08-27
Bromoform		µg/L	50.0	48.9	98	70 - 130	2007-08-27
Styrene		µg/L	50.0	53.2	106	70 - 130	2007-08-27
o-Xylene		µg/L	50.0	50.5	101	70 - 130	2007-08-27
1,1,2,2-Tetrachloroethane		µg/L	50.0	47.7	95	70 - 130	2007-08-27
2-Chlorotoluene		µg/L	50.0	49.0	98	70 - 130	2007-08-27
1,2,3-Trichloropropane		µg/L	50.0	48.3	97	70 - 130	2007-08-27
Isopropylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-08-27
Bromobenzene		µg/L	50.0	48.0	96	70 - 130	2007-08-27
n-Propylbenzene		µg/L	50.0	50.1	100	70 - 130	2007-08-27
1,3,5-Trimethylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-08-27
tert-Butylbenzene		µg/L	50.0	50.9	102	70 - 130	2007-08-27
1,2,4-Trimethylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-08-27
1,4-Dichlorobenzene (para)		µg/L	50.0	49.2	98	70 - 130	2007-08-27
sec-Butylbenzene		µg/L	50.0	51.0	102	70 - 130	2007-08-27
1,3-Dichlorobenzene (meta)		µg/L	50.0	50.3	101	70 - 130	2007-08-27
p-Isopropyltoluene		µg/L	50.0	52.2	104	70 - 130	2007-08-27
4-Chlorotoluene		µg/L	50.0	49.8	100	70 - 130	2007-08-27
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.0	102	70 - 130	2007-08-27
n-Butylbenzene		µg/L	50.0	53.1	106	70 - 130	2007-08-27
1,2-Dibromo-3-chloropropane		µg/L	50.0	48.2	96	70 - 130	2007-08-27
1,2,3-Trichlorobenzene		µg/L	50.0	58.7	117	70 - 130	2007-08-27
1,2,4-Trichlorobenzene		µg/L	50.0	55.1	110	70 - 130	2007-08-27
Naphthalene		µg/L	50.0	54.7	109	70 - 130	2007-08-27
Hexachlorobutadiene		µg/L	50.0	55.5	111	70 - 130	2007-08-27

Standard (CCV-2)

QC Batch: 40532 Date Analyzed: 2007-08-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.7	101	70 - 130	2007-08-27
Dichlorodifluoromethane		µg/L	50.0	45.5	91	70 - 130	2007-08-27
Chloromethane (methyl chloride)		µg/L	50.0	45.9	92	70 - 130	2007-08-27
Vinyl Chloride		µg/L	50.0	46.0	92	80 - 120	2007-08-27
Bromomethane (methyl bromide)		µg/L	50.0	48.6	97	70 - 130	2007-08-27
Chloroethane		µg/L	50.0	46.6	93	70 - 130	2007-08-27
Trichlorofluoromethane		µg/L	50.0	47.3	95	70 - 130	2007-08-27
Acetone		µg/L	50.0	41.5	83	70 - 130	2007-08-27
Iodomethane (methyl iodide)		µg/L	50.0	49.9	100	70 - 130	2007-08-27
Carbon Disulfide		µg/L	50.0	49.4	99	70 - 130	2007-08-27

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acrylonitrile		µg/L	50.0	52.9	106	70 - 130	2007-08-27
2-Butanone (MEK)		µg/L	50.0	46.9	94	70 - 130	2007-08-27
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	51.9	104	70 - 130	2007-08-27
2-Hexanone		µg/L	50.0	53.9	108	70 - 130	2007-08-27
trans 1,4-Dichloro-2-butene		µg/L	50.0	44.2	88	70 - 130	2007-08-27
1,1-Dichloroethene		µg/L	50.0	48.8	98	80 - 120	2007-08-27
Methylene chloride		µg/L	50.0	49.5	99	70 - 130	2007-08-27
MTBE		µg/L	50.0	50.7	101	70 - 130	2007-08-27
trans-1,2-Dichloroethene		µg/L	50.0	49.1	98	70 - 130	2007-08-27
1,1-Dichloroethane		µg/L	50.0	49.4	99	70 - 130	2007-08-27
cis-1,2-Dichloroethene		µg/L	50.0	51.1	102	70 - 130	2007-08-27
2,2-Dichloropropane	[13]	µg/L	50.0	32.0	64	70 - 130	2007-08-27
1,2-Dichloroethane (EDC)		µg/L	50.0	50.1	100	70 - 130	2007-08-27
Chloroform		µg/L	50.0	48.0	96	80 - 120	2007-08-27
1,1,1-Trichloroethane		µg/L	50.0	50.4	101	70 - 130	2007-08-27
1,1-Dichloropropene		µg/L	50.0	50.5	101	70 - 130	2007-08-27
Benzene		µg/L	50.0	50.1	100	70 - 130	2007-08-27
Carbon Tetrachloride		µg/L	50.0	50.8	102	70 - 130	2007-08-27
1,2-Dichloropropane		µg/L	50.0	50.4	101	80 - 120	2007-08-27
Trichloroethene (TCE)		µg/L	50.0	50.4	101	70 - 130	2007-08-27
Dibromomethane (methylene bromide)		µg/L	50.0	50.3	101	70 - 130	2007-08-27
Bromodichloromethane		µg/L	50.0	48.0	96	70 - 130	2007-08-27
2-Chloroethyl vinyl ether		µg/L	50.0	52.0	104	70 - 130	2007-08-27
cis-1,3-Dichloropropene		µg/L	50.0	49.4	99	70 - 130	2007-08-27
trans-1,3-Dichloropropene		µg/L	50.0	50.2	100	70 - 130	2007-08-27
Toluene		µg/L	50.0	50.3	101	80 - 120	2007-08-27
1,1,2-Trichloroethane		µg/L	50.0	50.6	101	70 - 130	2007-08-27
1,3-Dichloropropane		µg/L	50.0	50.8	102	70 - 130	2007-08-27
Dibromochloromethane		µg/L	50.0	48.5	97	70 - 130	2007-08-27
1,2-Dibromoethane (EDB)		µg/L	50.0	52.0	104	70 - 130	2007-08-27
Tetrachloroethene (PCE)		µg/L	50.0	52.6	105	70 - 130	2007-08-27
Chlorobenzene		µg/L	50.0	50.2	100	80 - 120	2007-08-27
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.5	101	70 - 130	2007-08-27
Ethylbenzene		µg/L	50.0	50.4	101	80 - 120	2007-08-27
m,p-Xylene		µg/L	100	100	100	70 - 130	2007-08-27
Bromoform		µg/L	50.0	49.9	100	70 - 130	2007-08-27
Styrene		µg/L	50.0	53.4	107	70 - 130	2007-08-27
o-Xylene		µg/L	50.0	51.3	103	70 - 130	2007-08-27
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.6	101	70 - 130	2007-08-27
2-Chlorotoluene		µg/L	50.0	49.4	99	70 - 130	2007-08-27
1,2,3-Trichloropropane		µg/L	50.0	48.2	96	70 - 130	2007-08-27
Isopropylbenzene		µg/L	50.0	49.8	100	70 - 130	2007-08-27
Bromobenzene		µg/L	50.0	48.2	96	70 - 130	2007-08-27
n-Propylbenzene		µg/L	50.0	48.8	98	70 - 130	2007-08-27
1,3,5-Trimethylbenzene		µg/L	50.0	48.9	98	70 - 130	2007-08-27
tert-Butylbenzene		µg/L	50.0	50.4	101	70 - 130	2007-08-27
1,2,4-Trimethylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-08-27

continued ...

[13] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 101 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,4-Dichlorobenzene (para)		µg/L	50.0	49.0	98	70 - 130	2007-08-27
sec-Butylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-08-27
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.8	100	70 - 130	2007-08-27
p-Isopropyltoluene		µg/L	50.0	51.2	102	70 - 130	2007-08-27
4-Chlorotoluene		µg/L	50.0	49.4	99	70 - 130	2007-08-27
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.9	102	70 - 130	2007-08-27
n-Butylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-08-27
1,2-Dibromo-3-chloropropane		µg/L	50.0	52.0	104	70 - 130	2007-08-27
1,2,3-Trichlorobenzene		µg/L	50.0	53.7	107	70 - 130	2007-08-27
1,2,4-Trichlorobenzene		µg/L	50.0	52.6	105	70 - 130	2007-08-27
Naphthalene		µg/L	50.0	52.8	106	70 - 130	2007-08-27
Hexachlorobutadiene		µg/L	50.0	50.6	101	70 - 130	2007-08-27

Standard (CCV-1)

QC Batch: 40636 Date Analyzed: 2007-08-29 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.8	102	70 - 130	2007-08-29
Dichlorodifluoromethane		µg/L	50.0	43.5	87	70 - 130	2007-08-29
Chloromethane (methyl chloride)		µg/L	50.0	42.2	84	70 - 130	2007-08-29
Vinyl Chloride		µg/L	50.0	43.6	87	80 - 120	2007-08-29
Bromomethane (methyl bromide)		µg/L	50.0	47.8	96	70 - 130	2007-08-29
Chloroethane		µg/L	50.0	45.0	90	70 - 130	2007-08-29
Trichlorofluoromethane		µg/L	50.0	46.2	92	70 - 130	2007-08-29
Acetone		µg/L	50.0	57.6	115	70 - 130	2007-08-29
Iodomethane (methyl iodide)		µg/L	50.0	50.9	102	70 - 130	2007-08-29
Carbon Disulfide		µg/L	50.0	44.1	88	70 - 130	2007-08-29
Acrylonitrile		µg/L	50.0	46.9	94	70 - 130	2007-08-29
2-Butanone (MEK)		µg/L	50.0	37.8	76	70 - 130	2007-08-29
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.8	102	70 - 130	2007-08-29
2-Hexanone		µg/L	50.0	44.0	88	70 - 130	2007-08-29
trans 1,4-Dichloro-2-butene		µg/L	50.0	48.6	97	70 - 130	2007-08-29
1,1-Dichloroethene		µg/L	50.0	46.2	92	80 - 120	2007-08-29
Methylene chloride		µg/L	50.0	44.3	89	70 - 130	2007-08-29
MTBE		µg/L	50.0	47.3	95	70 - 130	2007-08-29
trans-1,2-Dichloroethene		µg/L	50.0	45.6	91	70 - 130	2007-08-29
1,1-Dichloroethane		µg/L	50.0	43.9	88	70 - 130	2007-08-29
cis-1,2-Dichloroethene		µg/L	50.0	47.8	96	70 - 130	2007-08-29
2,2-Dichloropropane		µg/L	50.0	49.1	98	70 - 130	2007-08-29
1,2-Dichloroethane (EDC)		µg/L	50.0	44.3	89	70 - 130	2007-08-29
Chloroform		µg/L	50.0	43.6	87	80 - 120	2007-08-29
1,1,1-Trichloroethane		µg/L	50.0	47.2	94	70 - 130	2007-08-29
1,1-Dichloropropene		µg/L	50.0	48.3	97	70 - 130	2007-08-29
Benzene		µg/L	50.0	47.8	96	70 - 130	2007-08-29
Carbon Tetrachloride		µg/L	50.0	50.5	101	70 - 130	2007-08-29
1,2-Dichloropropane		µg/L	50.0	47.0	94	80 - 120	2007-08-29

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Trichloroethene (TCE)		µg/L	50.0	53.5	107	70 - 130	2007-08-29
Dibromomethane (methylene bromide)		µg/L	50.0	49.4	99	70 - 130	2007-08-29
Bromodichloromethane		µg/L	50.0	45.5	91	70 - 130	2007-08-29
2-Chloroethyl vinyl ether		µg/L	50.0	48.5	97	70 - 130	2007-08-29
cis-1,3-Dichloropropene		µg/L	50.0	50.4	101	70 - 130	2007-08-29
trans-1,3-Dichloropropene		µg/L	50.0	51.7	103	70 - 130	2007-08-29
Toluene		µg/L	50.0	49.6	99	80 - 120	2007-08-29
1,1,2-Trichloroethane		µg/L	50.0	46.5	93	70 - 130	2007-08-29
1,3-Dichloropropane		µg/L	50.0	46.9	94	70 - 130	2007-08-29
Dibromochloromethane		µg/L	50.0	47.7	95	70 - 130	2007-08-29
1,2-Dibromoethane (EDB)		µg/L	50.0	51.7	103	70 - 130	2007-08-29
Tetrachloroethene (PCE)		µg/L	50.0	52.5	105	70 - 130	2007-08-29
Chlorobenzene		µg/L	50.0	50.1	100	80 - 120	2007-08-29
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.0	104	70 - 130	2007-08-29
Ethylbenzene		µg/L	50.0	47.8	96	80 - 120	2007-08-29
m,p-Xylene		µg/L	100	96.2	96	70 - 130	2007-08-29
Bromoform		µg/L	50.0	53.0	106	70 - 130	2007-08-29
Styrene		µg/L	50.0	53.0	106	70 - 130	2007-08-29
o-Xylene		µg/L	50.0	48.8	98	70 - 130	2007-08-29
1,1,2,2-Tetrachloroethane		µg/L	50.0	45.8	92	70 - 130	2007-08-29
2-Chlorotoluene		µg/L	50.0	46.6	93	70 - 130	2007-08-29
1,2,3-Trichloropropane		µg/L	50.0	47.4	95	70 - 130	2007-08-29
Isopropylbenzene		µg/L	50.0	48.2	96	70 - 130	2007-08-29
Bromobenzene		µg/L	50.0	46.3	93	70 - 130	2007-08-29
n-Propylbenzene		µg/L	50.0	45.4	91	70 - 130	2007-08-29
1,3,5-Trimethylbenzene		µg/L	50.0	48.2	96	70 - 130	2007-08-29
tert-Butylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-08-29
1,2,4-Trimethylbenzene		µg/L	50.0	49.4	99	70 - 130	2007-08-29
1,4-Dichlorobenzene (para)		µg/L	50.0	50.6	101	70 - 130	2007-08-29
sec-Butylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-08-29
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.6	103	70 - 130	2007-08-29
p-Isopropyltoluene		µg/L	50.0	52.4	105	70 - 130	2007-08-29
4-Chlorotoluene		µg/L	50.0	47.8	96	70 - 130	2007-08-29
1,2-Dichlorobenzene (ortho)		µg/L	50.0	52.2	104	70 - 130	2007-08-29
n-Butylbenzene		µg/L	50.0	50.6	101	70 - 130	2007-08-29
1,2-Dibromo-3-chloropropane		µg/L	50.0	48.5	97	70 - 130	2007-08-29
1,2,3-Trichlorobenzene		µg/L	50.0	47.6	95	70 - 130	2007-08-29
1,2,4-Trichlorobenzene		µg/L	50.0	56.1	112	70 - 130	2007-08-29
Naphthalene		µg/L	50.0	50.8	102	70 - 130	2007-08-29
Hexachlorobutadiene		µg/L	50.0	59.7	119	70 - 130	2007-08-29

Standard (CCV-1)

QC Batch: 40879 Date Analyzed: 2007-09-09 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.7	97	70 - 130	2007-09-09
Dichlorodifluoromethane		µg/L	50.0	43.6	87	70 - 130	2007-09-09
Chloromethane (methyl chloride)		µg/L	50.0	47.9	96	70 - 130	2007-09-09
Vinyl Chloride		µg/L	50.0	47.6	95	80 - 120	2007-09-09
Bromomethane (methyl bromide)		µg/L	50.0	49.9	100	70 - 130	2007-09-09
Chloroethane		µg/L	50.0	49.2	98	70 - 130	2007-09-09
Trichlorofluoromethane		µg/L	50.0	47.7	95	70 - 130	2007-09-09
Acetone		µg/L	50.0	58.5	117	70 - 130	2007-09-09
Iodomethane (methyl iodide)		µg/L	50.0	49.4	99	70 - 130	2007-09-09
Carbon Disulfide		µg/L	50.0	47.8	96	70 - 130	2007-09-09
Acrylonitrile		µg/L	50.0	48.0	96	70 - 130	2007-09-09
2-Butanone (MEK)		µg/L	50.0	45.3	91	70 - 130	2007-09-09
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.6	99	70 - 130	2007-09-09
2-Hexanone		µg/L	50.0	48.1	96	70 - 130	2007-09-09
trans 1,4-Dichloro-2-butene		µg/L	50.0	47.5	95	70 - 130	2007-09-09
1,1-Dichloroethene		µg/L	50.0	48.1	96	80 - 120	2007-09-09
Methylene chloride		µg/L	50.0	54.4	109	70 - 130	2007-09-09
MTBE		µg/L	50.0	49.4	99	70 - 130	2007-09-09
trans-1,2-Dichloroethene		µg/L	50.0	48.1	96	70 - 130	2007-09-09
1,1-Dichloroethane		µg/L	50.0	47.9	96	70 - 130	2007-09-09
cis-1,2-Dichloroethene		µg/L	50.0	49.8	100	70 - 130	2007-09-09
2,2-Dichloropropane		µg/L	50.0	44.0	88	70 - 130	2007-09-09
1,2-Dichloroethane (EDC)		µg/L	50.0	45.9	92	70 - 130	2007-09-09
Chloroform		µg/L	50.0	46.5	93	80 - 120	2007-09-09
1,1,1-Trichloroethane		µg/L	50.0	46.1	92	70 - 130	2007-09-09
1,1-Dichloropropene		µg/L	50.0	48.3	97	70 - 130	2007-09-09
Benzene		µg/L	50.0	48.6	97	70 - 130	2007-09-09
Carbon Tetrachloride		µg/L	50.0	47.2	94	70 - 130	2007-09-09
1,2-Dichloropropane		µg/L	50.0	48.4	97	80 - 120	2007-09-09
Trichloroethene (TCE)		µg/L	50.0	48.8	98	70 - 130	2007-09-09
Dibromomethane (methylene bromide)		µg/L	50.0	48.2	96	70 - 130	2007-09-09
Bromodichloromethane		µg/L	50.0	47.5	95	70 - 130	2007-09-09
2-Chloroethyl vinyl ether		µg/L	50.0	49.4	99	70 - 130	2007-09-09
cis-1,3-Dichloropropene		µg/L	50.0	50.3	101	70 - 130	2007-09-09
trans-1,3-Dichloropropene		µg/L	50.0	48.3	97	70 - 130	2007-09-09
Toluene		µg/L	50.0	48.4	97	80 - 120	2007-09-09
1,1,2-Trichloroethane		µg/L	50.0	48.7	97	70 - 130	2007-09-09
1,3-Dichloropropane		µg/L	50.0	48.4	97	70 - 130	2007-09-09
Dibromochloromethane		µg/L	50.0	49.3	99	70 - 130	2007-09-09
1,2-Dibromoethane (EDB)		µg/L	50.0	50.2	100	70 - 130	2007-09-09
Tetrachloroethene (PCE)		µg/L	50.0	50.8	102	70 - 130	2007-09-09
Chlorobenzene		µg/L	50.0	48.6	97	80 - 120	2007-09-09
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.1	98	70 - 130	2007-09-09
Ethylbenzene		µg/L	50.0	48.9	98	80 - 120	2007-09-09
m,p-Xylene		µg/L	100	96.4	96	70 - 130	2007-09-09
Bromoform		µg/L	50.0	52.8	106	70 - 130	2007-09-09
Styrene		µg/L	50.0	51.8	104	70 - 130	2007-09-09
o-Xylene		µg/L	50.0	49.3	99	70 - 130	2007-09-09
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.4	101	70 - 130	2007-09-09
2-Chlorotoluene		µg/L	50.0	49.3	99	70 - 130	2007-09-09

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/L	50.0	48.3	97	70 - 130	2007-09-09
Isopropylbenzene		µg/L	50.0	51.0	102	70 - 130	2007-09-09
Bromobenzene		µg/L	50.0	49.0	98	70 - 130	2007-09-09
n-Propylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-09-09
1,3,5-Trimethylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-09-09
tert-Butylbenzene		µg/L	50.0	51.3	103	70 - 130	2007-09-09
1,2,4-Trimethylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-09-09
1,4-Dichlorobenzene (para)		µg/L	50.0	48.2	96	70 - 130	2007-09-09
sec-Butylbenzene		µg/L	50.0	49.7	99	70 - 130	2007-09-09
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.0	98	70 - 130	2007-09-09
p-Isopropyltoluene		µg/L	50.0	50.2	100	70 - 130	2007-09-09
4-Chlorotoluene		µg/L	50.0	49.2	98	70 - 130	2007-09-09
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.4	101	70 - 130	2007-09-09
n-Butylbenzene		µg/L	50.0	49.1	98	70 - 130	2007-09-09
1,2-Dibromo-3-chloropropane		µg/L	50.0	52.0	104	70 - 130	2007-09-09
1,2,3-Trichlorobenzene	[14]	µg/L	50.0	126	252	70 - 130	2007-09-09
1,2,4-Trichlorobenzene	[15]	µg/L	50.0	73.3	147	70 - 130	2007-09-09
Naphthalene	[16]	µg/L	50.0	114	228	70 - 130	2007-09-09
Hexachlorobutadiene		µg/L	50.0	53.4	107	70 - 130	2007-09-09

[14] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 104 which is within acceptable range. This is acceptable by Method 8000.

[15] 1,2,4-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 104 which is within acceptable range. This is acceptable by Method 8000.

[16] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 104 which is within acceptable range. This is acceptable by Method 8000.

7092808

939

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CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/26/07	1345	HLSF-0154-DRM-008-0907	WATER	137697	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0154-TB-939~~	~~WATER~~			~~X~~	DE									NOTE: Trip blanks were not supplied by the lab
																Original COC torn while Copying

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): JAMES KATE	(PRINTED NAME): Sabrina Mutk
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courier	GOOD CONDITION/ CHILLED: 4C	(TIME/ DATE): 1600 9-26-07	(TIME/ DATE):	(TIME/ DATE): 092807 1000
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 4866989

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WTS

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/26/07	1345	HLSF-0154-DRUM-008-0907	WATER	137697	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Katcliff
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)
	GOOD CONDITION/C HILLED: 4°C	(TIME/ DATE) 1600 9-26-07	(TIME/ DATE)
VIA: Lab Courior	CONFORMS TO RECORD: NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866929	

3. RECEIVED BY LAB: (SIGNATURE)
(PRINTED NAME) Sabrina Mullin
(COMPANY) Trace
(TIME/ DATE) 092802 1000

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WTS

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esquerra

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCS	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
9/26/07	1025	HLSF-0154-DRM-012-0907	WATER	137698	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0154-TB-040~~	~~WATER~~			~~X~~	~~X~~	~~X~~								NOTE: Trip blanks were not supplied by the lab
																Original COC torn while copying

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George Esquerra	(PRINTED NAME): James Ratcliff	(PRINTED NAME): Gabrina Mullin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED	(TIME/DATE): 9-26-07 1600	(TIME/DATE)	(TIME/DATE): 09280 1000
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS #0866989

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/26/07	1025	HLSF-0154-D RIW-012-0907	WATER	137698	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): James Ratcliff	(PRINTED NAME): Sabrina Mudd
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/CHILLED	42	(TIME/DATE): 1600 9-26-07	(TIME/DATE)	(TIME/DATE): 0928 1000
VIA: Lab Courior	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866999		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS: Hg, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Tl, V, Zn, Sn Cyanide. NO3-NO2, AVK TDS, pH, TPC
						•		•					•		•	
9/27/07	1340	HLSF-0154-DRW-005-0907	WATER	137893	20	X	X	X	X	X	X	X	X	X	X	• NOTE: Trip blanks were not supplied by the lab
		~~HLSF-0154-TB-937~~	~~WATER~~			~~X~~	GE									

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): JAMES Ratcliff	(PRINTED NAME): 9/28/07 11:30
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) Michael Pardue	(COMPANY)
VIA: Lab Courier	GOOD CONDITION/CHILLED 4C	(TIME/ DATE) 1600 9-27-07	(TIME/ DATE) 1700 9-27-07	(TIME/ DATE)
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lone Star 40866926

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/27/07	1340	HLSF-0154-DRUM-005-0907	WATER	137893	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda	James Ratcliff	9/28/07 11:30
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) JAMES RATCLIFF	(PRINTED NAME)
	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1600 9-27-07	(TIME/DATE) 1700 9-27-07	(TIME/DATE)
VIA: Lab Courior	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Lone Star 40866926

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943

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•			•		•	Hg, Ag, As, Ba, Be, Cd, Co, Cr, Se, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, pH, cyanid, TDS, pH AIK TOC
9/27/07	0950	HLSF-0154-DRW-017-0907	WATER	137894	20	X	X	X	X	X	X	X	X	X	X	•
		~~HLSF-0154-TB-943~~	~~WATER~~			~~X~~		YE								NOTE: Trip blanks were not supplied by the lab
																2 VOA Broken JM 9-27-07

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Rateff	(PRINTED NAME): 9/29/07 11:30
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	4C	(TIME/ DATE): 1600 9-27-07	(TIME/ DATE): 1700 9-27-07	(TIME/ DATE)
VIA: Lab Courier	CONFORMS TO RECORD	R	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS	Lone Star 40866926	

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
9/27/07	0950	HLSF-0154-D RW-017-0907	WATER	137894	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE) George Esqueda	2. RELINQUISHED BY: (SIGNATURE) James Ratcliff	3. RECEIVED IN LAB: (SIGNATURE) 9/29/07 11:30
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Ratcliff	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE) James Ratcliff	RECEIVED BY: (SIGNATURE) Michael	(COMPANY)
	GOOD CONDITION/CHILLED 4C	(TIME/ DATE) 1600 9-27-07	(TIME/ DATE) 1700 9-27-07	(TIME/ DATE)
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		Core Star 4086926

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CHAIN OF CUSTODY RECORD

PROJECT NO.: 6

PROJECT NAME: HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS: Metals, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, SN, Tl, V, Zn, NO3-NO2, Alk, TDS, pH, TOC, Cond.
10/1/07	1040	HLSF-0154-DRW-006-~~0507~~ 10	WATER	138218	20	X	X	X	X	X	X	X	X	X	X	NOTE: Trip blanks were not supplied by the lab
		~~HLSF-0154-TB-938~~	~~WATER~~			~~X~~ GE										

PROJECT INFORMATION	SAMPLES RECEIVED	
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	
	GOOD CONDITION/CHILLED	4°C
VIA: Lab Courier	CONFORMS TO RECORD	MA

1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
George Esqueda	[signature]	Brenda Ward
(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
RECEIVED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE) [signature]	(COMPANY) Trace Lubbock
(TIME/ DATE) 4:15 10-1-07	(TIME/ DATE) 1730 10-1-07	(TIME/ DATE) 10/3/07 9:18 4°

SPECIAL INSTRUCTIONS / COMMENTS:
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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
10/1/07	1040	HLSF-0154-DRW-006-0907 10 EB	WATER	138218	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACI LUBBOCK
	GOOD CONDITION/CHILLED	4°	(TIME/DATE) 4:15 10-1-07	(TIME/DATE) 1730 10-1-07	(TIME/DATE) 10/3/07 9:18 4°
VIA: Lab Courior	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L.S. 40866923

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CHAIN OF CUSTODY RECORD

PAGE 1 of 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
		HMW 10				•		•	•	•			•			Metals Ag, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, NO3-NO2, Alk TDS pH TOC Grain
10/1/07	1340	HLSF-0154 ~~HCF-055-0907~~ BE BE	WATER	138219	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0154 TB 951~~	~~WATER~~			X	BE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRAC LUBBOCK
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 4:15 10-1-07	(TIME/DATE) 1730 10-1-07	(TIME/DATE) 10/3/07 9:21 4°
VIA: Lab Courier	CONFORMS TO RECORD	NA	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS	L.S.	40866923

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
6	HELSTF Diesel Spill		Total Metals	Diss. Ions									
SAMPLER'S SIGNATURE: George Esqueda													
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.									
		HMW 10											
10/1/07	1340	HLSF-0154-~~HGF~~-055-~~2307~~ HE HE	WATER	138219	20	X	X						
													NOTE: Trip blanks were not supplied by the lab

Relinquished by:
James Gutierrez

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME)	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACI LUBBOCK
	GOOD CONDITION/C HILLED	4C	(TIME/ DATE) 4:15 10-1-07	(TIME/ DATE) 1730 10-1-07	(TIME/ DATE) 10/3/07 9:24
VIA: Lab Courior	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L.S. 40866923

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
		HMW 10				•		•	•	•			•		•	Hg, VOL, NO3-NO2 AIK As, Ba, Be, Cd, Ca, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn TDS, TOC Cond.
10/2/07	1250	HLSF-0154 ~~HCP-054-0507~~ BE BE	WATER	138426	20	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0154-TB-949~~	~~WATER~~			X	BE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED IN LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/COLD	(TIME/DATE): 4:05 10-2-07	(TIME/DATE): 1705 10-2-07	(TIME/DATE): 100407 920 4°
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L540866921

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
		HMW 10						
10/2/07	1250	HLSF-0154-~~HCF~~-054-~~0807~~ BE BE	WATER	138426	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mull
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courior	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1705 10-2-07	(TIME/DATE) 1715 10-2-07	(TIME/DATE) 100407 930
	CONFORMS TO RECORD	Y	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866921 4°		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
		HMW 10														
10/2/07	1250	HLSF-0154-~~HCF~~-054-~~0907~~-ms/msd	WATER	138426	23	X	X	X	X	X	X	X	X	X	X	
		H Hg														
		~~HLSF-0154-TB-950~~	WATER			X			Hg							**NOTE: Trip blanks were not supplied by the lab**

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mull
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 4:05 10-2-07	(TIME/DATE) 1715 10-2-07	(TIME/DATE) 100407 920
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS40866921

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
		4mw 10						
10/2/07	1250	HLSF-0154-~~HGF~~-054-0807-ms/msd	WATER	138426	23	X	X	
		12 12						NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Martinez
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace
	GOOD CONDITION/CHILLED: 4°C	(TIME/DATE): 4:05 10-2-07	(TIME/DATE): 1215 10-2-07	(TIME/DATE): 10/2/07 920
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		US 40866921

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•			•		•	NO3-NO2 TOT. HG Ag, As, Ba, Cd, Cr, Cu, Ni, Pb, Se, Sn, Tl, V, Zn TDS, PH, TOC Cond.
10/3/07	1005	HLSF-0154-DRW-016-0907 (10 / YE)	WATER	138551	20	X	X	X	X	X	X	X	X	X	X	•
		HLSF 0154 TB 941 (YE)	WATER			X	YE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME): George Esqueda	(PRINTED NAME): James Turner	(PRINTED NAME): Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Lubbock
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 4:05 10-3-07	(TIME/DATE): 1215 10-3-07	(TIME/DATE): 10/5/07 11:05
VIA: Lab Courier	CONFORMS TO RECORD	DP	SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS 40866902

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
		10						
10/3/07	1005	HLSF-0154-DRUM-016-0907	WATER	138551	20	X	X	
		GE						NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED		George Esqueda		Brenda Ward
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRC LUBBOCK
	GOOD CONDITION/C HILLED	4C	(TIME/ DATE) 1405 10-3-07	(TIME/ DATE) 1715 10-3-07	(TIME/ DATE) 10/5/07 11:05
VIA: Lab Courior	CONFORMS TO RECORD	BR	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		4° L.S. 4086902

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•			•		•	NO3-NO2, Alk, TDT Hg, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, SiO2, Tl, V, Zn, TDS, pH, Cond, TOC,
10/3/07	1415	HLSF-0154-DRW-004-0907 (10 pe)	WATER	138552	20	X	X	X	X	X	X	X	X	X	X	•
		~~HLSF-0154-TB-936~~	~~WATER~~			X	pe									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		~~RECEIVED BY: (SIGNATURE)~~	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace-L43
VIA: Lab Courier	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1705 10-3-07	(TIME/DATE) 1715 10-3-07	(TIME/DATE) 10/5/07 11:40
	CONFORMS TO RECORD	BF	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L.S. 40866902

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
10/3/07	1415	HLSF-0154-DRW-004-0907 (10) (SE)	WATER	138552	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Ketchum	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Lubbock
	GOOD CONDITION/ CHILLED	4C	(TIME/ DATE) 1705 10-3-07	(TIME/ DATE) 1715 10-3-07	(TIME/ DATE) 10/5/07 11:40
VIA: Lab Courior	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		L.S. 4086902

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•			•		•	NO3-NO2 TDS, Hg Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, SN, Tl, V, Zn TDS, Alk, pH, Cond. TOC
10/3/07	1005	HLSF-0154-DRM-116-10807	WATER	138554	20	X	X	X	X	X	X	X	X	X	X	•
		~~HLSF-0154-TB-942~~ DE	~~WATER~~			~~X~~	DE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME)	(PRINTED NAME) Brenda Ward
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Lubbock
VIA: Lab Courier	GOOD CONDITION/C HILLED	4C	(TIME/ DATE) 4:05 10-3-07	(TIME/ DATE) 1715 10-3-07	(TIME/ DATE) 10/5/07 17.15 11:40
	CONFORMS TO RECORD	PR	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
10/3/07	1005	HLSF-0154-DRW-116-1007 (10, SE)	WATER	138554	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Sierra	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace LUBBOCK
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 1405 10-3-07	(TIME/DATE) 1715 10-3-07	(TIME/DATE) 10/5/07 11:40
VIA: Lab Courior	CONFORMS TO RECORD	PR	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•			•			NO3-NO2 As, Sb, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Se, Se, Sn, Ti, V, Zn Alk. Cond. TDS, pH, TOC
10/4/07	1415	HLSF-0154-HCF-002-0907	WATER	138628	20	X	X	X	X	X	X	X	X	X	X	•
		HLSF-0154-TB-944	WATER			X	DE									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Don Simmons
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: Lab Courier	GOOD CONDITION/CHILLED 4C	(TIME/DATE) 1400 10-4-07	(TIME/DATE) 1715 10-4-07	(TIME/DATE) 10:35 / 10/6/07
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
10/4/07	1415	HLSF-0154-HCF-002-0807 (10) DR	WATER	138628	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	(PRINTED NAME): George ESQUEDA	(PRINTED NAME): Jaime Gutierrez	(PRINTED NAME): Don Simmons
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): Trace Analysis
	GOOD CONDITION/CHILLED: 4C	(TIME/DATE): 400 10-4-07	(TIME/DATE): 1715 10-4-07	(TIME/DATE): 10:35 / 10/6/07
VIA: Lab Courior	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS	LSO 40866903	IVOA has headspace

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PROJECT NO.: 6

PROJECT NAME: HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
10/5/07	0950	HLSF-0154-HCF-006-~~0907~~ 1007	WATER	138720	20	X	X	X	X	X	X	X	X	X	X	Tot. Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, SN, Tl, V, Zn, Alk, Cond, SO4, Cl, Fl, Bromide, TDS, TOC, Tot Hg, NO3-NO2
		~~HLSF-0154-TB-948~~ GE	~~WATER~~			~~X~~ GE										NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED	
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS	
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	
	GOOD CONDITION/CHILLED	4°C
VIA: Lab Courier	CONFORMS TO RECORD	BP

1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
George Esqueda	[signature]	Brenda Ward
(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Brenda Ward
RECEIVED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE) [signature]	(COMPANY) Trac Lubbock
(TIME/ DATE) 3:20 10-5-07	(TIME/ DATE) 1645 10-5-07	(TIME/ DATE) 10-9-07 9:45

SPECIAL INSTRUCTIONS / COMMENTS:
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CHAIN OF CUSTODY RECORD

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PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: Total Metals	ANALYSIS REQUESTED: Diss. Ions	REMARKS
10/5/07	0950	HLSF-0154-HCF-006-0907 (10 / HE)	WATER	138720	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	SAMPLES RECEIVED	(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: Lab Courior	CHAIN OF CUSTODY SEALS	(TIME/DATE) 3:20 10-5-07	(TIME/DATE) 1645 10-5-07	(TIME/DATE) 10-9-07 9:45
	GOOD CONDITION/CHILLED 4°C	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		4°
	CONFORMS TO RECORD			

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Ammn. Perch	REMARKS
						•		•	•	•			•			
10/8/07	1405	HLSF-0154-HCF-003-0807	WATER	139045	19	X	X	X	X	X	X	X	X	X	X	
		~~HLSF-0154-TB-945~~	~~WATER~~			~~X~~	~~X~~									NOTE: Trip blanks were not supplied by the lab

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PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Martin
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4C	(TIME) (DATE) 4:25 10-9-07	(TIME) (DATE) 1230 10-9-07	(TIME) (DATE) 1011CR 1030
	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS. LS 408669UK		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
10/8/07	1405	HLSF-0154-HCF-003-0907 (10 / MS)	WATER	139045	19	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Ratcliff	(COMPANY) Trace
	GOOD CONDITION/COLD	4C	(TIME/DATE) 1425 10-8-07	(TIME/DATE) 1730 10-8-07	(TIME/DATE) 10/10/07 1030
VIA: Lab Courior	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS#0866115		

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CHAIN OF CUSTODY RECORD

PAGE 1 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOC'S	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•			•		•	Alk, Cond, pH, Fl, Cl, SO4, Bromide, TOT, Hg, Al, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Sr, Tl, V, Zn, NO3-N, NO2-N
9/11 10/8/07	1405	HLSF-0154-HCF-103-0907 10	WATER	139046	20	X	X	X	X	X	X	X	X	X	X	
		HLSF-0154-TB-946 ~~HLSF-0154-TB-946~~	~~WATER~~			~~X~~	~~X~~									NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mullen
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4°	(TIME/ DATE) 1425 10-9-07	(TIME/ DATE) 1230 10-9-07	(TIME/ DATE) 1014 1030
VIA: Lab Courier	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866918		

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions								REMARKS
		10													
10/8/07	1405	HLSF-0154-HCF-103-0007	WATER	139046	20	X	X								
		ME													NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George Esqueda	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Mullen
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/COLD	YE	(TIME/DATE) 4-23 10-9-07	(TIME/DATE) 1730 10-9-07	(TIME/DATE) 101107 1030
VIA: Lab Courier	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS		LS-40866918

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esquerda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	DRO/GRO	TOC	SVOCS	Explosives	EXTRA	Water Quality	Total Cyanide	Nutrients	Amm. Perch	REMARKS
						•		•	•	•					•	Alk, Cond, Fluoride, Pb, Cl, SO4, Bromide, TDT, Hg, TOC, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, NO3-NO2-N
10/8/07	1040	HLSF-0154-HCF-004-0807 (10)	WATER	139047	20	X	X	X	X	X	X	X	X	X	X	
		HLSF-0154-TB-947	WATER			X		DE								NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME)	(PRINTED NAME) Sabrina Multhauf
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
VIA: Lab Courier	GOOD CONDITION/CHILLED	4C	(TIME/DATE) 4:25 10/9/07	(TIME/DATE) 1730 10-9-07	(TIME/DATE) 10/10/07 1020
	CONFORMS TO RECORD	MA	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS4086618		

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CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
6	HELSTF Diesel Spill

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	Total Metals	Diss. Ions	REMARKS
9/28								
10/8/07	1040	HLSF-0154-HCF-004-0907 10 DE	WATER	139047	20	X	X	NOTE: Trip blanks were not supplied by the lab

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED FOR LAB: (SIGNATURE)
PROJECT MANAGER: William Little	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Sabrina Multon
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Rutledge	(COMPANY) Trace
	GOOD CONDITION/COLD	4C	(TIME/ DATE) 9-25 10-9-07	(TIME/ DATE) 1730 10-8-07	(TIME/ DATE) 10/10/07 1030
VIA: Lab Courior	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ANALYTE LIST FOR DETAILS LS 40866918		

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Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

WHITE SANDS TECHNICAL SERVICES
attn: **JIM THOMPSON**
PO BOX 363, BLDG 126, 3RD FLOOR
WSMR NM 88002

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **WHITE SANDS TECHNICAL SERVICES**
Project: **HELSTF TSA SAMPLING**
Order: **0706147 WHI1E** Receipt: **06-06-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***HTSA-26030-HMW-052-0607*** Collected: *06-05-07 10:15:00* By: *BD*
Matrix: ***WATER***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0706147-0001A		**SW846 5030B/8021B Purgeable VOCs by GC/PID**						By: RW		
V07323	XG.2007.811.5	1634-04-4	Methyl t-butyl ether (MtBE)	16	ug/L	1	1		06-07-07	06-07-07

Sample: ***HTSA-26030-HMW-152-0607*** Collected: *06-05-07 10:15:00* By: *BD*
Matrix: ***WATER***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0706147-0002A		**SW846 5030B/8021B Purgeable VOCs by GC/PID**						By: RW		
V07323	XG.2007.811.8	1634-04-4	Methyl t-butyl ether (MtBE)	17	ug/L	1	1		06-07-07	06-07-07

Sample: ***HTSA-26030-TB-07-887*** Collected: *06-05-07 10:15:00* By: *BD*
Matrix: ***WATER***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0706147-0003A		**SW846 5030B/8021B Purgeable VOCs by GC/PID**						By: RW		
V07323	XG.2007.811.9	1634-04-4	Methyl t-butyl ether (MtBE)	ND	ug/L	1	1		06-07-07	06-07-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 6/26/2007 11:51:00 AM

0706147

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888

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
48	HELSTF TSA SAMPLING

SAMPLER'S SIGNATURE: Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: MTBE	REMARKS
6-5-07	1015	HTSA-26030-HMW-052-0607	WATER		3	X	
6-5-07	1015	HTSA-26030-HMW-152-0607	WATER		3	X	
6-5-07	1015	HTSA-26030-TB-07-887	WATER		2	X	
							Cooler Temp 3.1°

PROJECT INFORMATION		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	Bradley T. Davis		
	TOTAL NO. OF CONTAINERS	(PRINTED NAME) Bradley T. Davis 6-5-07 1500	(PRINTED NAME)	(PRINTED NAME) MEA
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) WAC
	GOOD CONDITION/CHILLED	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 9:43 6/6/07
VIA: Lab Courier	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: Report MTBE only		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
48	HELSTF TSA SAMPLING

SAMPLER'S SIGNATURE: Bradley T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: MTBE	REMARKS
6-5-07	1015	HTSA-26030-HMW-052-0607-QA	WATER	126621	3	X	
6-5-07	1015	HTSA-26030-HMW-152-0607-QA	WATER	126622	3	X	
6-5-07	1015	HTSA-26030-TB-07-887	WATER	126623	2	X	

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME): Bradley T. Davis	(PRINTED NAME): James Gutierrez	(PRINTED NAME): Sabrina Multer
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) Dennis Ruther	(COMPANY): Trace
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 10:30 6-6-07	(TIME/DATE): 11:45 6-6-07	(TIME/DATE): 060707 / 900
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: Report MTBE only.		LS 38751758

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Attachment 3

Laboratory Analytical Results for
April 2007 Sampling Event

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: April 10, 2007

Work Order: 7040406

Project Location: 45
Project Name: LC-38 Diesel Spill
Project Number: LC-38 Diesel Spill

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
120665	LC38 DSPL-MW-002-0407	water	2007-04-02	10:40	2007-04-03
120666	LC38-DSPL-MW-102-0407	water	2007-04-02	10:40	2007-04-03
120667	LC38-DSPL-TB-07-832	water	2007-04-02	10:40	2007-04-03

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 23 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 'LC-38 Diesel Spill' were received by TraceAnalysis, Inc. on 2007-04-03 and assigned to work order 7040406. Samples for work order 7040406 were received intact without headspace and at a temperature of 4 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7470A
Pb, Total	S 6010B
Se, Total	S 6010B
Volatiles WTS	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occuring, however, it may not pertain to the samples for work order 7040406 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are preformed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropreate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 120665 - LC38 DSPL-MW-002-0407

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36210	Date Analyzed:	2007-04-05	Analyzed By:	TP
Prep Batch:	31411	Sample Preparation:	2007-04-05	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	36289	Date Analyzed:	2007-04-09	Analyzed By:	RR
Prep Batch:	31457	Sample Preparation:	2007-04-06	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0120**	mg/L	1	0.0100
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Chromium		**0.0700**	mg/L	1	0.00500
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 120665 - LC38 DSPL-MW-002-0407

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36292	Date Analyzed:	2007-04-06	Analyzed By:	JG
Prep Batch:	31487	Sample Preparation:	2007-04-06	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00

continued . . .

sample 120665 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00

continued . . .

sample 120665 continued . . .

Parameter	Flag	Result	RL Result	Units	Dilution	RL
1,4-Dioxane			<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.1	µg/L	1	50.0	98	82.4 - 115
Toluene-d8		48.3	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.4	µg/L	1	50.0	87	84.6 - 114

Sample: 120666 - LC38-DSPL-MW-102-0407

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	36210	Date Analyzed:	2007-04-05	Analyzed By:	TP
Prep Batch:	31411	Sample Preparation:	2007-04-05	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	36289	Date Analyzed:	2007-04-09	Analyzed By:	RR
Prep Batch:	31457	Sample Preparation:	2007-04-06	Prepared By:	TS

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Total Silver			<0.00200	mg/L	1	0.00200
Total Arsenic			<0.0100	mg/L	1	0.0100
Total Barium			**0.0120**	mg/L	1	0.0100
Total Cadmium			<0.00100	mg/L	1	0.00100
Total Chromium			**0.0700**	mg/L	1	0.00500
Total Mercury			<0.000200	mg/L	1	0.000200
Total Lead			<0.00500	mg/L	1	0.00500
Total Selenium			<0.0100	mg/L	1	0.0100

Sample: 120666 - LC38-DSPL-MW-102-0407

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36292	Date Analyzed:	2007-04-06	Analyzed By:	JG
Prep Batch:	31487	Sample Preparation:	2007-04-06	Prepared By:	JG

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Bromochloromethane			<1.00	µg/L	1	1.00
Dichlorodifluoromethane			<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)			<1.00	µg/L	1	1.00
Vinyl Chloride			<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)			<5.00	µg/L	1	5.00
Chloroethane			<1.00	µg/L	1	1.00
Trichlorofluoromethane			<1.00	µg/L	1	1.00
Acetone			<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)			<5.00	µg/L	1	5.00
Carbon Disulfide			<1.00	µg/L	1	1.00
Acrylonitrile			<1.00	µg/L	1	1.00

continued . . .

sample 120666 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00

continued . . .

sample 120666 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.4	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.0	µg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.2	µg/L	1	50.0	86	84.6 - 114

Sample: 120667 - LC38-DSPL-TB-07-832

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	36292	Date Analyzed:	2007-04-06	Analyzed By:	JG
Prep Batch:	31487	Sample Preparation:	2007-04-06	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00

continued . . .

sample 120667 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00

continued . . .

sample 120667 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.4	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.6	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.1	µg/L	1	50.0	88	84.6 - 114

Method Blank (1) QC Batch: 36210

QC Batch: 36210 Date Analyzed: 2007-04-05 Analyzed By: TP
Prep Batch: 31411 QC Preparation: 2007-04-05 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000336	mg/L	0.0002

Method Blank (1) QC Batch: 36289

QC Batch: 36289 Date Analyzed: 2007-04-09 Analyzed By: RR
Prep Batch: 31457 QC Preparation: 2007-04-06 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.002
Total Arsenic		<0.00430	mg/L	0.01
Total Barium		<0.00170	mg/L	0.01
Total Cadmium		<0.00140	mg/L	0.001
Total Chromium		<0.000900	mg/L	0.005
Total Lead		<0.00740	mg/L	0.005
Total Selenium		<0.0131	mg/L	0.01

Method Blank (1) QC Batch: 36292

QC Batch: 36292 Date Analyzed: 2007-04-06 Analyzed By: JG
Prep Batch: 31487 QC Preparation: 2007-04-06 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5

continued . . .

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		0.740	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.300	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		0.730	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.5	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.9	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.6	µg/L	1	50.0	89	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 36210 | Date Analyzed: 2007-04-05 | Analyzed By: TP
Prep Batch: 31411 | QC Preparation: 2007-04-05 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000990	mg/L	1	0.00100	<0.0000336	99	85.8 - 107.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00103	mg/L	1	0.00100	<0.0000336	103	85.8 - 107.3	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36289 | Date Analyzed: 2007-04-09 | Analyzed By: RR
Prep Batch: 31457 | QC Preparation: 2007-04-06 | Prepared By: TS

continued ...

control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	87.9 - 111
Total Arsenic	0.477	mg/L	1	0.500	<0.00430	95	86.8 - 108
Total Barium	1.01	mg/L	1	1.00	<0.00170	101	88.8 - 110
Total Cadmium	0.254	mg/L	1	0.250	<0.00140	102	86.8 - 110
Total Chromium	0.108	mg/L	1	0.100	<0.000900	108	86.5 - 115
Total Lead	0.508	mg/L	1	0.500	<0.00740	102	83 - 109
Total Selenium	0.460	mg/L	1	0.500	<0.0131	92	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.123	mg/L	1	0.125	<0.00210	98	87.9 - 111	2	20
Total Arsenic	0.472	mg/L	1	0.500	<0.00430	94	86.8 - 108	1	20
Total Barium	0.970	mg/L	1	1.00	<0.00170	97	88.8 - 110	4	20
Total Cadmium	0.250	mg/L	1	0.250	<0.00140	100	86.8 - 110	2	20
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	86.5 - 115	4	20
Total Lead	0.498	mg/L	1	0.500	<0.00740	100	83 - 109	2	20
Total Selenium	0.446	mg/L	1	0.500	<0.0131	89	75 - 112	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 36292 Date Analyzed: 2007-04-06 Analyzed By: JG
Prep Batch: 31487 QC Preparation: 2007-04-06 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	48.3	µg/L	1	50.0	<0.0699	97	85.7 - 113
Dichlorodifluoromethane	36.4	µg/L	1	50.0	<0.0598	73	60.3 - 134
Chloromethane (methyl chloride)	52.2	µg/L	1	50.0	<0.230	104	72 - 120
Vinyl Chloride	53.7	µg/L	1	50.0	<0.0902	107	64.4 - 132
Bromomethane (methyl bromide)	60.7	µg/L	1	50.0	<0.740	121	65.9 - 133
Chloroethane	62.0	µg/L	1	50.0	<0.195	124	65.3 - 132
Trichlorofluoromethane	56.1	µg/L	1	50.0	<0.160	112	52.7 - 159
Acetone	47.9	µg/L	1	50.0	<0.854	96	10 - 185
Iodomethane (methyl iodide)	45.5	µg/L	1	50.0	<0.112	91	80.9 - 112
Carbon Disulfide	48.0	µg/L	1	50.0	<0.0764	96	73.7 - 120
Acrylonitrile	55.4	µg/L	1	50.0	<0.184	111	75.8 - 121
2-Butanone (MEK)	40.0	µg/L	1	50.0	<0.394	80	43.7 - 117
4-Methyl-2-pentanone (MIBK)	47.5	µg/L	1	50.0	<0.484	95	69.3 - 120
2-Hexanone	50.5	µg/L	1	50.0	<0.0975	101	35.6 - 138
trans 1,4-Dichloro-2-butene	39.2	µg/L	1	50.0	<0.420	78	40 - 128
1,1-Dichloroethene	47.6	µg/L	1	50.0	<0.0736	95	83.4 - 114
Methylene chloride	47.4	µg/L	1	50.0	<0.689	95	62.6 - 119
MTBE	49.7	µg/L	1	50.0	<0.0504	99	70 - 132
trans-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.0598	102	83.3 - 114

continued . . .

control spikes continued . . .

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethane		46.8	µg/L	1	50.0	<0.0299	94	87.8 - 113
cis-1,2-Dichloroethene		49.2	µg/L	1	50.0	<0.101	98	83.8 - 115
2,2-Dichloropropane		23.2	µg/L	1	50.0	<0.0665	46	37.9 - 136
1,2-Dichloroethane (EDC)		48.2	µg/L	1	50.0	<0.0557	96	82.6 - 122
Chloroform		47.5	µg/L	1	50.0	<0.0475	95	84.8 - 116
1,1,1-Trichloroethane		46.7	µg/L	1	50.0	<0.0846	93	72.9 - 123
1,1-Dichloropropene		48.5	µg/L	1	50.0	<0.0423	97	85.9 - 119
Benzene		48.7	µg/L	1	50.0	<0.0495	97	83.5 - 115
Carbon Tetrachloride		44.5	µg/L	1	50.0	<0.121	89	62.7 - 144
1,2-Dichloropropane		49.7	µg/L	1	50.0	<0.0933	99	88.8 - 114
Trichloroethene (TCE)	[1]	44.0	µg/L	1	50.0	<0.0495	88	91.3 - 111
Dibromomethane (methylene bromide)		47.4	µg/L	1	50.0	<0.0640	95	84.2 - 118
Bromodichloromethane		49.7	µg/L	1	50.0	<0.0651	99	79.5 - 127
2-Chloroethyl vinyl ether		49.7	µg/L	1	50.0	<0.0905	99	75.1 - 128
cis-1,3-Dichloropropene		43.7	µg/L	1	50.0	<0.0640	87	83.2 - 119
trans-1,3-Dichloropropene		46.0	µg/L	1	50.0	<0.0504	92	77.4 - 126
Toluene		47.1	µg/L	1	50.0	<0.0736	94	82 - 110
1,1,2-Trichloroethane		48.5	µg/L	1	50.0	<0.106	97	77 - 123
1,3-Dichloropropane		49.5	µg/L	1	50.0	<0.0625	99	81.1 - 124
Dibromochloromethane		48.8	µg/L	1	50.0	<0.0791	98	79 - 129
1,2-Dibromoethane (EDB)		48.6	µg/L	1	50.0	<0.0460	97	78.6 - 126
Tetrachloroethene (PCE)		43.6	µg/L	1	50.0	<0.0696	87	36.7 - 173
Chlorobenzene		44.9	µg/L	1	50.0	<0.0217	90	87.9 - 109
1,1,1,2-Tetrachloroethane		49.1	µg/L	1	50.0	<0.125	98	80.5 - 125
Ethylbenzene		50.0	µg/L	1	50.0	<0.0566	100	82.4 - 116
m,p-Xylene		101	µg/L	1	100	<0.0363	101	80.5 - 118
Bromoform		46.3	µg/L	1	50.0	<0.0859	93	75.8 - 132
Styrene		51.8	µg/L	1	50.0	<0.0394	104	84.2 - 117
o-Xylene		51.5	µg/L	1	50.0	<0.0505	103	82.1 - 119
1,1,2,2-Tetrachloroethane		50.4	µg/L	1	50.0	<0.0672	101	69.7 - 124
2-Chlorotoluene		48.3	µg/L	1	50.0	<0.0283	97	76.5 - 123
1,2,3-Trichloropropane		45.7	µg/L	1	50.0	<0.0679	91	66.3 - 130
Isopropylbenzene		47.8	µg/L	1	50.0	<0.0406	96	78.3 - 123
Bromobenzene		47.2	µg/L	1	50.0	<0.103	94	79.9 - 122
n-Propylbenzene		45.9	µg/L	1	50.0	<0.0423	92	72.6 - 122
1,3,5-Trimethylbenzene		47.3	µg/L	1	50.0	<0.0557	95	69.6 - 127
tert-Butylbenzene		44.7	µg/L	1	50.0	<0.0770	89	64 - 129
1,2,4-Trimethylbenzene		47.4	µg/L	1	50.0	<0.0336	95	71 - 123
1,4-Dichlorobenzene (para)		44.4	µg/L	1	50.0	<0.0672	89	74 - 118
sec-Butylbenzene		43.7	µg/L	1	50.0	<0.0439	87	59.8 - 129
1,3-Dichlorobenzene (meta)		46.3	µg/L	1	50.0	<0.0672	93	80.2 - 119
p-Isopropyltoluene		43.4	µg/L	1	50.0	<0.0513	87	54.8 - 135
4-Chlorotoluene		47.5	µg/L	1	50.0	<0.0460	95	78.9 - 124
1,2-Dichlorobenzene (ortho)		47.3	µg/L	1	50.0	<0.0629	95	80 - 120
n-Butylbenzene		41.3	µg/L	1	50.0	<0.0400	83	51.1 - 136
1,2-Dibromo-3-chloropropane		44.6	µg/L	1	50.0	<0.538	89	38.2 - 151
1,2,3-Trichlorobenzene		35.6	µg/L	1	50.0	<0.504	71	25.4 - 158
1,2,4-Trichlorobenzene		34.9	µg/L	1	50.0	<0.166	70	38.2 - 140
Naphthalene		38.6	µg/L	1	50.0	<0.417	77	33.3 - 152

continued . . .

[1]Spike recovery out of control limits. Remaining analyte recoveries within limits showing analysis to be in control. •

control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexachlorobutadiene	35.4	µg/L	1	50.0	<0.176	71	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		47.4	µg/L	1	50.0	<0.0699	95	85.7 - 113	2	20
Dichlorodifluoromethane		38.1	µg/L	1	50.0	<0.0598	76	60.3 - 134	5	20
Chloromethane (methyl chloride)		51.2	µg/L	1	50.0	<0.230	102	72 - 120	2	20
Vinyl Chloride		51.9	µg/L	1	50.0	<0.0902	104	64.4 - 132	3	20
Bromomethane (methyl bromide)		55.7	µg/L	1	50.0	<0.740	111	65.9 - 133	9	20
Chloroethane		57.4	µg/L	1	50.0	<0.195	115	65.3 - 132	8	20
Trichlorofluoromethane		52.8	µg/L	1	50.0	<0.160	106	52.7 - 159	6	20
Acetone		49.8	µg/L	1	50.0	<0.854	100	10 - 185	4	20
Iodomethane (methyl iodide)		45.1	µg/L	1	50.0	<0.112	90	80.9 - 112	1	20
Carbon Disulfide		46.0	µg/L	1	50.0	<0.0764	92	73.7 - 120	4	20
Acrylonitrile		54.2	µg/L	1	50.0	<0.184	108	75.8 - 121	2	20
2-Butanone (MEK)		41.5	µg/L	1	50.0	<0.394	83	43.7 - 117	4	20
4-Methyl-2-pentanone (MIBK)		47.8	µg/L	1	50.0	<0.484	96	69.3 - 120	1	20
2-Hexanone		49.6	µg/L	1	50.0	<0.0975	99	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene		37.7	µg/L	1	50.0	<0.420	75	40 - 128	4	20
1,1-Dichloroethene		46.3	µg/L	1	50.0	<0.0736	93	83.4 - 114	3	20
Methylene chloride		47.2	µg/L	1	50.0	<0.689	94	62.6 - 119	0	20
MTBE		50.2	µg/L	1	50.0	<0.0504	100	70 - 132	1	20
trans-1,2-Dichloroethene		48.6	µg/L	1	50.0	<0.0598	97	83.3 - 114	4	20
1,1-Dichloroethane		46.3	µg/L	1	50.0	<0.0299	93	87.8 - 113	1	20
cis-1,2-Dichloroethene		48.4	µg/L	1	50.0	<0.101	97	83.8 - 115	2	20
2,2-Dichloropropane		22.2	µg/L	1	50.0	<0.0665	44	37.9 - 136	4	20
1,2-Dichloroethane (EDC)		47.5	µg/L	1	50.0	<0.0557	95	82.6 - 122	2	20
Chloroform		45.7	µg/L	1	50.0	<0.0475	91	84.8 - 116	4	20
1,1,1-Trichloroethane		45.0	µg/L	1	50.0	<0.0846	90	72.9 - 123	4	20
1,1-Dichloropropene		47.0	µg/L	1	50.0	<0.0423	94	85.9 - 119	3	20
Benzene		47.6	µg/L	1	50.0	<0.0495	95	83.5 - 115	2	20
Carbon Tetrachloride		43.2	µg/L	1	50.0	<0.121	86	62.7 - 144	3	20
1,2-Dichloropropane		49.5	µg/L	1	50.0	<0.0933	99	88.8 - 114	0	20
Trichloroethene (TCE)	[2]	42.8	µg/L	1	50.0	<0.0495	86	91.3 - 111	3	20
Dibromomethane (methylene bromide)		46.6	µg/L	1	50.0	<0.0640	93	84.2 - 118	2	20
Bromodichloromethane		49.6	µg/L	1	50.0	<0.0651	99	79.5 - 127	0	20
2-Chloroethyl vinyl ether		49.5	µg/L	1	50.0	<0.0905	99	75.1 - 128	0	20
cis-1,3-Dichloropropene		43.2	µg/L	1	50.0	<0.0640	86	83.2 - 119	1	20
trans-1,3-Dichloropropene		45.0	µg/L	1	50.0	<0.0504	90	77.4 - 126	2	20
Toluene		45.8	µg/L	1	50.0	<0.0736	92	82 - 110	3	20
1,1,2-Trichloroethane		48.4	µg/L	1	50.0	<0.106	97	77 - 123	0	20
1,3-Dichloropropane		48.8	µg/L	1	50.0	<0.0625	98	81.1 - 124	1	20
Dibromochloromethane		48.6	µg/L	1	50.0	<0.0791	97	79 - 129	0	20
1,2-Dibromoethane (EDB)		48.6	µg/L	1	50.0	<0.0460	97	78.6 - 126	0	20
Tetrachloroethene (PCE)		42.8	µg/L	1	50.0	<0.0696	86	36.7 - 173	2	20
Chlorobenzene	[3]	43.3	µg/L	1	50.0	<0.0217	87	87.9 - 109	4	20
1,1,1,2-Tetrachloroethane		48.0	µg/L	1	50.0	<0.125	96	80.5 - 125	2	20

continued . . .

[2]Spike recovery out of control limits. Remaining analyte recoveries within limits showing analysis to be in control. •
[3]Spike recovery out of control limits. Remaining analyte recoveries within limits showing analysis to be in control. •

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	48.1	µg/L	1	50.0	<0.0566	96	82.4 - 116	4	20
m,p-Xylene	96.4	µg/L	1	100	<0.0363	96	80.5 - 118	5	20
Bromoform	45.1	µg/L	1	50.0	<0.0859	90	75.8 - 132	3	20
Styrene	48.7	µg/L	1	50.0	<0.0394	97	84.2 - 117	6	20
o-Xylene	49.4	µg/L	1	50.0	<0.0505	99	82.1 - 119	4	20
1,1,2,2-Tetrachloroethane	49.7	µg/L	1	50.0	<0.0672	99	69.7 - 124	1	20
2-Chlorotoluene	47.4	µg/L	1	50.0	<0.0283	95	76.5 - 123	2	20
1,2,3-Trichloropropane	46.2	µg/L	1	50.0	<0.0679	92	66.3 - 130	1	20
Isopropylbenzene	47.1	µg/L	1	50.0	<0.0406	94	78.3 - 123	2	20
Bromobenzene	47.2	µg/L	1	50.0	<0.103	94	79.9 - 122	0	20
n-Propylbenzene	45.3	µg/L	1	50.0	<0.0423	91	72.6 - 122	1	20
1,3,5-Trimethylbenzene	46.1	µg/L	1	50.0	<0.0557	92	69.6 - 127	3	20
tert-Butylbenzene	44.0	µg/L	1	50.0	<0.0770	88	64 - 129	2	20
1,2,4-Trimethylbenzene	46.4	µg/L	1	50.0	<0.0336	93	71 - 123	2	20
1,4-Dichlorobenzene (para)	43.7	µg/L	1	50.0	<0.0672	87	74 - 118	2	20
sec-Butylbenzene	43.1	µg/L	1	50.0	<0.0439	86	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	45.1	µg/L	1	50.0	<0.0672	90	80.2 - 119	3	20
p-Isopropyltoluene	42.6	µg/L	1	50.0	<0.0513	85	54.8 - 135	2	20
4-Chlorotoluene	46.7	µg/L	1	50.0	<0.0460	93	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	46.4	µg/L	1	50.0	<0.0629	93	80 - 120	2	20
n-Butylbenzene	40.3	µg/L	1	50.0	<0.0400	81	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane	44.3	µg/L	1	50.0	<0.538	89	38.2 - 151	1	20
1,2,3-Trichlorobenzene	38.9	µg/L	1	50.0	<0.504	78	25.4 - 158	9	20
1,2,4-Trichlorobenzene	35.3	µg/L	1	50.0	<0.166	71	38.2 - 140	1	20
Naphthalene	44.4	µg/L	1	50.0	<0.417	89	33.3 - 152	14	20
Hexachlorobutadiene	34.1	µg/L	1	50.0	<0.176	68	49.1 - 134	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.0	48.2	µg/L	1	50.0	98	96	82.4 - 115
Toluene-d8	48.1	47.9	µg/L	1	50.0	96	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.4	47.8	µg/L	1	50.0	97	96	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 120665

QC Batch: 36210 | Date Analyzed: 2007-04-05 | Analyzed By: TP
Prep Batch: 31411 | QC Preparation: 2007-04-05 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	77.5 - 108.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000980	mg/L	1	0.00100	<0.0000336	98	77.5 - 108.9	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120762

QC Batch: 36289 | Date Analyzed: 2007-04-09 | Analyzed By: RR
Prep Batch: 31457 | QC Preparation: 2007-04-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.115	mg/L	1	0.125	<0.00210	92	88.2 - 114
Total Arsenic	0.544	mg/L	1	0.500	<0.00440	109	75.9 - 116
Total Barium	0.868	mg/L	1	1.00	0.013	86	64.9 - 129
Total Cadmium	0.226	mg/L	1	0.250	<0.00140	90	66.5 - 121
Total Chromium	0.118	mg/L	1	0.100	0.023	95	69.2 - 129
Total Lead	0.421	mg/L	1	0.500	<0.00740	84	71.9 - 115
Total Selenium	0.450	mg/L	1	0.500	<0.0131	90	66.8 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.111	mg/L	1	0.125	<0.00210	89	88.2 - 114	4	20
Total Arsenic	0.486	mg/L	1	0.500	<0.00440	97	75.9 - 116	11	20
Total Barium	0.872	mg/L	1	1.00	0.013	86	64.9 - 129	0	20
Total Cadmium	0.227	mg/L	1	0.250	<0.00140	91	66.5 - 121	0	20
Total Chromium	0.119	mg/L	1	0.100	0.023	96	69.2 - 129	1	20
Total Lead	0.416	mg/L	1	0.500	<0.00740	83	71.9 - 115	1	20
Total Selenium	0.422	mg/L	1	0.500	<0.0131	84	66.8 - 116	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 120665

QC Batch: 36292 | Date Analyzed: 2007-04-06 | Analyzed By: JG
Prep Batch: 31487 | QC Preparation: 2007-04-06 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	48.3	µg/L	1	50.0	<0.0699	97	82.5 - 118
Dichlorodifluoromethane	35.2	µg/L	1	50.0	<0.0598	70	46.8 - 125
Chloromethane (methyl chloride)	47.0	µg/L	1	50.0	<0.230	94	67.1 - 127
Vinyl Chloride	47.3	µg/L	1	50.0	<0.0902	95	63.7 - 129
Bromomethane (methyl bromide)	49.4	µg/L	1	50.0	<0.740	99	65.7 - 127
Chloroethane	52.0	µg/L	1	50.0	<0.195	104	69.9 - 131
Trichlorofluoromethane	50.4	µg/L	1	50.0	<0.160	101	60.2 - 134
Acetone	42.8	µg/L	1	50.0	<0.854	86	12.1 - 136
Iodomethane (methyl iodide)	45.6	µg/L	1	50.0	<0.112	91	75.7 - 115
Carbon Disulfide	48.5	µg/L	1	50.0	<0.0764	97	67.6 - 131
Acrylonitrile	55.2	µg/L	1	50.0	<0.184	110	79.9 - 131
2-Butanone (MEK)	42.3	µg/L	1	50.0	<0.394	85	28.7 - 137
4-Methyl-2-pentanone (MIBK)	53.0	µg/L	1	50.0	<0.484	106	77.1 - 122
2-Hexanone	56.2	µg/L	1	50.0	<0.0975	112	42.3 - 145
trans 1,4-Dichloro-2-butene	37.0	µg/L	1	50.0	<0.421	74	38.5 - 122
1,1-Dichloroethene	48.0	µg/L	1	50.0	<0.0736	96	78.7 - 119
Methylene chloride	47.3	µg/L	1	50.0	<0.689	95	64.9 - 121

continued . . .

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	51.4	µg/L	1	50.0	<0.0504	103	46.6 - 162
trans-1,2-Dichloroethene	50.2	µg/L	1	50.0	<0.0598	100	75.1 - 119
1,1-Dichloroethane	47.1	µg/L	1	50.0	<0.0299	94	86.3 - 119
cis-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.101	100	82.6 - 116
2,2-Dichloropropane	20.6	µg/L	1	50.0	<0.0665	41	7.8 - 109
1,2-Dichloroethane (EDC)	48.0	µg/L	1	50.0	<0.0557	96	82.7 - 130
Chloroform	46.5	µg/L	1	50.0	<0.0475	93	83.6 - 119
1,1,1-Trichloroethane	46.6	µg/L	1	50.0	<0.0846	93	69.6 - 126
1,1-Dichloropropene	48.9	µg/L	1	50.0	<0.0423	98	79.2 - 121
Benzene	48.4	µg/L	1	50.0	<0.0495	97	75.8 - 125
Carbon Tetrachloride	43.9	µg/L	1	50.0	<0.121	88	58.7 - 143
1,2-Dichloropropane	49.2	µg/L	1	50.0	<0.0933	98	88.4 - 117
Trichloroethene (TCE)	44.1	µg/L	1	50.0	<0.0495	88	83.6 - 112
Dibromomethane (methylene bromide)	46.9	µg/L	1	50.0	<0.0640	94	90.7 - 117
Bromodichloromethane	49.5	µg/L	1	50.0	<0.0651	99	83.4 - 127
2-Chloroethyl vinyl ether	49.2	µg/L	1	50.0	<0.0905	98	10 - 211
cis-1,3-Dichloropropene	43.0	µg/L	1	50.0	<0.0640	86	78.6 - 113
trans-1,3-Dichloropropene	45.0	µg/L	1	50.0	<0.0504	90	81.8 - 113
Toluene	45.6	µg/L	1	50.0	<0.0736	91	81.6 - 115
1,1,2-Trichloroethane	48.5	µg/L	1	50.0	<0.106	97	83.2 - 122
1,3-Dichloropropane	49.0	µg/L	1	50.0	<0.0625	98	87.3 - 123
Dibromochloromethane	49.3	µg/L	1	50.0	<0.0791	99	81.4 - 130
1,2-Dibromoethane (EDB)	49.5	µg/L	1	50.0	<0.0460	99	91.4 - 118
Tetrachloroethene (PCE)	40.8	µg/L	1	50.0	<0.0696	82	51.8 - 111
Chlorobenzene	44.2	µg/L	1	50.0	<0.0217	88	83.9 - 113
1,1,1,2-Tetrachloroethane	48.0	µg/L	1	50.0	<0.125	96	79.5 - 127
Ethylbenzene	49.1	µg/L	1	50.0	<0.0566	98	75.4 - 121
m,p-Xylene	98.4	µg/L	1	100	<0.0363	98	74 - 124
Bromoform	46.4	µg/L	1	50.0	<0.0859	93	77.5 - 134
Styrene	42.8	µg/L	1	50.0	<0.0394	86	10 - 180
o-Xylene	50.0	µg/L	1	50.0	<0.0504	100	75.4 - 126
1,1,2,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.0672	101	86.4 - 122
2-Chlorotoluene	49.6	µg/L	1	50.0	<0.0283	99	69.2 - 128
1,2,3-Trichloropropane	47.6	µg/L	1	50.0	<0.0679	95	75.8 - 121
Isopropylbenzene	48.8	µg/L	1	50.0	<0.0406	98	69.6 - 127
Bromobenzene	48.8	µg/L	1	50.0	<0.103	98	77.1 - 125
n-Propylbenzene	47.4	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	47.3	µg/L	1	50.0	<0.0557	95	66.1 - 126
tert-Butylbenzene	45.3	µg/L	1	50.0	<0.0770	91	63.9 - 126
1,2,4-Trimethylbenzene	45.2	µg/L	1	50.0	<0.0336	90	65 - 123
1,4-Dichlorobenzene (para)	45.6	µg/L	1	50.0	<0.0672	91	66.7 - 119
sec-Butylbenzene	44.9	µg/L	1	50.0	<0.0439	90	57.6 - 127
1,3-Dichlorobenzene (meta)	46.8	µg/L	1	50.0	<0.0672	94	78.8 - 118
p-Isopropyltoluene	44.3	µg/L	1	50.0	<0.0513	89	56.6 - 128
4-Chlorotoluene	49.0	µg/L	1	50.0	<0.0460	98	74 - 127
1,2-Dichlorobenzene (ortho)	47.6	µg/L	1	50.0	<0.0629	95	81.2 - 119
n-Butylbenzene	43.6	µg/L	1	50.0	<0.0400	87	50.4 - 130
1,2-Dibromo-3-chloropropane	46.3	µg/L	1	50.0	<0.538	93	55.7 - 152
1,2,3-Trichlorobenzene	43.0	µg/L	1	50.0	<0.504	86	32.6 - 149
1,2,4-Trichlorobenzene	38.2	µg/L	1	50.0	<0.166	76	35.8 - 144

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	45.7	µg/L	1	50.0	<0.417	91	36.7 - 156
Hexachlorobutadiene	40.1	µg/L	1	50.0	<0.176	80	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	45.2	µg/L	1	50.0	<0.0699	90	82.5 - 118	7	20
Dichlorodifluoromethane	35.3	µg/L	1	50.0	<0.0598	71	46.8 - 125	0	20
Chloromethane (methyl chloride)	45.8	µg/L	1	50.0	<0.230	92	67.1 - 127	3	20
Vinyl Chloride	45.9	µg/L	1	50.0	<0.0902	92	63.7 - 129	3	20
Bromomethane (methyl bromide)	48.3	µg/L	1	50.0	<0.740	97	65.7 - 127	2	20
Chloroethane	50.2	µg/L	1	50.0	<0.195	100	69.9 - 131	4	20
Trichlorofluoromethane	50.0	µg/L	1	50.0	<0.160	100	60.2 - 134	1	20
Acetone	40.4	µg/L	1	50.0	<0.854	81	12.1 - 136	6	20
Iodomethane (methyl iodide)	43.6	µg/L	1	50.0	<0.112	87	75.7 - 115	4	20
Carbon Disulfide	45.8	µg/L	1	50.0	<0.0764	92	67.6 - 131	6	20
Acrylonitrile	51.5	µg/L	1	50.0	<0.184	103	79.9 - 131	7	20
2-Butanone (MEK)	39.5	µg/L	1	50.0	<0.394	79	28.7 - 137	7	20
4-Methyl-2-pentanone (MIBK)	49.0	µg/L	1	50.0	<0.484	98	77.1 - 122	8	20
2-Hexanone	50.7	µg/L	1	50.0	<0.0975	101	42.3 - 145	10	20
trans 1,4-Dichloro-2-butene [4]	33.8	µg/L	1	50.0	<0.421	68	38.5 - 122	9	20
1,1-Dichloroethene	44.5	µg/L	1	50.0	<0.0736	89	78.7 - 119	8	20
Methylene chloride	44.3	µg/L	1	50.0	<0.689	89	64.9 - 121	7	20
MTBE	48.1	µg/L	1	50.0	<0.0504	96	46.6 - 162	7	20
trans-1,2-Dichloroethene	47.3	µg/L	1	50.0	<0.0598	95	75.1 - 119	6	20
1,1-Dichloroethane	44.5	µg/L	1	50.0	<0.0299	89	86.3 - 119	6	20
cis-1,2-Dichloroethene	46.9	µg/L	1	50.0	<0.101	94	82.6 - 116	6	20
2,2-Dichloropropane [5]	18.9	µg/L	1	50.0	<0.0665	38	7.8 - 109	9	20
1,2-Dichloroethane (EDC)	45.4	µg/L	1	50.0	<0.0557	91	82.7 - 130	6	20
Chloroform	44.0	µg/L	1	50.0	<0.0475	88	83.6 - 119	6	20
1,1,1-Trichloroethane	43.4	µg/L	1	50.0	<0.0846	87	69.6 - 126	7	20
1,1-Dichloropropene	46.1	µg/L	1	50.0	<0.0423	92	79.2 - 121	6	20
Benzene	45.7	µg/L	1	50.0	<0.0495	91	75.8 - 125	6	20
Carbon Tetrachloride	41.4	µg/L	1	50.0	<0.121	83	58.7 - 143	6	20
1,2-Dichloropropane	46.0	µg/L	1	50.0	<0.0933	92	88.4 - 117	7	20
Trichloroethene (TCE)	41.9	µg/L	1	50.0	<0.0495	84	83.6 - 112	5	20
Dibromomethane (methylene bromide)	44.4	µg/L	1	50.0	<0.0640	89	90.7 - 117	6	20
Bromodichloromethane	47.3	µg/L	1	50.0	<0.0651	95	83.4 - 127	4	20
2-Chloroethyl vinyl ether	46.0	µg/L	1	50.0	<0.0905	92	10 - 211	7	20
cis-1,3-Dichloropropene	40.1	µg/L	1	50.0	<0.0640	80	78.6 - 113	7	20
trans-1,3-Dichloropropene	41.6	µg/L	1	50.0	<0.0504	83	81.8 - 113	8	20
Toluene	42.9	µg/L	1	50.0	<0.0736	86	81.6 - 115	6	20
1,1,2-Trichloroethane	46.2	µg/L	1	50.0	<0.106	92	83.2 - 122	5	20
1,3-Dichloropropane	46.7	µg/L	1	50.0	<0.0625	93	87.3 - 123	5	20
Dibromochloromethane	46.7	µg/L	1	50.0	<0.0791	93	81.4 - 130	5	20
1,2-Dibromoethane (EDB)	47.0	µg/L	1	50.0	<0.0460	94	91.4 - 118	5	20
Tetrachloroethene (PCE)	38.2	µg/L	1	50.0	<0.0696	76	51.8 - 111	7	20
Chlorobenzene	41.6	µg/L	1	50.0	<0.0217	83	83.9 - 113	6	20

continued ...

[4]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[5]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	45.2	µg/L	1	50.0	<0.125	90	79.5 - 127	6	20
Ethylbenzene	46.1	µg/L	1	50.0	<0.0566	92	75.4 - 121	6	20
m,p-Xylene	92.1	µg/L	1	100	<0.0363	92	74 - 124	7	20
Bromoform	43.2	µg/L	1	50.0	<0.0859	86	77.5 - 134	7	20
Styrene	41.8	µg/L	1	50.0	<0.0394	84	10 - 180	2	20
o-Xylene	47.0	µg/L	1	50.0	<0.0504	94	75.4 - 126	6	20
1,1,2,2-Tetrachloroethane	46.8	µg/L	1	50.0	<0.0672	94	86.4 - 122	7	20
2-Chlorotoluene	46.5	µg/L	1	50.0	<0.0283	93	69.2 - 128	6	20
1,2,3-Trichloropropane	44.3	µg/L	1	50.0	<0.0679	89	75.8 - 121	7	20
Isopropylbenzene	46.2	µg/L	1	50.0	<0.0406	92	69.6 - 127	6	20
Bromobenzene	45.7	µg/L	1	50.0	<0.103	91	77.1 - 125	7	20
n-Propylbenzene	44.8	µg/L	1	50.0	<0.0423	90	67.1 - 125	6	20
1,3,5-Trimethylbenzene	44.6	µg/L	1	50.0	<0.0557	89	66.1 - 126	6	20
tert-Butylbenzene	42.6	µg/L	1	50.0	<0.0770	85	63.9 - 126	6	20
1,2,4-Trimethylbenzene	43.2	µg/L	1	50.0	<0.0336	86	65 - 123	4	20
1,4-Dichlorobenzene (para)	42.6	µg/L	1	50.0	<0.0672	85	66.7 - 119	7	20
sec-Butylbenzene	42.2	µg/L	1	50.0	<0.0439	84	57.6 - 127	6	20
1,3-Dichlorobenzene (meta)	44.2	µg/L	1	50.0	<0.0672	88	78.8 - 118	6	20
p-Isopropyltoluene	41.6	µg/L	1	50.0	<0.0513	83	56.6 - 128	6	20
4-Chlorotoluene	46.2	µg/L	1	50.0	<0.0460	92	74 - 127	6	20
1,2-Dichlorobenzene (ortho)	45.0	µg/L	1	50.0	<0.0629	90	81.2 - 119	6	20
n-Butylbenzene	41.4	µg/L	1	50.0	<0.0400	83	50.4 - 130	5	20
1,2-Dibromo-3-chloropropane	43.1	µg/L	1	50.0	<0.538	86	55.7 - 152	7	20
1,2,3-Trichlorobenzene	41.0	µg/L	1	50.0	<0.504	82	32.6 - 149	5	20
1,2,4-Trichlorobenzene	36.2	µg/L	1	50.0	<0.166	72	35.8 - 144	5	20
Naphthalene	43.7	µg/L	1	50.0	<0.417	87	36.7 - 156	4	20
Hexachlorobutadiene	37.8	µg/L	1	50.0	<0.176	76	39.6 - 125	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	48.3	47.5	µg/L	1	50	97	95	86.6 - 114
Toluene-d8	47.5	47.3	µg/L	1	50	95	95	91 - 109
4-Bromofluorobenzene (4-BFB)	47.8	47.4	µg/L	1	50	96	95	87.2 - 113

Standard (ICV-1)

QC Batch: 36210 Date Analyzed: 2007-04-05 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2007-04-05

Standard (CCV-1)

QC Batch: 36210 Date Analyzed: 2007-04-05 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2007-04-05

Standard (ICV-1)

QC Batch: 36289 Date Analyzed: 2007-04-09 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.124	99	90 - 110	2007-04-09
Total Arsenic		mg/L	1.00	1.01	101	90 - 110	2007-04-09
Total Barium		mg/L	1.00	1.00	100	90 - 110	2007-04-09
Total Cadmium		mg/L	1.00	1.05	105	90 - 110	2007-04-09
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2007-04-09
Total Lead		mg/L	1.00	1.02	102	90 - 110	2007-04-09
Total Selenium		mg/L	1.00	1.06	106	90 - 110	2007-04-09

Standard (CCV-1)

QC Batch: 36289 Date Analyzed: 2007-04-09 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.131	105	90 - 110	2007-04-09
Total Arsenic		mg/L	1.00	0.983	98	90 - 110	2007-04-09
Total Barium		mg/L	1.00	1.04	104	90 - 110	2007-04-09
Total Cadmium		mg/L	1.00	1.07	107	90 - 110	2007-04-09
Total Chromium		mg/L	1.00	1.09	109	90 - 110	2007-04-09
Total Lead		mg/L	1.00	1.04	104	90 - 110	2007-04-09
Total Selenium		mg/L	1.00	1.04	104	90 - 110	2007-04-09

Standard (CCV-1)

QC Batch: 36292 Date Analyzed: 2007-04-06 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.2	96	70 - 130	2007-04-06
Dichlorodifluoromethane		µg/L	50.0	40.0	80	70 - 130	2007-04-06
Chloromethane (methyl chloride)		µg/L	50.0	45.1	90	70 - 130	2007-04-06
Vinyl Chloride		µg/L	50.0	45.9	92	80 - 120	2007-04-06
Bromomethane (methyl bromide)		µg/L	50.0	48.2	96	70 - 130	2007-04-06
Chloroethane		µg/L	50.0	48.7	97	70 - 130	2007-04-06
Trichlorofluoromethane		µg/L	50.0	54.4	109	70 - 130	2007-04-06
Acetone		µg/L	50.0	54.5	109	70 - 130	2007-04-06
Iodomethane (methyl iodide)		µg/L	50.0	46.8	94	70 - 130	2007-04-06

continued . . .

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Carbon Disulfide		µg/L	50.0	48.5	97	70 - 130	2007-04-06
Acrylonitrile		µg/L	50.0	56.0	112	70 - 130	2007-04-06
2-Butanone (MEK)		µg/L	50.0	50.9	102	70 - 130	2007-04-06
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.2	104	70 - 130	2007-04-06
2-Hexanone		µg/L	50.0	55.2	110	70 - 130	2007-04-06
trans 1,4-Dichloro-2-butene		µg/L	50.0	51.1	102	70 - 130	2007-04-06
1,1-Dichloroethene		µg/L	50.0	48.8	98	80 - 120	2007-04-06
Methylene chloride		µg/L	50.0	47.7	95	70 - 130	2007-04-06
MTBE		µg/L	50.0	52.3	105	70 - 130	2007-04-06
trans-1,2-Dichloroethene		µg/L	50.0	51.1	102	70 - 130	2007-04-06
1,1-Dichloroethane		µg/L	50.0	47.8	96	70 - 130	2007-04-06
cis-1,2-Dichloroethene		µg/L	50.0	51.1	102	70 - 130	2007-04-06
2,2-Dichloropropane		µg/L	50.0	48.9	98	70 - 130	2007-04-06
1,2-Dichloroethane (EDC)		µg/L	50.0	48.4	97	70 - 130	2007-04-06
Chloroform		µg/L	50.0	46.8	94	80 - 120	2007-04-06
1,1,1-Trichloroethane		µg/L	50.0	47.3	95	70 - 130	2007-04-06
1,1-Dichloropropene		µg/L	50.0	50.9	102	70 - 130	2007-04-06
Benzene		µg/L	50.0	49.3	99	70 - 130	2007-04-06
Carbon Tetrachloride		µg/L	50.0	45.7	91	70 - 130	2007-04-06
1,2-Dichloropropane		µg/L	50.0	50.3	101	80 - 120	2007-04-06
Trichloroethene (TCE)		µg/L	50.0	45.5	91	70 - 130	2007-04-06
Dibromomethane (methylene bromide)		µg/L	50.0	48.3	97	70 - 130	2007-04-06
Bromodichloromethane		µg/L	50.0	50.8	102	70 - 130	2007-04-06
2-Chloroethyl vinyl ether		µg/L	50.0	50.3	101	70 - 130	2007-04-06
cis-1,3-Dichloropropene		µg/L	50.0	50.5	101	70 - 130	2007-04-06
trans-1,3-Dichloropropene		µg/L	50.0	52.4	105	70 - 130	2007-04-06
Toluene		µg/L	50.0	47.2	94	80 - 120	2007-04-06
1,1,2-Trichloroethane		µg/L	50.0	49.6	99	70 - 130	2007-04-06
1,3-Dichloropropane		µg/L	50.0	50.5	101	70 - 130	2007-04-06
Dibromochloromethane		µg/L	50.0	50.2	100	70 - 130	2007-04-06
1,2-Dibromoethane (EDB)		µg/L	50.0	50.9	102	70 - 130	2007-04-06
Tetrachloroethene (PCE)		µg/L	50.0	42.5	85	70 - 130	2007-04-06
Chlorobenzene		µg/L	50.0	45.3	91	80 - 120	2007-04-06
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.2	98	70 - 130	2007-04-06
Ethylbenzene		µg/L	50.0	50.5	101	80 - 120	2007-04-06
m,p-Xylene		µg/L	50.0	101	202	140 - 260	2007-04-06
Bromoform		µg/L	50.0	47.3	95	70 - 130	2007-04-06
Styrene		µg/L	50.0	52.7	105	70 - 130	2007-04-06
o-Xylene		µg/L	50.0	51.4	103	70 - 130	2007-04-06
1,1,2,2-Tetrachloroethane		µg/L	50.0	51.8	104	70 - 130	2007-04-06
2-Chlorotoluene		µg/L	50.0	50.7	101	70 - 130	2007-04-06
1,2,3-Trichloropropane		µg/L	50.0	52.7	105	70 - 130	2007-04-06
Isopropylbenzene		µg/L	50.0	50.9	102	70 - 130	2007-04-06
Bromobenzene		µg/L	50.0	51.2	102	70 - 130	2007-04-06
n-Propylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-04-06
1,3,5-Trimethylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-04-06
tert-Butylbenzene		µg/L	50.0	47.4	95	70 - 130	2007-04-06
1,2,4-Trimethylbenzene		µg/L	50.0	50.0	100	70 - 130	2007-04-06
1,4-Dichlorobenzene (para)		µg/L	50.0	47.2	94	70 - 130	2007-04-06

continued . . .

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
sec-Butylbenzene		µg/L	50.0	46.8	94	70 - 130	2007-04-06
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.3	97	70 - 130	2007-04-06
p-Isopropyltoluene		µg/L	50.0	47.1	94	70 - 130	2007-04-06
4-Chlorotoluene		µg/L	50.0	50.7	101	70 - 130	2007-04-06
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.2	98	70 - 130	2007-04-06
n-Butylbenzene		µg/L	50.0	46.3	93	70 - 130	2007-04-06
1,2-Dibromo-3-chloropropane		µg/L	50.0	49.9	100	70 - 130	2007-04-06
1,2,3-Trichlorobenzene		µg/L	50.0	40.1	80	70 - 130	2007-04-06
1,2,4-Trichlorobenzene		µg/L	50.0	40.0	80	70 - 130	2007-04-06
Naphthalene		µg/L	50.0	44.0	88	70 - 130	2007-04-06
Hexachlorobutadiene		µg/L	50.0	42.2	84	70 - 130	2007-04-06

Standard (CCV-2)

QC Batch: 36292 Date Analyzed: 2007-04-06 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.2	96	70 - 130	2007-04-06
Dichlorodifluoromethane		µg/L	50.0	37.0	74	70 - 130	2007-04-06
Chloromethane (methyl chloride)		µg/L	50.0	53.9	108	70 - 130	2007-04-06
Vinyl Chloride		µg/L	50.0	55.8	112	80 - 120	2007-04-06
Bromomethane (methyl bromide)		µg/L	50.0	63.0	126	70 - 130	2007-04-06
Chloroethane		µg/L	50.0	64.0	128	70 - 130	2007-04-06
Trichlorofluoromethane		µg/L	50.0	56.6	113	70 - 130	2007-04-06
Acetone		µg/L	50.0	47.3	95	70 - 130	2007-04-06
Iodomethane (methyl iodide)		µg/L	50.0	45.6	91	70 - 130	2007-04-06
Carbon Disulfide		µg/L	50.0	48.6	97	70 - 130	2007-04-06
Acrylonitrile		µg/L	50.0	53.9	108	70 - 130	2007-04-06
2-Butanone (MEK)		µg/L	50.0	38.8	78	70 - 130	2007-04-06
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	47.0	94	70 - 130	2007-04-06
2-Hexanone		µg/L	50.0	48.6	97	70 - 130	2007-04-06
trans 1,4-Dichloro-2-butene		µg/L	50.0	38.3	77	70 - 130	2007-04-06
1,1-Dichloroethene		µg/L	50.0	47.6	95	80 - 120	2007-04-06
Methylene chloride		µg/L	50.0	47.8	96	70 - 130	2007-04-06
MTBE		µg/L	50.0	49.9	100	70 - 130	2007-04-06
trans-1,2-Dichloroethene		µg/L	50.0	50.3	101	70 - 130	2007-04-06
1,1-Dichloroethane		µg/L	50.0	47.0	94	70 - 130	2007-04-06
cis-1,2-Dichloroethene		µg/L	50.0	49.5	99	70 - 130	2007-04-06
2,2-Dichloropropane	[6]	µg/L	50.0	24.8	50	70 - 130	2007-04-06
1,2-Dichloroethane (EDC)		µg/L	50.0	48.5	97	70 - 130	2007-04-06
Chloroform		µg/L	50.0	47.7	95	80 - 120	2007-04-06
1,1,1-Trichloroethane		µg/L	50.0	46.9	94	70 - 130	2007-04-06
1,1-Dichloropropene		µg/L	50.0	49.8	100	70 - 130	2007-04-06
Benzene		µg/L	50.0	49.9	100	70 - 130	2007-04-06
Carbon Tetrachloride		µg/L	50.0	45.8	92	70 - 130	2007-04-06

continued . . .

[6] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 96 which is within acceptable range. This is acceptable by Method 8000.

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dichloropropane		µg/L	50.0	50.7	101	80 - 120	2007-04-06
Trichloroethene (TCE)		µg/L	50.0	45.0	90	70 - 130	2007-04-06
Dibromomethane (methylene bromide)		µg/L	50.0	48.0	96	70 - 130	2007-04-06
Bromodichloromethane		µg/L	50.0	50.5	101	70 - 130	2007-04-06
2-Chloroethyl vinyl ether		µg/L	50.0	50.7	101	70 - 130	2007-04-06
cis-1,3-Dichloropropene		µg/L	50.0	45.1	90	70 - 130	2007-04-06
trans-1,3-Dichloropropene		µg/L	50.0	47.1	94	70 - 130	2007-04-06
Toluene		µg/L	50.0	47.8	96	80 - 120	2007-04-06
1,1,2-Trichloroethane		µg/L	50.0	48.9	98	70 - 130	2007-04-06
1,3-Dichloropropane		µg/L	50.0	49.6	99	70 - 130	2007-04-06
Dibromochloromethane		µg/L	50.0	49.3	99	70 - 130	2007-04-06
1,2-Dibromoethane (EDB)		µg/L	50.0	48.7	97	70 - 130	2007-04-06
Tetrachloroethene (PCE)		µg/L	50.0	43.9	88	70 - 130	2007-04-06
Chlorobenzene		µg/L	50.0	45.3	91	80 - 120	2007-04-06
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.8	100	70 - 130	2007-04-06
Ethylbenzene		µg/L	50.0	50.6	101	80 - 120	2007-04-06
m,p-Xylene		µg/L	50.0	101	202	140 - 260	2007-04-06
Bromoform		µg/L	50.0	46.5	93	70 - 130	2007-04-06
Styrene		µg/L	50.0	52.6	105	70 - 130	2007-04-06
o-Xylene		µg/L	50.0	52.1	104	70 - 130	2007-04-06
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.3	101	70 - 130	2007-04-06
2-Chlorotoluene		µg/L	50.0	48.8	98	70 - 130	2007-04-06
1,2,3-Trichloropropane		µg/L	50.0	45.9	92	70 - 130	2007-04-06
Isopropylbenzene		µg/L	50.0	48.3	97	70 - 130	2007-04-06
Bromobenzene		µg/L	50.0	47.8	96	70 - 130	2007-04-06
n-Propylbenzene		µg/L	50.0	47.4	95	70 - 130	2007-04-06
1,3,5-Trimethylbenzene		µg/L	50.0	47.8	96	70 - 130	2007-04-06
tert-Butylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-04-06
1,2,4-Trimethylbenzene		µg/L	50.0	47.7	95	70 - 130	2007-04-06
1,4-Dichlorobenzene (para)		µg/L	50.0	45.5	91	70 - 130	2007-04-06
sec-Butylbenzene		µg/L	50.0	44.6	89	70 - 130	2007-04-06
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.8	94	70 - 130	2007-04-06
p-Isopropyltoluene		µg/L	50.0	44.2	88	70 - 130	2007-04-06
4-Chlorotoluene		µg/L	50.0	48.2	96	70 - 130	2007-04-06
1,2-Dichlorobenzene (ortho)		µg/L	50.0	48.0	96	70 - 130	2007-04-06
n-Butylbenzene		µg/L	50.0	42.1	84	70 - 130	2007-04-06
1,2-Dibromo-3-chloropropane		µg/L	50.0	42.5	85	70 - 130	2007-04-06
1,2,3-Trichlorobenzene		µg/L	50.0	34.9	70	70 - 130	2007-04-06
1,2,4-Trichlorobenzene		µg/L	50.0	34.8	70	70 - 130	2007-04-06
Naphthalene		µg/L	50.0	38.3	77	70 - 130	2007-04-06
Hexachlorobutadiene		µg/L	50.0	35.4	71	70 - 130	2007-04-06

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Alkalinity	SM 2320B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39871	Date Analyzed:	2007-08-08	Analyzed By:	JG
Prep Batch:	34508	Sample Preparation:	2007-08-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**148**		mg/L as CaCo3	1	5.00
Total Alkalinity		**148**		mg/L as CaCo3	1	5.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39871	Date Analyzed:	2007-08-08	Analyzed By:	JG
Prep Batch:	34508	Sample Preparation:	2007-08-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**162**		mg/L as CaCo3	1	5.00
Total Alkalinity		**162**		mg/L as CaCo3	1	5.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39737	Date Analyzed:	2007-08-03	Analyzed By:	JG
Prep Batch:	34393	Sample Preparation:	2007-08-03	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**182**		mg/L as CaCo3	1	5.00
Total Alkalinity		**182**		mg/L as CaCo3	1	5.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39871	Date Analyzed:	2007-08-08	Analyzed By:	JG
Prep Batch:	34508	Sample Preparation:	2007-08-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00

continued . . .

sample 131340 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**160**	mg/L as CaCo3	1	5.00
Total Alkalinity		**160**	mg/L as CaCo3	1	5.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	39871	Date Analyzed:	2007-08-08	Analyzed By:	JG
Prep Batch:	34508	Sample Preparation:	2007-08-08	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**108**	mg/L as CaCo3	1	5.00
Total Alkalinity		**108**	mg/L as CaCo3	1	5.00

Method Blank (1) QC Batch: 39737

QC Batch:	39737	Date Analyzed:	2007-08-03	Analyzed By:	JG
Prep Batch:	34393	QC Preparation:	2007-08-03	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Method Blank (1) QC Batch: 39871

QC Batch:	39871	Date Analyzed:	2007-08-08	Analyzed By:	JG
Prep Batch:	34508	QC Preparation:	2007-08-08	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<5.00	mg/L as CaCo3	5
Total Alkalinity		<3.36	mg/L as CaCo3	5

Duplicates (1)

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG
Prep Batch: 34393 QC Preparation: 2007-08-03 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	82.0	80.0	mg/L as CaCo3	1	2	6.3
Total Alkalinity	82.0	80.0	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 39871 Date Analyzed: 2007-08-08 Analyzed By: JG
Prep Batch: 34508 QC Preparation: 2007-08-08 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	110	108	mg/L as CaCo3	1	2	6.3
Total Alkalinity	110	108	mg/L as CaCo3	1	2	6.3

Standard (ICV-1)

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-03
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-08-03
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2007-08-03
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 105	2007-08-03

Standard (CCV-1)

QC Batch: 39737 Date Analyzed: 2007-08-03 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-03
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2007-08-03
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	6.00		0 - 105	2007-08-03
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 105	2007-08-03

Standard (ICV-1)

QC Batch: 39871 Date Analyzed: 2007-08-08 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-08
Carbonate Alkalinity		mg/L as CaCo3	0.00	232		0 - 105	2007-08-08
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	16.0		0 - 105	2007-08-08
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 105	2007-08-08

Standard (CCV-1)

QC Batch: 39871 Date Analyzed: 2007-08-08 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2007-08-08
Carbonate Alkalinity		mg/L as CaCo3	0.00	220		0 - 105	2007-08-08
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	22.0		0 - 105	2007-08-08
Total Alkalinity		mg/L as CaCo3	250	242	97	93.7 - 105	2007-08-08

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ammonia	SM 4500-NH3 B,C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	39536	Date Analyzed:	2007-07-30	Analyzed By:	TS
Prep Batch:	34226	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	39536	Date Analyzed:	2007-07-30	Analyzed By:	TS
Prep Batch:	34226	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	39536	Date Analyzed:	2007-07-30	Analyzed By:	TS
Prep Batch:	34226	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	39536	Date Analyzed:	2007-07-30	Analyzed By:	TS
Prep Batch:	34226	Sample Preparation:	2007-07-30	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	39834	Date Analyzed:	2007-08-07	Analyzed By:	JS
Prep Batch:	34481	Sample Preparation:	2007-08-07	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Method Blank (1) QC Batch: 39536

QC Batch: 39536 Date Analyzed: 2007-07-30 Analyzed By: TS
Prep Batch: 34226 QC Preparation: 2007-07-30 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Method Blank (1) QC Batch: 39834

QC Batch: 39834 Date Analyzed: 2007-08-07 Analyzed By: JS
Prep Batch: 34481 QC Preparation: 2007-08-07 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.560	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch: 39536 Date Analyzed: 2007-07-30 Analyzed By: TS
Prep Batch: 34226 QC Preparation: 2007-07-30 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.37	mg/L	1	5.00	<0.560	87	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.54	mg/L	1	5.00	<0.560	91	68.5 - 111	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39834 Date Analyzed: 2007-08-07 Analyzed By: JS
Prep Batch: 34481 QC Preparation: 2007-08-07 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.76	mg/L	1	5.00	<0.560	95	68.5 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.82	mg/L	1	5.00	<0.560	96	68.5 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130860

QC Batch: 39536 Date Analyzed: 2007-07-30 Analyzed By: TS
Prep Batch: 34226 QC Preparation: 2007-07-30 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.59	mg/L	1	5.00	<0.560	92	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.20	mg/L	1	5.00	<0.560	84	55.4 - 124	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131919

QC Batch: 39834 Date Analyzed: 2007-08-07 Analyzed By: JS
Prep Batch: 34481 QC Preparation: 2007-08-07 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	5.82	mg/L	1	5.00	<0.560	116	55.4 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	5.54	mg/L	1	5.00	<0.560	111	55.4 - 124	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39536 Date Analyzed: 2007-07-30 Analyzed By: TS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.37	87	85 - 115	2007-07-30

Standard (CCV-1)

QC Batch: 39536 Date Analyzed: 2007-07-30 Analyzed By: TS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.59	92	85 - 115	2007-07-30

Standard (ICV-1)

QC Batch: 39834 Date Analyzed: 2007-08-07 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.82	96	85 - 115	2007-08-07

Standard (CCV-1)

QC Batch: 39834 Date Analyzed: 2007-08-07 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	5.10	102	85 - 115	2007-08-07

131334-35

7073034

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894

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
16	Rhodes Canyon GroundWater

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: VOC	TOC	SVOC	EXPLOSIVES	Water Quality	Total Metals	Nutrients	Diss Metals	Nitrate-N	Nitrate/AP	REMARKS
7/27/07	1210	WSMR-014-RCRC-006-0707	WATER	131334	17	X*	X	X	X	X	X Hg	X	X	X	X	
7/27/07	1210	WSMR-014-TB-894	WATER	335	2	X*										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Jim Thompson	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Nell Green
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TraceAnalysis
	GOOD CONDITION/COLD	4°C	(TIME/DATE) 3:15 7/27/07	(TIME/DATE) 1625 7-27-07	(TIME/DATE) 7-28-07 10:30am
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS 40866876

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131336-37

7073035

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891

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
16	Rhodes Canyon Ground/Water

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	TOC	SVOC	EXPLOSIVES	Water Quality	Total Metals	Nutrients	Diss Metals	Nitrate-N	Nitrate/AP	REMARKS
											Hg					
7/27/07	1330	WSMR-014-RCRC-003-0707	WATER	131336	17	X	X	X	X	X	X	X	X	X	X	
7/27/07	1330	WSMR-014-TB-891	WATER	337	2	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Jim Thompson	SAMPLES RECEIVED		George Esqueda		Nell Green
	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) Nell Green
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TraceAnalysis
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE) 3:15 7/27/07	(TIME/DATE) 1625 7-28-07	(TIME/DATE) 10:30 am 7-28-07
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		LS 408876

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131338-39

7073036

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892

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS REQUESTED										REMARKS
16	Rhodes Canyon Ground/Water		VOC	TOC	SVOC	EXPLOSIVES	Water Quality	Total Metals	Nutrients	Diss Metals	Nitrate-N	Nitrate/AP	
SAMPLER'S SIGNATURE: George Esqueda													
DATE	TIME	SAMPLE ID	MATRIX	LAB NO.									
7/26/07	1410	WSMR-014-RCRC-005-0707	WATER	131338 / 1	X	X	X	X	X	X Hg	X	X	X	X	
7/26/07	1410	WSMR-014-TB-892	WATER	339	2 (1 only received)	X									

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Jim Thompson	TOTAL NO. OF CONTAINERS		(PRINTED NAME): GEORGE ESQUEDA	(PRINTED NAME): JAMES RATCLIFF	(PRINTED NAME): Nell Green
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY): TraceAnalysis
	GOOD CONDITION/CHILLED	4°C	(TIME/DATE): 1705 7-26-07	(TIME/DATE)	(TIME/DATE): 10:30 am 7-28-07
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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131340-41

7013037

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893

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
16	Rhodes Canyon Ground Water

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	TOC	SVOC	EXPLOSIVES	Water Quality	Total Metals	Nutrients	Diss Metals	Nitrate-N	Nitrate/AP	REMARKS
											Hg					
7/26/07	1410	WSMR-014-RCRC-105-0707	WATER	131340	17	X	X	X	X	X	X	X	X	X	X	
7/26/07	1410	WSMR-014-TB-893	WATER	341	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Jim Thompson	TOTAL NO. OF CONTAINERS	(PRINTED NAME) GEORGE ESQUEDA	(PRINTED NAME) James Ralston	(PRINTED NAME) Nell Green
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE) James Ralston	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
VIA: Lab Courier	GOOD CONDITION/ CHILLED 4C	(TIME/ DATE) 17:05 7-26-07	(TIME/ DATE)	(TIME/ DATE) 10:30am 7-28-07
	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS: NS PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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131454-55

7080105

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890

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
16	Rhodes Canyon GroundWater

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	TOC	SVOC	EXPLOSIVES	Water Quality	Total Metals	Nutrients	Diss Metals	Nitrate-N	Nitrate/AP	REMARKS
7/30/07	1032	WSMR-014-RCRC-001-0707-ms/msd	WATER	131454	17	X	X	X	X	X	X	X	X	X	X	
7/30/07	1032	WSMR-014-TB-890	WATER	455	2	X										

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Jim Thompson	SAMPLES RECEIVED		George Esqueda		Brenda Ward
SHIPPING ID NO.	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME) BRENDA WARD
	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE) James Gutierrez	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	4°C	(TIME) (DATE) 7:00 7-30-07	(TIME) (DATE) 1712 7-30-07	(TIME) (DATE) 8/1/07 9:01
VIA: Lab Courier	CONFORMS TO RECORD	BF	SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.	PROJECT NAME
16	Rhodes Canyon Ground/Water

SAMPLER'S SIGNATURE: George Esqueda

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOC	TOC	SVOC	EXPLOSIVES	Water Quality	Total Metals	Nutrients	Diss Metals	Nitrate-N	Nitrate/AP	REMARKS
7/30/07	1032	WSMR-014-RCRC-001-0707	WATER	131454	17	X	X	X	X	X	X	X	X	X	X	
7/30/07	1032	WSMR-014-TB-889	WATER	455	2	X										

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Jim Thompson	TOTAL NO. OF CONTAINERS		(PRINTED NAME) George ESQUEDA	(PRINTED NAME) James Gutierrez	(PRINTED NAME)
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	4°C	(TIME/ DATE) 1400 7/30/07	(TIME/ DATE) 1712 7-30-07	(TIME/ DATE)
VIA: Lab Courier	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: PLEASE SEE ATTACHED ANALYTE LIST FOR DETAILS		

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Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Conductivity	SM 2510B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39756	Date Analyzed:	2007-08-06	Analyzed By:	MD
Prep Batch:	34418	Sample Preparation:	2007-08-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**9370**	uMHOS/cm	1	0.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39756	Date Analyzed:	2007-08-06	Analyzed By:	MD
Prep Batch:	34418	Sample Preparation:	2007-08-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**9180**	uMHOS/cm	1	0.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39756	Date Analyzed:	2007-08-06	Analyzed By:	MD
Prep Batch:	34418	Sample Preparation:	2007-08-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**1040**	uMHOS/cm	1	0.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39756	Date Analyzed:	2007-08-06	Analyzed By:	MD
Prep Batch:	34418	Sample Preparation:	2007-08-06	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**1060**	uMHOS/cm	1	0.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	39839	Date Analyzed:	2007-08-03	Analyzed By:	MD
Prep Batch:	34486	Sample Preparation:	2007-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**931**	uMHOS/cm	1	0.00

Method Blank (1) QC Batch: 39756

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD
Prep Batch: 34418 QC Preparation: 2007-08-06 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Method Blank (1) QC Batch: 39839

QC Batch: 39839 Date Analyzed: 2007-08-03 Analyzed By: MD
Prep Batch: 34486 QC Preparation: 2007-08-03 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	uMHOS/cm	

Duplicates (1)

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD
Prep Batch: 34418 QC Preparation: 2007-08-06 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	7730	7720	uMHOS/cm	1		6.7

Standard (ICV-1)

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-06

Standard (CCV-1)

QC Batch: 39756 Date Analyzed: 2007-08-06 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-06

Standard (ICV-1)

QC Batch: 39839 Date Analyzed: 2007-08-03 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1420	100	96.7 - 108	2007-08-03

Standard (CCV-1)

QC Batch: 39839 Date Analyzed: 2007-08-03 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		uMHOS/cm	1410	1410	100	96.7 - 108	2007-08-03

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Dissolved	S 6010B
As, Dissolved	S 6010B
Ba, Dissolved	S 6010B
Be, Dissolved	S 6010B
Cd, Dissolved	S 6010B
Co, Dissolved	S 6010B
Cr, Dissolved	S 6010B
Cu, Dissolved	S 6010B
Li, Dissolved	S 6010B
Ni, Dissolved	S 6010B
Pb, Dissolved	S 6010B
Se, Dissolved	S 6010B
Sn, Dissolved	S 6010B
V, Dissolved	S 6010B
Zn, Dissolved	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39546	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34196	Sample Preparation:	2007-07-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0150**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100
Dissolved Lithium		**0.100**	mg/L	1	0.00500

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39546	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34196	Sample Preparation:	2007-07-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0100**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100
Dissolved Lithium		**0.0980**	mg/L	1	0.00500

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39546	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34196	Sample Preparation:	2007-07-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0150**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100
Dissolved Lithium		**0.102**	mg/L	1	0.00500

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39546	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34196	Sample Preparation:	2007-07-30	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0150**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100
Dissolved Lithium		**0.105**	mg/L	1	0.00500

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	39698	Date Analyzed:	2007-08-06	Analyzed By:	RR
Prep Batch:	34328	Sample Preparation:	2007-08-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Arsenic		<0.0100	mg/L	1	0.0100
Dissolved Barium		**0.0120**	mg/L	1	0.0100
Dissolved Beryllium		<0.00250	mg/L	1	0.00250
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Cobalt		<0.00500	mg/L	1	0.00500
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.00500	mg/L	1	0.00500
Dissolved Nickel		<0.00500	mg/L	1	0.00500
Dissolved Lead		<0.0100	mg/L	1	0.0100
Dissolved Selenium		<0.0100	mg/L	1	0.0100
Dissolved Tin		<0.0250	mg/L	1	0.0250
Dissolved Vanadium		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.0100	mg/L	1	0.0100
Dissolved Lithium		**0.0910**	mg/L	1	0.00500

Method Blank (1) QC Batch: 39546

QC Batch:	39546	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34196	QC Preparation:	2007-07-30	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005
Dissolved Lithium		<0.000300	mg/L	0.005

Method Blank (1) QC Batch: 39698

QC Batch:	39698	Date Analyzed:	2007-08-06	Analyzed By:	RR
Prep Batch:	34328	QC Preparation:	2007-08-03	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.00210	mg/L	0.002
Dissolved Arsenic		<0.00430	mg/L	0.01
Dissolved Barium		<0.00170	mg/L	0.01
Dissolved Beryllium		<0.00220	mg/L	0.0025
Dissolved Cadmium		<0.00140	mg/L	0.001
Dissolved Cobalt		<0.00220	mg/L	0.005
Dissolved Chromium		<0.000900	mg/L	0.005
Dissolved Copper		<0.00140	mg/L	0.005
Dissolved Nickel		<0.00190	mg/L	0.005
Dissolved Lead		<0.00740	mg/L	0.005
Dissolved Selenium		<0.0131	mg/L	0.01
Dissolved Tin		<0.0124	mg/L	0.025
Dissolved Vanadium		<0.00150	mg/L	0.005
Dissolved Zinc		<0.00710	mg/L	0.005
Dissolved Lithium		<0.000300	mg/L	0.005

Laboratory Control Spike (LCS-1)

QC Batch: 39546 Date Analyzed: 2007-07-31 Analyzed By: RR
Prep Batch: 34196 QC Preparation: 2007-07-30 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.125	mg/L	1	0.125	<0.00210	100	83.8 - 115
Dissolved Arsenic	0.488	mg/L	1	0.500	<0.00430	98	88.1 - 107
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120
Dissolved Cadmium	0.248	mg/L	1	0.250	<0.00140	99	80.9 - 112
Dissolved Cobalt	0.259	mg/L	1	0.250	<0.00220	104	84 - 117
Dissolved Chromium	0.107	mg/L	1	0.100	<0.000900	107	89.5 - 118
Dissolved Copper	0.129	mg/L	1	0.125	<0.00140	103	87 - 114
Dissolved Nickel	0.258	mg/L	1	0.250	<0.00190	103	85.6 - 110
Dissolved Lead	0.499	mg/L	1	0.500	<0.00740	100	81.1 - 111
Dissolved Selenium	0.420	mg/L	1	0.500	<0.0131	84	70.2 - 111
Dissolved Tin	0.301	mg/L	1	0.300	<0.0124	100	78.8 - 116
Dissolved Vanadium	0.245	mg/L	1	0.250	<0.00150	98	82.4 - 113
Dissolved Zinc	0.239	mg/L	1	0.250	<0.00710	96	80.3 - 110
Dissolved Lithium	0.0470	mg/L	1	0.0500	<0.000300	94	72.5 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.124	mg/L	1	0.125	<0.00210	99	83.8 - 115	1	20
Dissolved Arsenic	0.492	mg/L	1	0.500	<0.00430	98	88.1 - 107	1	20
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107	0	20
Dissolved Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	75.3 - 120	0	20
Dissolved Cadmium	0.247	mg/L	1	0.250	<0.00140	99	80.9 - 112	0	20
Dissolved Cobalt	0.256	mg/L	1	0.250	<0.00220	102	84 - 117	1	20
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	89.5 - 118	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.127	mg/L	1	0.125	<0.00140	102	87 - 114	2	20
Dissolved Nickel	0.258	mg/L	1	0.250	<0.00190	103	85.6 - 110	0	20
Dissolved Lead	0.487	mg/L	1	0.500	<0.00740	97	81.1 - 111	2	20
Dissolved Selenium	0.421	mg/L	1	0.500	<0.0131	84	70.2 - 111	0	20
Dissolved Tin	0.297	mg/L	1	0.300	<0.0124	99	78.8 - 116	1	20
Dissolved Vanadium	0.243	mg/L	1	0.250	<0.00150	97	82.4 - 113	1	20
Dissolved Zinc	0.252	mg/L	1	0.250	<0.00710	101	80.3 - 110	5	20
Dissolved Lithium	0.0470	mg/L	1	0.0500	<0.000300	94	72.5 - 123	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39698 Date Analyzed: 2007-08-06 Analyzed By: RR
Prep Batch: 34328 QC Preparation: 2007-08-03 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.129	mg/L	1	0.125	<0.00210	103	83.8 - 115
Dissolved Arsenic	0.504	mg/L	1	0.500	<0.00430	101	88.1 - 107
Dissolved Barium	1.05	mg/L	1	1.00	<0.00170	105	91.3 - 107
Dissolved Beryllium	0.0242	mg/L	1	0.0250	<0.00220	97	75.3 - 120
Dissolved Cadmium	0.246	mg/L	1	0.250	<0.00140	98	80.9 - 112
Dissolved Cobalt	0.255	mg/L	1	0.250	<0.00220	102	84 - 117
Dissolved Chromium	0.105	mg/L	1	0.100	<0.000900	105	89.5 - 118
Dissolved Copper	0.127	mg/L	1	0.125	<0.00140	102	87 - 114
Dissolved Nickel	0.255	mg/L	1	0.250	<0.00190	102	85.6 - 110
Dissolved Lead	0.499	mg/L	1	0.500	<0.00740	100	81.1 - 111
Dissolved Selenium	0.419	mg/L	1	0.500	<0.0131	84	70.2 - 111
Dissolved Tin	0.296	mg/L	1	0.300	<0.0124	99	78.8 - 116
Dissolved Vanadium	0.242	mg/L	1	0.250	<0.00150	97	82.4 - 113
Dissolved Zinc	0.236	mg/L	1	0.250	<0.00710	94	80.3 - 110
Dissolved Lithium	0.0440	mg/L	1	0.0500	<0.000300	88	72.5 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.129	mg/L	1	0.125	<0.00210	103	83.8 - 115	0	20
Dissolved Arsenic	0.500	mg/L	1	0.500	<0.00430	100	88.1 - 107	1	20
Dissolved Barium	1.03	mg/L	1	1.00	<0.00170	103	91.3 - 107	2	20
Dissolved Beryllium	0.0243	mg/L	1	0.0250	<0.00220	97	75.3 - 120	0	20
Dissolved Cadmium	0.244	mg/L	1	0.250	<0.00140	98	80.9 - 112	1	20
Dissolved Cobalt	0.255	mg/L	1	0.250	<0.00220	102	84 - 117	0	20
Dissolved Chromium	0.106	mg/L	1	0.100	<0.000900	106	89.5 - 118	1	20
Dissolved Copper	0.126	mg/L	1	0.125	<0.00140	101	87 - 114	1	20
Dissolved Nickel	0.254	mg/L	1	0.250	<0.00190	102	85.6 - 110	0	20
Dissolved Lead	0.493	mg/L	1	0.500	<0.00740	99	81.1 - 111	1	20
Dissolved Selenium	0.415	mg/L	1	0.500	<0.0131	83	70.2 - 111	1	20
Dissolved Tin	0.297	mg/L	1	0.300	<0.0124	99	78.8 - 116	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Vanadium	0.241	mg/L	1	0.250	<0.00150	96	82.4 - 113	0	20
Dissolved Zinc	0.238	mg/L	1	0.250	<0.00710	95	80.3 - 110	1	20
Dissolved Lithium	0.0440	mg/L	1	0.0500	<0.000300	88	72.5 - 123	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131334

QC Batch: 39546 Date Analyzed: 2007-07-31 Analyzed By: RR
Prep Batch: 34196 QC Preparation: 2007-07-30 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.117	mg/L	1	0.125	<0.00210	94	78.4 - 116
Dissolved Arsenic	0.473	mg/L	1	0.500	<0.00430	95	84.4 - 117
Dissolved Barium	0.900	mg/L	1	1.00	0.015	88	68.7 - 115
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121
Dissolved Cadmium	0.213	mg/L	1	0.250	<0.00140	85	72.1 - 99.8
Dissolved Cobalt	0.217	mg/L	1	0.250	<0.00220	87	84.8 - 101
Dissolved Chromium	0.0880	mg/L	1	0.100	<0.000900	88	69.3 - 122
Dissolved Copper	0.113	mg/L	1	0.125	<0.00140	90	75.7 - 119
Dissolved Nickel	0.214	mg/L	1	0.250	<0.00190	86	79.9 - 105
Dissolved Lead	0.456	mg/L	1	0.500	<0.00740	91	75 - 111
Dissolved Selenium	0.419	mg/L	1	0.500	<0.0131	84	77 - 99.3
Dissolved Tin	0.255	mg/L	1	0.300	<0.0124	85	66 - 127
Dissolved Vanadium	0.234	mg/L	1	0.250	0.002	93	89.1 - 110
Dissolved Zinc	0.227	mg/L	1	0.250	<0.00710	91	79.7 - 109
Dissolved Lithium	0.148	mg/L	1	0.0500	0.1	96	59.4 - 133

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.115	mg/L	1	0.125	<0.00210	92	78.4 - 116	2	20
Dissolved Arsenic	0.463	mg/L	1	0.500	<0.00430	93	84.4 - 117	2	20
Dissolved Barium	0.880	mg/L	1	1.00	0.015	86	68.7 - 115	2	20
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121	0	20
Dissolved Cadmium	0.213	mg/L	1	0.250	<0.00140	85	72.1 - 99.8	0	20
Dissolved Cobalt	0.217	mg/L	1	0.250	<0.00220	87	84.8 - 101	0	20
Dissolved Chromium	0.0880	mg/L	1	0.100	<0.000900	88	69.3 - 122	0	20
Dissolved Copper	0.114	mg/L	1	0.125	<0.00140	91	75.7 - 119	1	20
Dissolved Nickel	0.212	mg/L	1	0.250	<0.00190	85	79.9 - 105	1	20
Dissolved Lead	0.464	mg/L	1	0.500	<0.00740	93	75 - 111	2	20
Dissolved Selenium	0.410	mg/L	1	0.500	<0.0131	82	77 - 99.3	2	20
Dissolved Tin	0.253	mg/L	1	0.300	<0.0124	84	66 - 127	1	20
Dissolved Vanadium	0.239	mg/L	1	0.250	0.002	95	89.1 - 110	2	20
Dissolved Zinc	0.226	mg/L	1	0.250	<0.00710	90	79.7 - 109	0	20
Dissolved Lithium	0.143	mg/L	1	0.0500	0.1	86	59.4 - 133	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 39698 Date Analyzed: 2007-08-06 Analyzed By: RR
Prep Batch: 34328 QC Preparation: 2007-08-03 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.119	mg/L	1	0.125	<0.00210	95	78.4 - 116
Dissolved Arsenic	0.486	mg/L	1	0.500	<0.00430	97	84.4 - 117
Dissolved Barium	0.932	mg/L	1	1.00	0.012	92	68.7 - 115
Dissolved Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	72.1 - 121
Dissolved Cadmium	0.212	mg/L	1	0.250	<0.00140	85	72.1 - 99.8
Dissolved Cobalt	0.216	mg/L	1	0.250	<0.00220	86	84.8 - 101
Dissolved Chromium	0.0930	mg/L	1	0.100	<0.000900	93	69.3 - 122
Dissolved Copper	0.118	mg/L	1	0.125	<0.00140	94	75.7 - 119
Dissolved Nickel	0.212	mg/L	1	0.250	<0.00190	85	79.9 - 105
Dissolved Lead	0.519	mg/L	1	0.500	<0.00740	104	75 - 111
Dissolved Selenium	0.424	mg/L	1	0.500	<0.0131	85	77 - 99.3
Dissolved Tin	0.258	mg/L	1	0.300	<0.0124	86	66 - 127
Dissolved Vanadium	0.241	mg/L	1	0.250	0.003	95	89.1 - 110
Dissolved Zinc	0.226	mg/L	1	0.250	<0.00710	90	79.7 - 109
Dissolved Lithium	0.136	mg/L	1	0.0500	0.091	90	59.4 - 133

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.119	mg/L	1	0.125	<0.00210	95	78.4 - 116	0	20
Dissolved Arsenic	0.489	mg/L	1	0.500	<0.00430	98	84.4 - 117	1	20
Dissolved Barium	0.921	mg/L	1	1.00	0.012	91	68.7 - 115	1	20
Dissolved Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	72.1 - 121	4	20
Dissolved Cadmium	0.210	mg/L	1	0.250	<0.00140	84	72.1 - 99.8	1	20
Dissolved Cobalt	0.215	mg/L	1	0.250	<0.00220	86	84.8 - 101	0	20
Dissolved Chromium	0.0920	mg/L	1	0.100	<0.000900	92	69.3 - 122	1	20
Dissolved Copper	0.117	mg/L	1	0.125	<0.00140	94	75.7 - 119	1	20
Dissolved Nickel	0.211	mg/L	1	0.250	<0.00190	84	79.9 - 105	0	20
Dissolved Lead	0.533	mg/L	1	0.500	<0.00740	107	75 - 111	3	20
Dissolved Selenium	0.415	mg/L	1	0.500	<0.0131	83	77 - 99.3	2	20
Dissolved Tin	0.256	mg/L	1	0.300	<0.0124	85	66 - 127	1	20
Dissolved Vanadium	0.240	mg/L	1	0.250	0.003	95	89.1 - 110	0	20
Dissolved Zinc	0.224	mg/L	1	0.250	<0.00710	90	79.7 - 109	1	20
Dissolved Lithium	0.136	mg/L	1	0.0500	0.091	90	59.4 - 133	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39546 Date Analyzed: 2007-07-31 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-07-31
Dissolved Arsenic		mg/L	1.00	1.02	102	90 - 110	2007-07-31

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	1.05	105	90 - 110	2007-07-31
Dissolved Beryllium		mg/L	1.00	0.989	99	90 - 110	2007-07-31
Dissolved Cadmium		mg/L	1.00	1.04	104	95 - 105	2007-07-31
Dissolved Cobalt		mg/L	1.00	1.01	101	90 - 110	2007-07-31
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Dissolved Copper		mg/L	1.00	1.00	100	90 - 110	2007-07-31
Dissolved Nickel		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Dissolved Lead		mg/L	1.00	1.00	100	90 - 110	2007-07-31
Dissolved Selenium		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Dissolved Tin		mg/L	1.00	1.03	103	90 - 110	2007-07-31
Dissolved Vanadium		mg/L	1.00	1.02	102	95 - 105	2007-07-31
Dissolved Zinc		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Dissolved Lithium		mg/L	1.00	1.05	105	90 - 110	2007-07-31

Standard (CCV-1)

QC Batch: 39546 Date Analyzed: 2007-07-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.121	97	90 - 110	2007-07-31
Dissolved Arsenic		mg/L	1.00	0.957	96	90 - 110	2007-07-31
Dissolved Barium		mg/L	1.00	0.991	99	90 - 110	2007-07-31
Dissolved Beryllium		mg/L	1.00	0.947	95	90 - 110	2007-07-31
Dissolved Cadmium		mg/L	1.00	0.987	99	90 - 110	2007-07-31
Dissolved Cobalt		mg/L	1.00	0.953	95	90 - 110	2007-07-31
Dissolved Chromium		mg/L	1.00	0.972	97	90 - 110	2007-07-31
Dissolved Copper		mg/L	1.00	0.956	96	90 - 110	2007-07-31
Dissolved Nickel		mg/L	1.00	0.951	95	90 - 110	2007-07-31
Dissolved Lead		mg/L	1.00	0.983	98	90 - 110	2007-07-31
Dissolved Selenium		mg/L	1.00	0.934	93	90 - 110	2007-07-31
Dissolved Tin		mg/L	1.00	0.972	97	90 - 110	2007-07-31
Dissolved Vanadium		mg/L	1.00	0.983	98	90 - 110	2007-07-31
Dissolved Zinc		mg/L	1.00	0.956	96	90 - 110	2007-07-31
Dissolved Lithium		mg/L	1.00	0.978	98	90 - 110	2007-07-31

Standard (ICV-1)

QC Batch: 39698 Date Analyzed: 2007-08-06 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-08-06
Dissolved Arsenic		mg/L	1.00	1.00	100	90 - 110	2007-08-06
Dissolved Barium		mg/L	1.00	1.04	104	90 - 110	2007-08-06
Dissolved Beryllium		mg/L	1.00	0.988	99	90 - 110	2007-08-06

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	1.03	103	95 - 105	2007-08-06
Dissolved Cobalt		mg/L	1.00	0.988	99	90 - 110	2007-08-06
Dissolved Chromium		mg/L	1.00	1.01	101	90 - 110	2007-08-06
Dissolved Copper		mg/L	1.00	1.00	100	90 - 110	2007-08-06
Dissolved Nickel		mg/L	1.00	0.986	99	90 - 110	2007-08-06
Dissolved Lead		mg/L	1.00	1.01	101	90 - 110	2007-08-06
Dissolved Selenium		mg/L	1.00	0.981	98	90 - 110	2007-08-06
Dissolved Tin		mg/L	1.00	1.01	101	90 - 110	2007-08-06
Dissolved Vanadium		mg/L	1.00	1.02	102	95 - 105	2007-08-06
Dissolved Zinc		mg/L	1.00	0.996	100	90 - 110	2007-08-06
Dissolved Lithium		mg/L	1.00	1.00	100	90 - 110	2007-08-06

Standard (CCV-1)

QC Batch: 39698 Date Analyzed: 2007-08-06 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.127	102	90 - 110	2007-08-06
Dissolved Arsenic		mg/L	1.00	0.991	99	90 - 110	2007-08-06
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2007-08-06
Dissolved Beryllium		mg/L	1.00	0.998	100	90 - 110	2007-08-06
Dissolved Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-08-06
Dissolved Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-08-06
Dissolved Chromium		mg/L	1.00	1.02	102	90 - 110	2007-08-06
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2007-08-06
Dissolved Nickel		mg/L	1.00	1.00	100	90 - 110	2007-08-06
Dissolved Lead		mg/L	1.00	1.01	101	90 - 110	2007-08-06
Dissolved Selenium		mg/L	1.00	0.990	99	90 - 110	2007-08-06
Dissolved Tin		mg/L	1.00	1.03	103	90 - 110	2007-08-06
Dissolved Vanadium		mg/L	1.00	1.02	102	90 - 110	2007-08-06
Dissolved Zinc		mg/L	1.00	1.00	100	90 - 110	2007-08-06
Dissolved Lithium		mg/L	1.00	1.01	101	90 - 110	2007-08-06

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
NO2 (IC)	E 300.0
NO3 (IC)	E 300.0

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100
Nitrate-N		<0.100	mg/L	1	0.100

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100
Nitrate-N		<0.100	mg/L	1	0.100

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100
Nitrate-N		<0.100	mg/L	1	0.100

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<0.100	mg/L	1	0.100
Nitrate-N		<0.100	mg/L	1	0.100

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	39605	Date Analyzed:	2007-08-01	Analyzed By:	ER
Prep Batch:	34283	Sample Preparation:	2007-08-01	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<1.00	mg/L	5	0.200
Nitrate-N		<1.00	mg/L	5	0.200

Method Blank (1) QC Batch: 39605

QC Batch:	39605	Date Analyzed:	2007-08-01	Analyzed By:	ER
Prep Batch:	34283	QC Preparation:	2007-08-01	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0128	mg/L	0.2
Nitrate-N		<0.0240	mg/L	0.2

Method Blank (1) QC Batch: 39803

QC Batch:	39803	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34457	QC Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0153	mg/L	0.1
Nitrate-N		<0.0168	mg/L	0.1

Laboratory Control Spike (LCS-1)

QC Batch:	39605	Date Analyzed:	2007-08-01	Analyzed By:	ER
Prep Batch:	34283	QC Preparation:	2007-08-01	Prepared By:	ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.66	mg/L	1	2.50	<0.0128	106	90 - 110
Nitrate-N	0.500	mg/L	1	0.500	<0.0240	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.66	mg/L	1	2.50	<0.0128	106	90 - 110	0	20
Nitrate-N	0.503	mg/L	1	0.500	<0.0240	101	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39803 | Date Analyzed: 2007-07-27 | Analyzed By: JR
Prep Batch: 34457 | QC Preparation: 2007-07-27 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.46	mg/L	1	2.50	<0.0153	98	90 - 110
Nitrate-N	2.46	mg/L	1	2.50	<0.0168	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.45	mg/L	1	2.50	<0.0153	98	90 - 110	0	20
Nitrate-N	2.47	mg/L	1	2.50	<0.0168	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 39605 | Date Analyzed: 2007-08-01 | Analyzed By: ER
Prep Batch: 34283 | QC Preparation: 2007-08-01 | Prepared By: ER

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	[1]	<0.0640	mg/L	5	12.5	<0.0640	0	90.5 - 115
Nitrate-N	[2]	4.71	mg/L	5	2.50	0.4733	169	88.4 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	[3]	0.00	mg/L	5	12.5	<0.0640	0	90.5 - 115	0	20
Nitrate-N	[4]	4.77	mg/L	5	2.50	0.4733	172	88.4 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131334

QC Batch: 39803 | Date Analyzed: 2007-07-27 | Analyzed By: JR
Prep Batch: 34457 | QC Preparation: 2007-07-27 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	1260	mg/L	500	1250	<7.65	101	90 - 110
Nitrate-N	1240	mg/L	500	1250	<8.40	99	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	1240	mg/L	500	1250	<7.65	99	90 - 110	2	20
Nitrate-N	1240	mg/L	500	1250	<8.40	99	78.6 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39605 Date Analyzed: 2007-08-01 Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.72	109	90 - 110	2007-08-01
Nitrate-N		mg/L	0.500	0.503	101	90 - 110	2007-08-01

Standard (CCV-1)

QC Batch: 39605 Date Analyzed: 2007-08-01 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.60	104	90 - 110	2007-08-01
Nitrate-N		mg/L	0.500	0.490	98	90 - 110	2007-08-01

Standard (ICV-1)

QC Batch: 39803 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.37	95	90 - 110	2007-07-27
Nitrate-N		mg/L	2.50	2.28	91	90 - 110	2007-07-27

Standard (CCV-1)

QC Batch: 39803 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.42	97	90 - 110	2007-07-27
Nitrate-N		mg/L	2.50	2.33	93	90 - 110	2007-07-27

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Explosives (8330)	S 8330-C18

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	40282	Date Analyzed:	2007-08-21	Analyzed By:	DS
Prep Batch:	34859	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.94	µg/L	1	2.50	78	19.8 - 160

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	40282	Date Analyzed:	2007-08-21	Analyzed By:	DS
Prep Batch:	34859	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.35	µg/L	1	2.50	54	19.8 - 160

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	40282	Date Analyzed:	2007-08-21	Analyzed By:	DS
Prep Batch:	34859	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		2.07	µg/L	1	2.50	83	19.8 - 160

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	40282	Date Analyzed:	2007-08-21	Analyzed By:	DS
Prep Batch:	34859	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.44	µg/L	1	2.50	58	19.8 - 160

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Explosives (8330)	Analytical Method:	S 8330-C18	Prep Method:	S 3535A
QC Batch:	40282	Date Analyzed:	2007-08-21	Analyzed By:	DS
Prep Batch:	34859	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
HMX		<0.500	µg/L	1	0.500
RDX		<0.500	µg/L	1	0.500
1,3,5-Trinitrobenzene		<0.500	µg/L	1	0.500
1,3-Dinitrobenzene		<0.500	µg/L	1	0.500
Tetryl		<0.500	µg/L	1	0.500
Nitrobenzene		<0.500	µg/L	1	0.500
TNT		<0.500	µg/L	1	0.500
4-amino-DNT / 2-amino-DNT		<0.500	µg/L	1	0.500
2,6-DNT / 2,4-DNT		<0.500	µg/L	1	0.500
2-NT		<0.500	µg/L	1	0.500
3-NT		<0.500	µg/L	1	0.500
4-NT		<0.500	µg/L	1	0.500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.73	µg/L	1	2.50	69	19.8 - 160

Method Blank (1) QC Batch: 40282

QC Batch:	40282	Date Analyzed:	2007-08-21	Analyzed By:	DS
Prep Batch:	34859	QC Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
HMX		<0.227	µg/L	0.5
RDX		<0.337	µg/L	0.5
1,3,5-Trinitrobenzene		<0.355	µg/L	0.5
1,3-Dinitrobenzene		<0.402	µg/L	0.5
Tetryl		<0.278	µg/L	0.5
Nitrobenzene		<0.371	µg/L	0.5
TNT		<0.324	µg/L	0.5
4-amino-DNT / 2-amino-DNT		<0.376	µg/L	0.5
2,6-DNT / 2,4-DNT		<0.417	µg/L	0.5
2-NT		<0.301	µg/L	0.5
3-NT		<0.305	µg/L	0.5
4-NT		<0.315	µg/L	0.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
1,2-Dinitrobenzene		1.87	µg/L	1	2.50	75	10 - 165

Laboratory Control Spike (LCS-1)

QC Batch: 40282 | Date Analyzed: 2007-08-21 | Analyzed By: DS
Prep Batch: 34859 | QC Preparation: 2007-08-02 | Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	2.00	µg/L	1	2.50	<0.227	80	63.5 - 125
RDX	2.32	µg/L	1	2.50	<0.337	93	74.5 - 124
1,3,5-Trinitrobenzene	2.42	µg/L	1	2.50	<0.355	97	54.1 - 131
1,3-Dinitrobenzene	2.31	µg/L	1	2.50	<0.402	92	72 - 112
Tetryl	2.02	µg/L	1	2.50	<0.278	81	35.9 - 149
Nitrobenzene	2.42	µg/L	1	2.50	<0.371	97	72.5 - 126
TNT	1.86	µg/L	1	2.50	<0.324	74	40.7 - 129
4-amino-DNT / 2-amino-DNT	2.17	µg/L	1	2.50	<0.376	87	63 - 120
2,6-DNT / 2,4-DNT	2.48	µg/L	1	2.50	<0.417	99	58.2 - 137
2-NT	2.28	µg/L	1	2.50	<0.301	91	49.8 - 139
3-NT	3.02	µg/L	1	2.50	<0.305	121	66.2 - 129
4-NT	3.28	µg/L	1	2.50	<0.315	131	56.3 - 141

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	2.22	µg/L	1	2.50	<0.227	89	63.5 - 125	10	20
RDX	2.52	µg/L	1	2.50	<0.337	101	74.5 - 124	8	20
1,3,5-Trinitrobenzene	2.71	µg/L	1	2.50	<0.355	108	54.1 - 131	11	20
1,3-Dinitrobenzene	2.45	µg/L	1	2.50	<0.402	98	72 - 112	6	20
Tetryl	2.15	µg/L	1	2.50	<0.278	86	35.9 - 149	6	20
Nitrobenzene	2.64	µg/L	1	2.50	<0.371	106	72.5 - 126	9	20
TNT	1.93	µg/L	1	2.50	<0.324	77	40.7 - 129	4	20
4-amino-DNT / 2-amino-DNT	2.22	µg/L	1	2.50	<0.376	89	63 - 120	2	20
2,6-DNT / 2,4-DNT	2.73	µg/L	1	2.50	<0.417	109	58.2 - 137	10	20
2-NT	2.34	µg/L	1	2.50	<0.301	94	49.8 - 139	3	20
3-NT	2.83	µg/L	1	2.50	<0.305	113	66.2 - 129	6	20
4-NT	3.23	µg/L	1	2.50	<0.315	129	56.3 - 141	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.50	2.38	µg/L	1	2.50	100	95	53 - 134

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 40282 | Date Analyzed: 2007-08-21 | Analyzed By: DS
Prep Batch: 34859 | QC Preparation: 2007-08-02 | Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
HMX	2.07	µg/L	1	2.50	<0.227	83	10 - 164
RDX	2.42	µg/L	1	2.50	<0.337	97	10 - 147
1,3,5-Trinitrobenzene	2.35	µg/L	1	2.50	<0.355	94	10 - 187

continued . . .

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,3-Dinitrobenzene	2.30	µg/L	1	2.50	<0.402	92	10 - 155
Tetryl	2.09	µg/L	1	2.50	<0.278	84	10 - 158
Nitrobenzene	2.27	µg/L	1	2.50	<0.371	91	10 - 156
TNT	2.01	µg/L	1	2.50	<0.324	80	21 - 114
4-amino-DNT / 2-amino-DNT	2.21	µg/L	1	2.50	<0.376	88	10 - 150
2,6-DNT / 2,4-DNT	2.40	µg/L	1	2.50	<0.417	96	21.3 - 150
2-NT	1.98	µg/L	1	2.50	<0.301	79	10 - 147
3-NT	3.28	µg/L	1	2.50	<0.305	131	10 - 167
4-NT	1.54	µg/L	1	2.50	<0.315	62	10 - 161

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
HMX	2.15	µg/L	1	2.50	<0.227	86	10 - 164	4	20
RDX	2.23	µg/L	1	2.50	<0.337	89	10 - 147	8	20
1,3,5-Trinitrobenzene	2.04	µg/L	1	2.50	<0.355	82	10 - 187	14	20
1,3-Dinitrobenzene	2.23	µg/L	1	2.50	<0.402	89	10 - 155	3	20
Tetryl	1.98	µg/L	1	2.50	<0.278	79	10 - 158	5	20
Nitrobenzene	2.23	µg/L	1	2.50	<0.371	89	10 - 156	2	20
TNT	2.17	µg/L	1	2.50	<0.324	87	21 - 114	8	20
4-amino-DNT / 2-amino-DNT	2.16	µg/L	1	2.50	<0.376	86	10 - 150	2	20
2,6-DNT / 2,4-DNT	2.37	µg/L	1	2.50	<0.417	95	21.3 - 150	1	20
2-NT	1.65	µg/L	1	2.50	<0.301	66	10 - 147	18	20
3-NT	3.52	µg/L	1	2.50	<0.305	141	10 - 167	7	20
4-NT	1.82	µg/L	1	2.50	<0.315	73	10 - 161	17	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
1,2-Dinitrobenzene	2.35	2.52	µg/L	1	2.5	94	101	10 - 222

Standard (ICV-1)

QC Batch: 40282 Date Analyzed: 2007-08-21 Analyzed By: DS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	447	89	85 - 115	2007-08-21
RDX		µg/L	500	531	106	85 - 115	2007-08-21
1,3,5-Trinitrobenzene		µg/L	500	476	95	85 - 115	2007-08-21
1,3-Dinitrobenzene		µg/L	500	491	98	85 - 115	2007-08-21
Tetryl		µg/L	500	448	90	85 - 115	2007-08-21
Nitrobenzene		µg/L	500	500	100	85 - 115	2007-08-21
TNT		µg/L	500	429	86	85 - 115	2007-08-21
4-amino-DNT / 2-amino-DNT		µg/L	500	428	86	85 - 115	2007-08-21
2,6-DNT / 2,4-DNT		µg/L	500	532	106	85 - 115	2007-08-21
2-NT		µg/L	500	449	90	85 - 115	2007-08-21
3-NT		µg/L	500	458	92	85 - 115	2007-08-21

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-NT		µg/L	500	544	109	85 - 115	2007-08-21

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		514	µg/L	1	500	103	85 - 115

Standard (CCV-1)

QC Batch: 40282 Date Analyzed: 2007-08-21 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
HMX		µg/L	500	427	85	85 - 115	2007-08-21
RDX		µg/L	500	534	107	85 - 115	2007-08-21
1,3,5-Trinitrobenzene		µg/L	500	486	97	85 - 115	2007-08-21
1,3-Dinitrobenzene		µg/L	500	491	98	85 - 115	2007-08-21
Tetryl		µg/L	500	457	91	85 - 115	2007-08-21
Nitrobenzene		µg/L	500	515	103	85 - 115	2007-08-21
TNT		µg/L	500	431	86	85 - 115	2007-08-21
4-amino-DNT / 2-amino-DNT		µg/L	500	456	91	85 - 115	2007-08-21
2,6-DNT / 2,4-DNT		µg/L	500	563	113	85 - 115	2007-08-21
2-NT		µg/L	500	438	88	85 - 115	2007-08-21
3-NT		µg/L	500	501	100	85 - 115	2007-08-21
4-NT		µg/L	500	522	104	85 - 115	2007-08-21

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
1,2-Dinitrobenzene		509	µg/L	1	500	102	85 - 115

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chromium, Hexavalent	SM 3500-Cr B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	39522	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34213	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	39522	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34213	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	39521	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34202	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	39521	Date Analyzed:	2007-07-27	Analyzed By:	JR
Prep Batch:	34202	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	39728	Date Analyzed:	2007-07-31	Analyzed By:	JG
Prep Batch:	34386	Sample Preparation:	2007-07-31	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 39521

QC Batch: 39521 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34202 QC Preparation: 2007-07-27 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 39522

QC Batch: 39522 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34213 QC Preparation: 2007-07-27 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00500	mg/L	0.01

Method Blank (1) QC Batch: 39728

QC Batch: 39728 Date Analyzed: 2007-07-31 Analyzed By: JG
Prep Batch: 34386 QC Preparation: 2007-07-31 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00500	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 39521 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34202 QC Preparation: 2007-07-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.499	mg/L	1	0.500	<0.00500	100	93 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.495	mg/L	1	0.500	<0.00500	99	93 - 107	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39522 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34213 QC Preparation: 2007-07-27 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.497	mg/L	1	0.500	<0.00500	99	93 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.499	mg/L	1	0.500	<0.00500	100	93 - 107	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39728 Date Analyzed: 2007-07-31 Analyzed By: JG
Prep Batch: 34386 QC Preparation: 2007-07-31 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.497	mg/L	1	0.500	<0.00500	99	93 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.493	mg/L	1	0.500	<0.00500	99	93 - 107	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131338

QC Batch: 39521 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34202 QC Preparation: 2007-07-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.557	mg/L	1.11	0.556	<0.00555	100	71.5 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.562	mg/L	1.11	0.556	<0.00555	101	71.5 - 125	1	24

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131334

QC Batch: 39522 Date Analyzed: 2007-07-27 Analyzed By: JR
Prep Batch: 34213 QC Preparation: 2007-07-27 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.549	mg/L	1.11	0.556	<0.00555	99	71.5 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.559	mg/L	1.11	0.556	<0.00555	100	71.5 - 125	2	24

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 39728 Date Analyzed: 2007-07-31 Analyzed By: JG
Prep Batch: 34386 QC Preparation: 2007-07-31 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.561	mg/L	1.11	0.500	<0.00555	112	71.5 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.561	mg/L	1.11	0.500	<0.00555	112	71.5 - 125	0	24

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39521 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.503	101	91.2 - 110	2007-07-27

Standard (CCV-1)

QC Batch: 39521 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.500	100	94 - 107	2007-07-27

Standard (ICV-1)

QC Batch: 39522 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.502	100	91.2 - 110	2007-07-27

Standard (CCV-1)

QC Batch: 39522 Date Analyzed: 2007-07-27 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.495	99	94 - 107	2007-07-27

Standard (ICV-1)

QC Batch: 39728 Date Analyzed: 2007-07-31 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.499	100	91.2 - 110	2007-07-31

Standard (CCV-1)

QC Batch: 39728 Date Analyzed: 2007-07-31 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.497	99	94 - 107	2007-07-31

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
pH	SM 4500-H+

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39526	Date Analyzed:	2007-07-27	Analyzed By:	MD
Prep Batch:	34216	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.14**	s.u.	1	0.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39526	Date Analyzed:	2007-07-27	Analyzed By:	MD
Prep Batch:	34216	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.05**	s.u.	1	0.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39526	Date Analyzed:	2007-07-27	Analyzed By:	MD
Prep Batch:	34216	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.16**	s.u.	1	0.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39526	Date Analyzed:	2007-07-27	Analyzed By:	MD
Prep Batch:	34216	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.10**	s.u.	1	0.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	39853	Date Analyzed:	2007-07-31	Analyzed By:	MD
Prep Batch:	34494	Sample Preparation:	2007-07-31	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.16**	s.u.	1	0.00

Duplicates (1)

QC Batch: 39526 Date Analyzed: 2007-07-27 Analyzed By: MD
Prep Batch: 34216 QC Preparation: 2007-07-27 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.14	7.16	s.u.	1	0	20

Standard (ICV-1)

QC Batch: 39526 Date Analyzed: 2007-07-27 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.01	100	98.8 - 101	2007-07-27

Standard (CCV-1)

QC Batch: 39526 Date Analyzed: 2007-07-27 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98.8 - 101	2007-07-27

Standard (ICV-1)

QC Batch: 39853 Date Analyzed: 2007-07-31 Analyzed By: MD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2007-07-31

Standard (CCV-1)

QC Batch: 39853 Date Analyzed: 2007-07-31 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.96	99	98.8 - 101	2007-07-31

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 131334 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0244	mg/L	1	0.0800	30	10 - 84.7
Phenol-d5		0.0172	mg/L	1	0.0800	22	10 - 54.9
Nitrobenzene-d5		0.0630	mg/L	1	0.0800	79	10 - 202
2-Fluorobiphenyl		0.0753	mg/L	1	0.0800	94	10 - 199
2,4,6-Tribromophenol		0.0622	mg/L	1	0.0800	78	10 - 141
Terphenyl-d14		0.0746	mg/L	1	0.0800	93	10 - 160

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500

continued ...

sample 131336 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500

continued . . .

sample 131336 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0222	mg/L	1	0.0800	28	10 - 84.7
Phenol-d5		0.0155	mg/L	1	0.0800	19	10 - 54.9
Nitrobenzene-d5		0.0599	mg/L	1	0.0800	75	10 - 202
2-Fluorobiphenyl		0.0757	mg/L	1	0.0800	95	10 - 199
2,4,6-Tribromophenol		0.0613	mg/L	1	0.0800	77	10 - 141
Terphenyl-d14		0.0807	mg/L	1	0.0800	101	10 - 160

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500

continued . . .

sample 131338 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500

continued . . .

sample 131338 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0159	mg/L	1	0.0800	20	10 - 84.7
Phenol-d5		0.0120	mg/L	1	0.0800	15	10 - 54.9
Nitrobenzene-d5		0.0432	mg/L	1	0.0800	54	10 - 202
2-Fluorobiphenyl		0.0567	mg/L	1	0.0800	71	10 - 199
2,4,6-Tribromophenol		0.0558	mg/L	1	0.0800	70	10 - 141
Terphenyl-d14		0.0816	mg/L	1	0.0800	102	10 - 160

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine		<0.00500		mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500		mg/L	1	0.00500
2-Picoline		<0.00500		mg/L	1	0.00500
Methyl methanesulfonate		<0.00500		mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500		mg/L	1	0.00500
Phenol		<0.00500		mg/L	1	0.00500
Aniline		<0.00500		mg/L	1	0.00500

continued . . .

sample 131340 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
bis(2-chloroethyl)ether		<0.00500		mg/L	1	0.00500
2-Chlorophenol		<0.00500		mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500		mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500		mg/L	1	0.00500
Benzyl alcohol		<0.00500		mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500		mg/L	1	0.00500
2-Methylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500		mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500		mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500		mg/L	1	0.00500
Hexachloroethane		<0.00500		mg/L	1	0.00500
Acetophenone		<0.00500		mg/L	1	0.00500
Nitrobenzene		<0.00500		mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500		mg/L	1	0.00500
Isophorone		<0.00500		mg/L	1	0.00500
2-Nitrophenol		<0.00500		mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500		mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500		mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500		mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500		mg/L	1	0.00500
Benzoic acid		<0.00500		mg/L	1	0.00500
Naphthalene		<0.00500		mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500		mg/L	1	0.00500
4-Chloroaniline		<0.00500		mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100		mg/L	1	0.0100
Hexachlorobutadiene		<0.00500		mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500		mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500		mg/L	1	0.00500
2-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1-Methylnaphthalene		<0.00500		mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500		mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500		mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100

continued . . .

sample 131340 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0228	mg/L	1	0.0800	28	10 - 84.7
Phenol-d5		0.0158	mg/L	1	0.0800	20	10 - 54.9
Nitrobenzene-d5		0.0641	mg/L	1	0.0800	80	10 - 202
2-Fluorobiphenyl		0.0836	mg/L	1	0.0800	104	10 - 199
2,4,6-Tribromophenol		0.0649	mg/L	1	0.0800	81	10 - 141
Terphenyl-d14		0.0825	mg/L	1	0.0800	103	10 - 160

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500

continued ...

sample 131454 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
2-Naphthylamine		<0.00500		mg/L	1	0.00500
Fluorene		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Anthracene		<0.00500		mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0135	mg/L	1	0.0800	17	10 - 84.7
Phenol-d5		0.00920	mg/L	1	0.0800	12	10 - 54.9
Nitrobenzene-d5		0.0338	mg/L	1	0.0800	42	10 - 202
2-Fluorobiphenyl		0.0420	mg/L	1	0.0800	52	10 - 199
2,4,6-Tribromophenol		0.0405	mg/L	1	0.0800	51	10 - 141
Terphenyl-d14		0.0755	mg/L	1	0.0800	94	10 - 160

Method Blank (1) QC Batch: 39661

QC Batch: 39661 Date Analyzed: 2007-08-03 Analyzed By: DS
Prep Batch: 34324 QC Preparation: 2007-08-02 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0134	mg/L	1	0.0800	17	10 - 66.9
Phenol-d5		0.00940	mg/L	1	0.0800	12	10 - 50.7
Nitrobenzene-d5		0.0334	mg/L	1	0.0800	42	10 - 124
2-Fluorobiphenyl		0.0316	mg/L	1	0.0800	40	10 - 127
2,4,6-Tribromophenol		0.0398	mg/L	1	0.0800	50	10 - 138
Terphenyl-d14		0.0456	mg/L	1	0.0800	57	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 39661 Date Analyzed: 2007-08-03 Analyzed By: DS
Prep Batch: 34324 QC Preparation: 2007-08-02 Prepared By: DS

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0164	mg/L	1	0.0800	0	20	10 - 46.1
2-Chlorophenol		0.0467	mg/L	1	0.0800	0	58	10 - 123
1,4-Dichlorobenzene (para)		0.0440	mg/L	1	0.0800	0	55	10 - 118
N-Nitrosodi-n-propylamine		0.0736	mg/L	1	0.0800	0	92	10 - 132
1,2,4-Trichlorobenzene		0.0674	mg/L	1	0.0800	0	84	10 - 130
Naphthalene		0.0445	mg/L	1	0.0800	0	56	20.3 - 121
4-Chloro-3-methylphenol		0.0467	mg/L	1	0.0800	0	58	10 - 140
Acenaphthylene		0.0602	mg/L	1	0.0800	0	75	22.3 - 124
Acenaphthene		0.0571	mg/L	1	0.0800	0	71	18.8 - 134
Dibenzofuran		0.0643	mg/L	1	0.0800	0	80	37.5 - 102
4-Nitrophenol	[1]	0.139	mg/L	1	0.0800	0	174	10 - 135
2,4-Dinitrotoluene		0.0715	mg/L	1	0.0800	0	89	13.6 - 152
Fluorene		0.0635	mg/L	1	0.0800	0	79	29.7 - 114
Pentachlorophenol		0.0483	mg/L	1	0.0800	0	60	10 - 144
Anthracene		0.0674	mg/L	1	0.0800	0	84	48.2 - 118
Phenanthrene		0.0670	mg/L	1	0.0800	0	84	45.5 - 121
Fluoranthene		0.0819	mg/L	1	0.0800	0	102	42.7 - 126
Pyrene		0.0597	mg/L	1	0.0800	0	75	26.8 - 155
Benzo(a)anthracene		0.0624	mg/L	1	0.0800	0	78	60.2 - 97.3
Chrysene		0.0654	mg/L	1	0.0800	0	82	56 - 92.4
Benzo(b)fluoranthene		0.0596	mg/L	1	0.0800	0	74	73.9 - 102
Benzo(k)fluoranthene		0.0661	mg/L	1	0.0800	0	83	45.6 - 143
Benzo(a)pyrene		0.0677	mg/L	1	0.0800	0	85	54.8 - 122

continued . . .

[1] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Indeno(1,2,3-cd)pyrene	0.0759	mg/L	1	0.0800	0	95	61.4 - 118
Dibenzo(a,h)anthracene	0.0731	mg/L	1	0.0800	0	91	64.9 - 118
Benzo(g,h,i)perylene	0.0741	mg/L	1	0.0800	0	93	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0167	mg/L	1	0.0800	0	21	10 - 46.1	2	20
2-Chlorophenol	0.0471	mg/L	1	0.0800	0	59	10 - 123	1	20
1,4-Dichlorobenzene (para)	0.0443	mg/L	1	0.0800	0	55	10 - 118	1	20
N-Nitrosodi-n-propylamine	0.0753	mg/L	1	0.0800	0	94	10 - 132	2	20
1,2,4-Trichlorobenzene	0.0678	mg/L	1	0.0800	0	85	10 - 130	1	20
Naphthalene	0.0447	mg/L	1	0.0800	0	56	20.3 - 121	0	20
4-Chloro-3-methylphenol	0.0471	mg/L	1	0.0800	0	59	10 - 140	1	20
Acenaphthylene	0.0608	mg/L	1	0.0800	0	76	22.3 - 124	1	20
Acenaphthene	0.0575	mg/L	1	0.0800	0	72	18.8 - 134	1	20
Dibenzofuran	0.0653	mg/L	1	0.0800	0	82	37.5 - 102	2	20
4-Nitrophenol [2]	0.141	mg/L	1	0.0800	0	176	10 - 135	1	20
2,4-Dinitrotoluene	0.0714	mg/L	1	0.0800	0	89	13.6 - 152	0	20
Fluorene	0.0637	mg/L	1	0.0800	0	80	29.7 - 114	0	20
Pentachlorophenol	0.0503	mg/L	1	0.0800	0	63	10 - 144	4	20
Anthracene	0.0677	mg/L	1	0.0800	0	85	48.2 - 118	0	20
Phenanthrene	0.0665	mg/L	1	0.0800	0	83	45.5 - 121	1	20
Fluoranthene	0.0819	mg/L	1	0.0800	0	102	42.7 - 126	0	20
Pyrene	0.0592	mg/L	1	0.0800	0	74	26.8 - 155	1	20
Benzo(a)anthracene	0.0628	mg/L	1	0.0800	0	78	60.2 - 97.3	1	20
Chrysene	0.0653	mg/L	1	0.0800	0	82	56 - 92.4	0	20
Benzo(b)fluoranthene	0.0603	mg/L	1	0.0800	0	75	73.9 - 102	1	20
Benzo(k)fluoranthene	0.0673	mg/L	1	0.0800	0	84	45.6 - 143	2	20
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122	1	20
Indeno(1,2,3-cd)pyrene	0.0767	mg/L	1	0.0800	0	96	61.4 - 118	1	20
Dibenzo(a,h)anthracene	0.0739	mg/L	1	0.0800	0	92	64.9 - 118	1	20
Benzo(g,h,i)perylene	0.0751	mg/L	1	0.0800	0	94	46.8 - 129	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0223	0.0216	mg/L	1	0.0800	28	27	10 - 109
Phenol-d5	0.0164	0.0166	mg/L	1	0.0800	20	21	10 - 61.5
Nitrobenzene-d5	0.0607	0.0606	mg/L	1	0.0800	76	76	10 - 139
2-Fluorobiphenyl	0.0752	0.0763	mg/L	1	0.0800	94	95	10 - 139
2,4,6-Tribromophenol	0.0974	0.0972	mg/L	1	0.0800	122	122	10 - 161
Terphenyl-d14	0.0782	0.0785	mg/L	1	0.0800	98	98	10 - 144

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	QC Preparation:	2007-08-02	Prepared By:	DS

[2] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0161	mg/L	1	0.0800	0	20	10 - 53.2
2-Chlorophenol		0.0436	mg/L	1	0.0800	0	54	10 - 127
1,4-Dichlorobenzene (para)		0.0497	mg/L	1	0.0800	0	62	10 - 109
N-Nitrosodi-n-propylamine		0.0743	mg/L	1	0.0800	0	93	10 - 122
1,2,4-Trichlorobenzene		0.0794	mg/L	1	0.0800	0	99	10 - 121
Naphthalene		0.0534	mg/L	1	0.0800	0	67	16 - 95
4-Chloro-3-methylphenol		0.0430	mg/L	1	0.0800	0	54	10 - 193
Acenaphthylene		0.0621	mg/L	1	0.0800	0	78	16 - 95
Acenaphthene		0.0584	mg/L	1	0.0800	0	73	10 - 133
Dibenzofuran		0.0656	mg/L	1	0.0800	0	82	16 - 95
4-Nitrophenol	[3]	0.142	mg/L	1	0.0800	0	178	10 - 131
2,4-Dinitrotoluene		0.0718	mg/L	1	0.0800	0	90	10 - 163
Fluorene		0.0639	mg/L	1	0.0800	0	80	16 - 95
Pentachlorophenol		0.0497	mg/L	1	0.0800	0	62	10 - 163
Anthracene		0.0644	mg/L	1	0.0800	0	80	16 - 95
Phenanthrene		0.0641	mg/L	1	0.0800	0	80	16 - 95
Fluoranthene	[4]	0.0769	mg/L	1	0.0800	0	96	16 - 95
Pyrene		0.0561	mg/L	1	0.0800	0	70	17.6 - 146
Benzo(a)anthracene		0.0591	mg/L	1	0.0800	0	74	16 - 95
Chrysene		0.0622	mg/L	1	0.0800	0	78	16 - 95
Benzo(b)fluoranthene		0.0570	mg/L	1	0.0800	0	71	16 - 95
Benzo(k)fluoranthene		0.0656	mg/L	1	0.0800	0	82	16 - 95
Benzo(a)pyrene		0.0654	mg/L	1	0.0800	0	82	16 - 95
Indeno(1,2,3-cd)pyrene		0.0737	mg/L	1	0.0800	0	92	16 - 95
Dibenzo(a,h)anthracene		0.0709	mg/L	1	0.0800	0	89	16 - 95
Benzo(g,h,i)perylene		0.0724	mg/L	1	0.0800	0	90	16 - 95

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		0.0167	mg/L	1	0.0800	0	21	10 - 53.2	4	20
2-Chlorophenol		0.0458	mg/L	1	0.0800	0	57	10 - 127	5	20
1,4-Dichlorobenzene (para)		0.0512	mg/L	1	0.0800	0	64	10 - 109	3	20
N-Nitrosodi-n-propylamine		0.0784	mg/L	1	0.0800	0	98	10 - 122	5	20
1,2,4-Trichlorobenzene		0.0834	mg/L	1	0.0800	0	104	10 - 121	5	20
Naphthalene		0.0557	mg/L	1	0.0800	0	70	16 - 95	4	20
4-Chloro-3-methylphenol		0.0450	mg/L	1	0.0800	0	56	10 - 193	5	20
Acenaphthylene		0.0640	mg/L	1	0.0800	0	80	16 - 95	3	20
Acenaphthene		0.0606	mg/L	1	0.0800	0	76	10 - 133	4	20
Dibenzofuran		0.0678	mg/L	1	0.0800	0	85	16 - 95	3	20
4-Nitrophenol	[5]	0.147	mg/L	1	0.0800	0	184	10 - 131	3	20
2,4-Dinitrotoluene		0.0748	mg/L	1	0.0800	0	94	10 - 163	4	20
Fluorene		0.0652	mg/L	1	0.0800	0	82	16 - 95	2	20
Pentachlorophenol		0.0524	mg/L	1	0.0800	0	66	10 - 163	5	20
Anthracene		0.0675	mg/L	1	0.0800	0	84	16 - 95	5	20
Phenanthrene		0.0675	mg/L	1	0.0800	0	84	16 - 95	5	20
Fluoranthene	[6]	0.0807	mg/L	1	0.0800	0	101	16 - 95	5	20

continued . . .

[3] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •
[4] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •
[6] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyrene	0.0582	mg/L	1	0.0800	0	73	17.6 - 146	4	20
Benzo(a)anthracene	0.0622	mg/L	1	0.0800	0	78	16 - 95	5	20
Chrysene	0.0640	mg/L	1	0.0800	0	80	16 - 95	3	20
Benzo(b)fluoranthene	0.0564	mg/L	1	0.0800	0	70	16 - 95	1	20
Benzo(k)fluoranthene	0.0640	mg/L	1	0.0800	0	80	16 - 95	2	20
Benzo(a)pyrene	0.0648	mg/L	1	0.0800	0	81	16 - 95	1	20
Indeno(1,2,3-cd)pyrene	0.0728	mg/L	1	0.0800	0	91	16 - 95	1	20
Dibenzo(a,h)anthracene	0.0701	mg/L	1	0.0800	0	88	16 - 95	1	20
Benzo(g,h,i)perylene	0.0710	mg/L	1	0.0800	0	89	16 - 95	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0198	0.0206	mg/L	1	0.08	25	26	10 - 72.2
Phenol-d5	0.0161	0.0166	mg/L	1	0.08	20	21	10 - 50.2
Nitrobenzene-d5	0.0597	0.0618	mg/L	1	0.08	75	77	10 - 131
2-Fluorobiphenyl	0.0841	0.0872	mg/L	1	0.08	105	109	10 - 118
2,4,6-Tribromophenol	0.0976	0.0991	mg/L	1	0.08	122	124	10 - 181
Terphenyl-d14	0.0744	0.0777	mg/L	1	0.08	93	97	10 - 155

Standard (CCV-1)

QC Batch: 39661 Date Analyzed: 2007-08-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	55.3	92	80 - 120	2007-08-03
1,4-Dichlorobenzene (para)		mg/L	60.0	57.2	95	80 - 120	2007-08-03
2-Nitrophenol		mg/L	60.0	65.7	110	80 - 120	2007-08-03
2,4-Dichlorophenol		mg/L	60.0	66.1	110	80 - 120	2007-08-03
Hexachlorobutadiene		mg/L	60.0	64.2	107	80 - 120	2007-08-03
4-Chloro-3-methylphenol		mg/L	60.0	51.0	85	80 - 120	2007-08-03
2,4,6-Trichlorophenol		mg/L	60.0	67.8	113	80 - 120	2007-08-03
Acenaphthene		mg/L	60.0	53.8	90	80 - 120	2007-08-03
Diphenylamine		mg/L	60.0	56.0	93	80 - 120	2007-08-03
Pentachlorophenol		mg/L	60.0	66.1	110	80 - 120	2007-08-03
Fluoranthene		mg/L	60.0	64.5	108	80 - 120	2007-08-03
Di-n-octylphthalate		mg/L	60.0	50.2	84	80 - 120	2007-08-03
Benzo(a)pyrene		mg/L	60.0	60.0	100	80 - 120	2007-08-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		50.8	mg/L	1	60.0	85	80 - 120
Phenol-d5	[7]	47.5	mg/L	1	60.0	79	80 - 120
Nitrobenzene-d5		57.7	mg/L	1	60.0	96	80 - 120
2-Fluorobiphenyl		63.3	mg/L	1	60.0	106	80 - 120

continued . . .

[7] Phenol-d5 outside of control limits on CCV(ICV). CCV(ICV) component average is 101% which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2,4,6-Tribromophenol	[8]	97.5	mg/L	1	60.0	162	80 - 120
Terphenyl-d14		61.8	mg/L	1	60.0	103	80 - 120

[8] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 101% which is within acceptable range. This is acceptable by Method 8000.

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TDS	SM 2540C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39749	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34411	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**7150**		mg/L	1	5.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39749	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34411	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**6320**		mg/L	1	5.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39749	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34411	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**7380**		mg/L	1	5.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39749	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34411	Sample Preparation:	2007-07-27	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**7310**		mg/L	1	5.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	39943	Date Analyzed:	2007-08-03	Analyzed By:	JG
Prep Batch:	34577	Sample Preparation:	2007-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**5200**	mg/L	1	5.00

Method Blank (1) QC Batch: 39749

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG
Prep Batch: 34411 QC Preparation: 2007-07-27 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 39943

QC Batch: 39943 Date Analyzed: 2007-08-03 Analyzed By: JG
Prep Batch: 34577 QC Preparation: 2007-08-03 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Duplicates (1)

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG
Prep Batch: 34411 QC Preparation: 2007-07-27 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	246	242	mg/L	1	2	20

Standard (ICV-1)

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2007-07-27

Standard (CCV-1)

QC Batch: 39749 Date Analyzed: 2007-07-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1020	102	94.4 - 106	2007-07-27

Standard (ICV-1)

QC Batch: 39943 Date Analyzed: 2007-08-03 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	997	100	94.4 - 106	2007-08-03

Standard (CCV-1)

QC Batch: 39943 Date Analyzed: 2007-08-03 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	995	100	94.4 - 106	2007-08-03

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TKN	E 351.3

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	TKN	Analytical Method:	E 351.3	Prep Method:	N/A
QC Batch:	39709	Date Analyzed:	2007-08-02	Analyzed By:	JS
Prep Batch:	34369	Sample Preparation:	2007-08-02	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<4.00	mg/L	1	4.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	TKN	Analytical Method:	E 351.3	Prep Method:	N/A
QC Batch:	39709	Date Analyzed:	2007-08-02	Analyzed By:	JS
Prep Batch:	34369	Sample Preparation:	2007-08-02	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<4.00	mg/L	1	4.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	TKN	Analytical Method:	E 351.3	Prep Method:	N/A
QC Batch:	39709	Date Analyzed:	2007-08-02	Analyzed By:	JS
Prep Batch:	34369	Sample Preparation:	2007-08-02	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<4.00	mg/L	1	4.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	TKN	Analytical Method:	E 351.3	Prep Method:	N/A
QC Batch:	39709	Date Analyzed:	2007-08-02	Analyzed By:	JS
Prep Batch:	34369	Sample Preparation:	2007-08-02	Prepared By:	JS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<4.00	mg/L	1	4.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	TKN	Analytical Method:	E 351.3	Prep Method:	N/A
QC Batch:	39933	Date Analyzed:	2007-08-10	Analyzed By:	MM
Prep Batch:	34565	Sample Preparation:	2007-08-09	Prepared By:	MM

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<4.00	mg/L	1	4.00

Method Blank (1) QC Batch: 39709

QC Batch: 39709 Date Analyzed: 2007-08-02 Analyzed By: JS
Prep Batch: 34369 QC Preparation: 2007-08-02 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<5.22	mg/L	4

Method Blank (1) QC Batch: 39933

QC Batch: 39933 Date Analyzed: 2007-08-10 Analyzed By: MM
Prep Batch: 34565 QC Preparation: 2007-08-09 Prepared By: MM

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<5.22	mg/L	4

Laboratory Control Spike (LCS-1)

QC Batch: 39709 Date Analyzed: 2007-08-02 Analyzed By: JS
Prep Batch: 34369 QC Preparation: 2007-08-02 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	44.9	mg/L	1	50.0	<5.22	90	57.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	45.2	mg/L	1	50.0	<5.22	90	57.6 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39933 Date Analyzed: 2007-08-10 Analyzed By: MM
Prep Batch: 34565 QC Preparation: 2007-08-09 Prepared By: MM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	40.6	mg/L	1	50.0	<5.22	81	57.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	42.3	mg/L	1	50.0	<5.22	85	57.6 - 105	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131444

QC Batch: 39709 Date Analyzed: 2007-08-02 Analyzed By: JS
Prep Batch: 34369 QC Preparation: 2007-08-02 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	47.9	mg/L	1	50.0	<5.22	96	36.8 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	47.7	mg/L	1	50.0	<5.22	95	36.8 - 124	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 39933 Date Analyzed: 2007-08-10 Analyzed By: MM
Prep Batch: 34565 QC Preparation: 2007-08-09 Prepared By: MM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	46.8	mg/L	1	50.0	<5.22	84	36.8 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	50.3	mg/L	1	50.0	<5.22	90	36.8 - 124	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39709 Date Analyzed: 2007-08-02 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.26	85	85 - 115	2007-08-02

Standard (CCV-1)

QC Batch: 39709 Date Analyzed: 2007-08-02 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.26	85	85 - 115	2007-08-02

Standard (ICV-1)

QC Batch: 39933 Date Analyzed: 2007-08-10 Analyzed By: MM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.59	92	85 - 115	2007-08-10

Standard (CCV-1)

QC Batch: 39933 Date Analyzed: 2007-08-10 Analyzed By: MM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.79	96	85 - 115	2007-08-10

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TOC	E 415.1

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	39573	Date Analyzed:	2007-07-31	Analyzed By:	AL
Prep Batch:	34255	Sample Preparation:	2007-07-31	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		<1.00		mg/L	1	1.00

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	39573	Date Analyzed:	2007-07-31	Analyzed By:	AL
Prep Batch:	34255	Sample Preparation:	2007-07-31	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		<1.00		mg/L	1	1.00

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	39573	Date Analyzed:	2007-07-31	Analyzed By:	AL
Prep Batch:	34255	Sample Preparation:	2007-07-31	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		<1.00		mg/L	1	1.00

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	39573	Date Analyzed:	2007-07-31	Analyzed By:	AL
Prep Batch:	34255	Sample Preparation:	2007-07-31	Prepared By:	AL

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Organic Carbon		<1.00		mg/L	1	1.00

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	39637	Date Analyzed:	2007-08-02	Analyzed By:	AL
Prep Batch:	34306	Sample Preparation:	2007-08-02	Prepared By:	AL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Organic Carbon		<1.00	mg/L	1	1.00

Method Blank (1) QC Batch: 39573

QC Batch: 39573 Date Analyzed: 2007-07-31 Analyzed By: AL
Prep Batch: 34255 QC Preparation: 2007-07-31 Prepared By: AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 39637

QC Batch: 39637 Date Analyzed: 2007-08-02 Analyzed By: AL
Prep Batch: 34306 QC Preparation: 2007-08-02 Prepared By: AL

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Laboratory Control Spike (LCS-1)

QC Batch: 39573 Date Analyzed: 2007-07-31 Analyzed By: AL
Prep Batch: 34255 QC Preparation: 2007-07-31 Prepared By: AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.74	mg/L	1	5.00	<0.382	115	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	4.72	mg/L	1	5.00	<0.382	94	70 - 130	20	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39637 Date Analyzed: 2007-08-02 Analyzed By: AL
Prep Batch: 34306 QC Preparation: 2007-08-02 Prepared By: AL

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.13	mg/L	1	5.00	<0.382	103	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.22	mg/L	1	5.00	<0.382	104	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131340

QC Batch: 39573 Date Analyzed: 2007-07-31 Analyzed By: AL
Prep Batch: 34255 QC Preparation: 2007-07-31 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.86	mg/L	1	5.00	<0.382	117	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	6.06	mg/L	1	5.00	<0.382	121	70 - 130	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131543

QC Batch: 39637 Date Analyzed: 2007-08-02 Analyzed By: AL
Prep Batch: 34306 QC Preparation: 2007-08-02 Prepared By: AL

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	21.8	mg/L	1	5.00	16.7	102	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	20.7	mg/L	1	5.00	16.7	80	70 - 130	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39573 Date Analyzed: 2007-07-31 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.66	113	80 - 120	2007-07-31

Standard (CCV-1)

QC Batch: 39573 Date Analyzed: 2007-07-31 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.78	116	80 - 120	2007-07-31

Standard (ICV-1)

QC Batch: 39637 Date Analyzed: 2007-08-02 Analyzed By: AL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	4.90	98	80 - 120	2007-08-02

Standard (CCV-1)

QC Batch: 39637 Date Analyzed: 2007-08-02 Analyzed By: AL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.34	107	80 - 120	2007-08-02

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Be, Total	S 6010B
Cd, Total	S 6010B
Co, Total	S 6010B
Cr, Total	S 6010B
Cu, Total	S 6010B
Mo, Total	S 6010B
Ni, Total	S 6010B
Pb, Total	S 6010B
Se, Total	S 6010B
Sn, Total	S 6010B
V, Total	S 6010B
Zn, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

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Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	39567	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34234	Sample Preparation:	2007-07-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0150**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Tin		<0.0250	mg/L	1	0.0250
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	39567	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34234	Sample Preparation:	2007-07-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0100**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Tin		<0.0250	mg/L	1	0.0250
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	39567	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34234	Sample Preparation:	2007-07-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0156**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Tin		<0.0250	mg/L	1	0.0250
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	39567	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34234	Sample Preparation:	2007-07-31	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0159**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Tin		<0.0250	mg/L	1	0.0250
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	39654	Date Analyzed:	2007-08-03	Analyzed By:	RR
Prep Batch:	34319	Sample Preparation:	2007-08-03	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0100**	mg/L	1	0.0100
Total Beryllium		<0.00250	mg/L	1	0.00250
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Cobalt		<0.00500	mg/L	1	0.00500
Total Chromium		<0.00500	mg/L	1	0.00500
Total Copper		<0.00500	mg/L	1	0.00500
Total Molybdenum		<0.0500	mg/L	1	0.0500
Total Nickel		<0.00500	mg/L	1	0.00500
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100
Total Tin		<0.0250	mg/L	1	0.0250
Total Vanadium		<0.00500	mg/L	1	0.00500
Total Zinc		<0.00500	mg/L	1	0.00500

Method Blank (1) QC Batch: 39567

QC Batch:	39567	Date Analyzed:	2007-07-31	Analyzed By:	RR
Prep Batch:	34234	QC Preparation:	2007-07-31	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.002
Total Arsenic		<0.00430	mg/L	0.01
Total Barium		<0.00170	mg/L	0.01
Total Beryllium		<0.00220	mg/L	0.0025
Total Cadmium		<0.00140	mg/L	0.001
Total Cobalt		<0.00220	mg/L	0.005
Total Chromium		<0.000900	mg/L	0.005
Total Copper		<0.00140	mg/L	0.005
Total Molybdenum		<0.00790	mg/L	0.05
Total Nickel		<0.00190	mg/L	0.005
Total Lead		<0.00740	mg/L	0.005
Total Selenium		<0.0131	mg/L	0.01
Total Tin		<0.0124	mg/L	0.025
Total Vanadium		<0.00150	mg/L	0.005
Total Zinc		<0.00710	mg/L	0.005

Method Blank (1) QC Batch: 39654

QC Batch:	39654	Date Analyzed:	2007-08-03	Analyzed By:	RR
Prep Batch:	34319	QC Preparation:	2007-08-03	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.002
Total Arsenic		<0.00430	mg/L	0.01
Total Barium		<0.00170	mg/L	0.01
Total Beryllium		<0.00220	mg/L	0.0025
Total Cadmium		<0.00140	mg/L	0.001
Total Cobalt		<0.00220	mg/L	0.005
Total Chromium		<0.000900	mg/L	0.005
Total Copper		<0.00140	mg/L	0.005
Total Molybdenum		<0.00790	mg/L	0.05
Total Nickel		<0.00190	mg/L	0.005
Total Lead		<0.00740	mg/L	0.005
Total Selenium		<0.0131	mg/L	0.01
Total Tin		<0.0124	mg/L	0.025
Total Vanadium		<0.00150	mg/L	0.005
Total Zinc		<0.00710	mg/L	0.005

Laboratory Control Spike (LCS-1)

QC Batch: 39567 Date Analyzed: 2007-07-31 Analyzed By: RR
Prep Batch: 34234 QC Preparation: 2007-07-31 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.124	mg/L	1	0.125	<0.00210	99	87.2 - 108
Total Arsenic	0.487	mg/L	1	0.500	<0.00430	97	81.9 - 110
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111
Total Beryllium	0.0247	mg/L	1	0.0250	<0.00220	99	78.1 - 117
Total Cadmium	0.248	mg/L	1	0.250	<0.00140	99	83.4 - 111
Total Cobalt	0.251	mg/L	1	0.250	<0.00220	100	91 - 108
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115
Total Copper	0.125	mg/L	1	0.125	<0.00140	100	91.2 - 109
Total Molybdenum	0.518	mg/L	1	0.500	<0.00790	104	80 - 114
Total Nickel	0.253	mg/L	1	0.250	<0.00190	101	86.1 - 111
Total Lead	0.500	mg/L	1	0.500	<0.00740	100	88 - 108
Total Selenium	0.414	mg/L	1	0.500	<0.0131	83	70.2 - 111
Total Tin	0.300	mg/L	1	0.300	<0.0124	100	77.9 - 117
Total Vanadium	0.247	mg/L	1	0.250	<0.00150	99	85.9 - 110
Total Zinc	0.227	mg/L	1	0.250	<0.00710	91	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.125	mg/L	1	0.125	<0.00210	100	87.2 - 108	1	20
Total Arsenic	0.482	mg/L	1	0.500	<0.00430	96	81.9 - 110	1	20
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111	0	20
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.1 - 117	3	20
Total Cadmium	0.250	mg/L	1	0.250	<0.00140	100	83.4 - 111	1	20
Total Cobalt	0.254	mg/L	1	0.250	<0.00220	102	91 - 108	1	20
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.126	mg/L	1	0.125	<0.00140	101	91.2 - 109	1	20
Total Molybdenum	0.523	mg/L	1	0.500	<0.00790	105	80 - 114	1	20
Total Nickel	0.254	mg/L	1	0.250	<0.00190	102	86.1 - 111	0	20
Total Lead	0.501	mg/L	1	0.500	<0.00740	100	88 - 108	0	20
Total Selenium	0.411	mg/L	1	0.500	<0.0131	82	70.2 - 111	1	20
Total Tin	0.303	mg/L	1	0.300	<0.0124	101	77.9 - 117	1	20
Total Vanadium	0.250	mg/L	1	0.250	<0.00150	100	85.9 - 110	1	20
Total Zinc	0.233	mg/L	1	0.250	<0.00710	93	82.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 39654 Date Analyzed: 2007-08-03 Analyzed By: RR
Prep Batch: 34319 QC Preparation: 2007-08-03 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.126	mg/L	1	0.125	<0.00210	101	87.2 - 108
Total Arsenic	0.496	mg/L	1	0.500	<0.00430	99	81.9 - 110
Total Barium	1.03	mg/L	1	1.00	<0.00170	103	88.7 - 111
Total Beryllium	0.0246	mg/L	1	0.0250	<0.00220	98	78.1 - 117
Total Cadmium	0.252	mg/L	1	0.250	<0.00140	101	83.4 - 111
Total Cobalt	0.257	mg/L	1	0.250	<0.00220	103	91 - 108
Total Chromium	0.106	mg/L	1	0.100	<0.000900	106	86.5 - 115
Total Copper	0.126	mg/L	1	0.125	<0.00140	101	91.2 - 109
Total Molybdenum	0.530	mg/L	1	0.500	<0.00790	106	80 - 114
Total Nickel	0.259	mg/L	1	0.250	<0.00190	104	86.1 - 111
Total Lead	0.499	mg/L	1	0.500	<0.00740	100	88 - 108
Total Selenium	0.442	mg/L	1	0.500	<0.0131	88	70.2 - 111
Total Tin	0.306	mg/L	1	0.300	<0.0124	102	77.9 - 117
Total Vanadium	0.249	mg/L	1	0.250	<0.00150	100	85.9 - 110
Total Zinc	0.229	mg/L	1	0.250	<0.00710	92	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.124	mg/L	1	0.125	<0.00210	99	87.2 - 108	2	20
Total Arsenic	0.490	mg/L	1	0.500	<0.00430	98	81.9 - 110	1	20
Total Barium	1.02	mg/L	1	1.00	<0.00170	102	88.7 - 111	1	20
Total Beryllium	0.0240	mg/L	1	0.0250	<0.00220	96	78.1 - 117	2	20
Total Cadmium	0.248	mg/L	1	0.250	<0.00140	99	83.4 - 111	2	20
Total Cobalt	0.254	mg/L	1	0.250	<0.00220	102	91 - 108	1	20
Total Chromium	0.105	mg/L	1	0.100	<0.000900	105	86.5 - 115	1	20
Total Copper	0.125	mg/L	1	0.125	<0.00140	100	91.2 - 109	1	20
Total Molybdenum	0.525	mg/L	1	0.500	<0.00790	105	80 - 114	1	20
Total Nickel	0.256	mg/L	1	0.250	<0.00190	102	86.1 - 111	1	20
Total Lead	0.490	mg/L	1	0.500	<0.00740	98	88 - 108	2	20
Total Selenium	0.435	mg/L	1	0.500	<0.0131	87	70.2 - 111	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Tin	0.302	mg/L	1	0.300	<0.0124	101	77.9 - 117	1	20
Total Vanadium	0.246	mg/L	1	0.250	<0.00150	98	85.9 - 110	1	20
Total Zinc	0.235	mg/L	1	0.250	<0.00710	94	82.9 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131334

QC Batch: 39567 Date Analyzed: 2007-07-31 Analyzed By: RR
Prep Batch: 34234 QC Preparation: 2007-07-31 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.110	mg/L	1	0.125	<0.00210	88	80.5 - 104
Total Arsenic	0.430	mg/L	1	0.500	<0.00440	86	67.6 - 116
Total Barium	0.851	mg/L	1	1.00	0.015	84	61.9 - 120
Total Beryllium	0.0230	mg/L	1	0.0250	<0.00220	92	76.5 - 118
Total Cadmium	0.194	mg/L	1	0.250	<0.00140	78	72.9 - 109
Total Cobalt	0.193	mg/L	1	0.250	<0.00220	77	71 - 112
Total Chromium	0.0830	mg/L	1	0.100	<0.000900	83	66.2 - 121
Total Copper	0.107	mg/L	1	0.125	<0.00140	86	84.1 - 108
Total Molybdenum	0.424	mg/L	1	0.500	<0.00790	85	60.1 - 125
Total Nickel	0.190	mg/L	1	0.250	<0.00190	76	56.1 - 119
Total Lead	0.435	mg/L	1	0.500	<0.00740	87	74.1 - 111
Total Selenium	0.396	mg/L	1	0.500	<0.0131	79	64.3 - 111
Total Tin	0.237	mg/L	1	0.300	<0.0124	79	70.1 - 117
Total Vanadium	0.211	mg/L	1	0.250	0.003	83	74.1 - 110
Total Zinc	0.197	mg/L	1	0.250	<0.00710	79	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.110	mg/L	1	0.125	<0.00210	88	80.5 - 104	0	20
Total Arsenic	0.421	mg/L	1	0.500	<0.00440	84	67.6 - 116	2	20
Total Barium	0.828	mg/L	1	1.00	0.015	81	61.9 - 120	3	20
Total Beryllium	0.0223	mg/L	1	0.0250	<0.00220	89	76.5 - 118	3	20
Total Cadmium	0.189	mg/L	1	0.250	<0.00140	76	72.9 - 109	3	20
Total Cobalt	0.192	mg/L	1	0.250	<0.00220	77	71 - 112	0	20
Total Chromium	0.0830	mg/L	1	0.100	<0.000900	83	66.2 - 121	0	20
Total Copper	0.106	mg/L	1	0.125	<0.00140	85	84.1 - 108	1	20
Total Molybdenum	0.423	mg/L	1	0.500	<0.00790	85	60.1 - 125	0	20
Total Nickel	0.188	mg/L	1	0.250	<0.00190	75	56.1 - 119	1	20
Total Lead	0.425	mg/L	1	0.500	<0.00740	85	74.1 - 111	2	20
Total Selenium	0.391	mg/L	1	0.500	<0.0131	78	64.3 - 111	1	20
Total Tin	0.232	mg/L	1	0.300	<0.0124	77	70.1 - 117	2	20
Total Vanadium	0.205	mg/L	1	0.250	0.003	81	74.1 - 110	3	20
Total Zinc	0.201	mg/L	1	0.250	<0.00710	80	75.5 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 39654 | Date Analyzed: 2007-08-03 | Analyzed By: RR
Prep Batch: 34319 | QC Preparation: 2007-08-03 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.111	mg/L	1	0.125	<0.00210	89	80.5 - 104
Total Arsenic	0.450	mg/L	1	0.500	<0.00440	90	67.6 - 116
Total Barium	0.848	mg/L	1	1.00	0.01	84	61.9 - 120
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	76.5 - 118
Total Cadmium	0.196	mg/L	1	0.250	<0.00140	78	72.9 - 109
Total Cobalt	0.199	mg/L	1	0.250	<0.00220	80	71 - 112
Total Chromium	0.0850	mg/L	1	0.100	<0.000900	85	66.2 - 121
Total Copper	0.108	mg/L	1	0.125	<0.00140	86	84.1 - 108
Total Molybdenum	0.439	mg/L	1	0.500	<0.00790	88	60.1 - 125
Total Nickel	0.196	mg/L	1	0.250	<0.00190	78	56.1 - 119
Total Lead	0.392	mg/L	1	0.500	<0.00740	78	74.1 - 111
Total Selenium	0.403	mg/L	1	0.500	<0.0131	81	64.3 - 111
Total Tin	0.238	mg/L	1	0.300	<0.0124	79	70.1 - 117
Total Vanadium	0.211	mg/L	1	0.250	<0.00150	84	74.1 - 110
Total Zinc	0.208	mg/L	1	0.250	<0.00710	83	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.111	mg/L	1	0.125	<0.00210	89	80.5 - 104	0	20
Total Arsenic	0.443	mg/L	1	0.500	<0.00440	89	67.6 - 116	2	20
Total Barium	0.847	mg/L	1	1.00	0.01	84	61.9 - 120	0	20
Total Beryllium	0.0220	mg/L	1	0.0250	<0.00220	88	76.5 - 118	0	20
Total Cadmium	0.194	mg/L	1	0.250	<0.00140	78	72.9 - 109	1	20
Total Cobalt	0.199	mg/L	1	0.250	<0.00220	80	71 - 112	0	20
Total Chromium	0.0850	mg/L	1	0.100	<0.000900	85	66.2 - 121	0	20
Total Copper	0.109	mg/L	1	0.125	<0.00140	87	84.1 - 108	1	20
Total Molybdenum	0.437	mg/L	1	0.500	<0.00790	87	60.1 - 125	0	20
Total Nickel	0.195	mg/L	1	0.250	<0.00190	78	56.1 - 119	0	20
Total Lead	0.390	mg/L	1	0.500	<0.00740	78	74.1 - 111	0	20
Total Selenium	0.398	mg/L	1	0.500	<0.0131	80	64.3 - 111	1	20
Total Tin	0.238	mg/L	1	0.300	<0.0124	79	70.1 - 117	0	20
Total Vanadium	0.211	mg/L	1	0.250	<0.00150	84	74.1 - 110	0	20
Total Zinc	0.207	mg/L	1	0.250	<0.00710	83	75.5 - 113	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 39567 | Date Analyzed: 2007-07-31 | Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2007-07-31
Total Arsenic		mg/L	1.00	0.994	99	90 - 110	2007-07-31

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Total Beryllium		mg/L	1.00	0.989	99	90 - 110	2007-07-31
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2007-07-31
Total Cobalt		mg/L	1.00	0.988	99	90 - 110	2007-07-31
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2007-07-31
Total Copper		mg/L	1.00	0.999	100	90 - 110	2007-07-31
Total Molybdenum		mg/L	1.00	0.972	97	90 - 110	2007-07-31
Total Nickel		mg/L	1.00	0.978	98	90 - 110	2007-07-31
Total Lead		mg/L	1.00	1.00	100	90 - 110	2007-07-31
Total Selenium		mg/L	1.00	0.975	98	90 - 110	2007-07-31
Total Tin		mg/L	1.00	1.01	101	90 - 110	2007-07-31
Total Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-07-31
Total Zinc		mg/L	1.00	0.997	100	90 - 110	2007-07-31

Standard (CCV-1)

QC Batch: 39567 Date Analyzed: 2007-07-31 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.129	103	90 - 110	2007-07-31
Total Arsenic		mg/L	1.00	1.01	101	90 - 110	2007-07-31
Total Barium		mg/L	1.00	1.05	105	90 - 110	2007-07-31
Total Beryllium		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Total Cadmium		mg/L	1.00	1.06	106	90 - 110	2007-07-31
Total Cobalt		mg/L	1.00	1.02	102	90 - 110	2007-07-31
Total Chromium		mg/L	1.00	1.04	104	90 - 110	2007-07-31
Total Copper		mg/L	1.00	1.03	103	90 - 110	2007-07-31
Total Molybdenum		mg/L	1.00	0.999	100	90 - 110	2007-07-31
Total Nickel		mg/L	1.00	1.00	100	90 - 110	2007-07-31
Total Lead		mg/L	1.00	1.03	103	90 - 110	2007-07-31
Total Selenium		mg/L	1.00	1.00	100	90 - 110	2007-07-31
Total Tin		mg/L	1.00	1.05	105	90 - 110	2007-07-31
Total Vanadium		mg/L	1.00	1.06	106	90 - 110	2007-07-31
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2007-07-31

Standard (ICV-1)

QC Batch: 39654 Date Analyzed: 2007-08-03 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2007-08-03
Total Arsenic		mg/L	1.00	0.998	100	90 - 110	2007-08-03
Total Barium		mg/L	1.00	1.03	103	90 - 110	2007-08-03
Total Beryllium		mg/L	1.00	0.997	100	90 - 110	2007-08-03

continued ...

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-08-03
Total Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-08-03
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2007-08-03
Total Copper		mg/L	1.00	1.00	100	90 - 110	2007-08-03
Total Molybdenum		mg/L	1.00	0.994	99	90 - 110	2007-08-03
Total Nickel		mg/L	1.00	0.998	100	90 - 110	2007-08-03
Total Lead		mg/L	1.00	0.998	100	90 - 110	2007-08-03
Total Selenium		mg/L	1.00	1.01	101	90 - 110	2007-08-03
Total Tin		mg/L	1.00	1.03	103	90 - 110	2007-08-03
Total Vanadium		mg/L	1.00	1.03	103	90 - 110	2007-08-03
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2007-08-03

Standard (CCV-1)

QC Batch: 39654 Date Analyzed: 2007-08-03 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2007-08-03
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2007-08-03
Total Barium		mg/L	1.00	1.01	101	90 - 110	2007-08-03
Total Beryllium		mg/L	1.00	0.993	99	90 - 110	2007-08-03
Total Cadmium		mg/L	1.00	1.05	105	90 - 110	2007-08-03
Total Cobalt		mg/L	1.00	1.00	100	90 - 110	2007-08-03
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2007-08-03
Total Copper		mg/L	1.00	0.988	99	90 - 110	2007-08-03
Total Molybdenum		mg/L	1.00	0.983	98	90 - 110	2007-08-03
Total Nickel		mg/L	1.00	1.00	100	90 - 110	2007-08-03
Total Lead		mg/L	1.00	1.05	105	90 - 110	2007-08-03
Total Selenium		mg/L	1.00	1.00	100	90 - 110	2007-08-03
Total Tin		mg/L	1.00	1.04	104	90 - 110	2007-08-03
Total Vanadium		mg/L	1.00	1.02	102	90 - 110	2007-08-03
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2007-08-03

Analytical and Quality Control Report

Jim Thompson
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: September 4, 2007

Work Order: 7073034

Project Name: Rhodes Canyon Landfill
Project Number: 16

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131334	WSMR-014-RCRC-006-0707	water	2007-07-27	12:10	2007-07-27
131335	WSMR-014-TB-894	water	2007-07-27	12:10	2007-07-27
131336	WSMR-014-RCRC-003-0707	water	2007-07-27	13:30	2007-07-27
131337	WSMR-014-TB-891	water	2007-07-27	13:30	2007-07-27
131338	WSMR-014-RCRC-005-0707	water	2007-07-26	14:10	2007-07-26
131339	WSMR-014-TB-892	water	2007-07-26	14:10	2007-07-26
131340	WSMR-014-RCRC-105-0707	water	2007-07-26	14:10	2007-07-26
131341	WSMR-014-TB-893	water	2007-07-26	14:10	2007-07-26
131454	WSMR-014-RCRC-001-0707	water	2007-07-30	10:32	2007-07-30
131455	WSMR-014-TB-890	water	2007-07-30	10:32	2007-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 42 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill, Rhodes Canyon Landfill and Rhodes Canyon Landfill were received by TraceAnalysis, Inc. on 2007-07-27, 2007-07-27, 2007-07-26, 2007-07-26 and 2007-07-30 and assigned to work orders 7073034, 7073035, 7073036, 7073037 and 7080105 respecively. Samples for work order 7073034 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073035 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073036 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7073037 were received intact without headspace and at a temperature of 4.0 deg C.Samples for work order 7080105 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work orders 7073034, 7073035, 7073036, 7073037 and 7080105 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131334 - WSMR-014-RCRC-006-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00

continued . . .

sample 131334 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[1]	57.9	µg/L	1	50.0	116	82.4 - 115
Toluene-d8		51.8	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.8	µg/L	1	50.0	92	84.6 - 114

Sample: 131335 - WSMR-014-TB-894

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0

continued . . .

[1] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131335 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 131335 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[2]	59.1	µg/L	1	50.0	118	82.4 - 115
Toluene-d8		53.1	µg/L	1	50.0	106	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.6	µg/L	1	50.0	93	84.6 - 114

Sample: 131336 - WSMR-014-RCRC-003-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00

continued . . .

[2] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131336 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[3]	59.8	µg/L	1	50.0	120	82.4 - 115
Toluene-d8		52.6	µg/L	1	50.0	105	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.7	µg/L	1	50.0	93	84.6 - 114

Sample: 131337 - WSMR-014-TB-891

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued

[3] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131337 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[4]	58.6	µg/L	1	50.0	117	82.4 - 115
Toluene-d8		52.9	µg/L	1	50.0	106	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 131338 - WSMR-014-RCRC-005-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00

continued . . .

[4] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131338 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00

continued ...

sample 131338 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[5]	59.4	µg/L	1	50.0	119	82.4 - 115
Toluene-d8		52.2	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.2	µg/L	1	50.0	92	84.6 - 114

Sample: 131339 - WSMR-014-TB-892

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0

continued . . .

[5] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131339 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 131339 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[6]	60.5	µg/L	1	50.0	121	82.4 - 115
Toluene-d8		52.8	µg/L	1	50.0	106	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.5	µg/L	1	50.0	93	84.6 - 114

Sample: 131340 - WSMR-014-RCRC-105-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00

continued . . .

[6] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131340 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[7]	61.0	µg/L	1	50.0	122	82.4 - 115
Toluene-d8		52.8	µg/L	1	50.0	106	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.1	µg/L	1	50.0	92	84.6 - 114

[7] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Sample: 131341 - WSMR-014-TB-893

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39551	Date Analyzed:	2007-07-30	Analyzed By:	JG
Prep Batch:	34236	Sample Preparation:	2007-07-30	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 131341 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[8]	60.7	µg/L	1	50.0	121	82.4 - 115
Toluene-d8		52.6	µg/L	1	50.0	105	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.8	µg/L	1	50.0	94	84.6 - 114

Sample: 131454 - WSMR-014-RCRC-001-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39662	Date Analyzed:	2007-08-02	Analyzed By:	JG
Prep Batch:	34325	Sample Preparation:	2007-08-02	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00

continued . . .

[8] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131454 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00

continued ...

sample 131454 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.2	µg/L	1	50.0	90	82.4 - 115
Toluene-d8		49.6	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.7	µg/L	1	50.0	91	84.6 - 114

Sample: 131455 - WSMR-014-TB-890

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39662	Date Analyzed:	2007-08-02	Analyzed By:	JG
Prep Batch:	34325	Sample Preparation:	2007-08-02	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued ...

sample 131455 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.3	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		48.7	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.8	µg/L	1	50.0	88	84.6 - 114

Method Blank (1) QC Batch: 39551

QC Batch: 39551 Date Analyzed: 2007-07-30 Analyzed By: JG
Prep Batch: 34236 QC Preparation: 2007-07-30 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.64	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		56.4	µg/L	1	50.0	113	82.4 - 115
Toluene-d8		51.5	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.2	µg/L	1	50.0	92	84.6 - 114

Method Blank (1) QC Batch: 39662

QC Batch: 39662 Date Analyzed: 2007-08-02 Analyzed By: JG
Prep Batch: 34325 QC Preparation: 2007-08-02 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.29	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.7	µg/L	1	50.0	87	82.4 - 115
Toluene-d8		48.7	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.8	µg/L	1	50.0	88	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39551 Date Analyzed: 2007-07-30 Analyzed By: JG
Prep Batch: 34236 QC Preparation: 2007-07-30 Prepared By: JG

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		50.8	µg/L	1	50.0	<0.351	102	85.7 - 113
Dichlorodifluoromethane		55.7	µg/L	1	50.0	<0.306	111	60.3 - 134
Chloromethane (methyl chloride)	[9]	62.2	µg/L	1	50.0	<0.240	124	72 - 120
Vinyl Chloride		54.2	µg/L	1	50.0	<0.224	108	64.4 - 132
Bromomethane (methyl bromide)		61.7	µg/L	1	50.0	<0.325	123	65.9 - 133
Chloroethane		59.7	µg/L	1	50.0	<0.303	119	65.3 - 132
Trichlorofluoromethane		56.2	µg/L	1	50.0	<0.255	112	52.7 - 159
Acetone		47.1	µg/L	1	50.0	<1.86	94	10 - 185
Iodomethane (methyl iodide)		48.5	µg/L	1	50.0	<0.397	97	80.9 - 112
Carbon Disulfide		49.4	µg/L	1	50.0	<0.354	99	73.7 - 120
Acrylonitrile		54.3	µg/L	1	50.0	<0.306	109	75.8 - 121
2-Butanone (MEK)		54.8	µg/L	1	50.0	<0.670	110	43.7 - 117
4-Methyl-2-pentanone (MIBK)		51.5	µg/L	1	50.0	<0.463	103	69.3 - 120
2-Hexanone		62.1	µg/L	1	50.0	<0.303	124	35.6 - 138
trans 1,4-Dichloro-2-butene		61.8	µg/L	1	50.0	<0.407	124	40 - 128
1,1-Dichloroethene		50.0	µg/L	1	50.0	<0.326	100	83.4 - 114
Methylene chloride		47.9	µg/L	1	50.0	<0.375	96	62.6 - 119
MTBE		54.1	µg/L	1	50.0	<0.352	108	70 - 132
trans-1,2-Dichloroethene		50.6	µg/L	1	50.0	<0.322	101	83.3 - 114

continued . . .

[9]Spike recovery out of control limts. Concentration biased high. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethane	54.7	µg/L	1	50.0	<0.324	109	81 - 124
cis-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.331	101	83.8 - 115
2,2-Dichloropropane	60.2	µg/L	1	50.0	<0.440	120	37.9 - 136
1,2-Dichloroethane (EDC)	59.6	µg/L	1	50.0	<0.327	119	67.8 - 131
Chloroform	55.4	µg/L	1	50.0	<0.345	111	75.1 - 125
1,1,1-Trichloroethane	56.3	µg/L	1	50.0	<0.303	113	72.9 - 123
1,1-Dichloropropene	52.2	µg/L	1	50.0	<0.356	104	85.9 - 119
Benzene	49.0	µg/L	1	50.0	<0.356	98	83.5 - 115
Carbon Tetrachloride	55.2	µg/L	1	50.0	<0.342	110	62.7 - 144
1,2-Dichloropropane	50.1	µg/L	1	50.0	<0.366	100	88.8 - 114
Trichloroethene (TCE)	47.4	µg/L	1	50.0	<0.434	95	91.3 - 111
Dibromomethane (methylene bromide)	50.9	µg/L	1	50.0	<0.406	102	84.2 - 118
Bromodichloromethane	54.4	µg/L	1	50.0	<0.325	109	79.5 - 127
2-Chloroethyl vinyl ether	51.4	µg/L	1	50.0	<0.366	103	75.1 - 128
cis-1,3-Dichloropropene	53.7	µg/L	1	50.0	<0.387	107	83.2 - 119
trans-1,3-Dichloropropene	55.8	µg/L	1	50.0	<0.367	112	77.4 - 126
Toluene	49.3	µg/L	1	50.0	<0.366	99	82 - 110
1,1,2-Trichloroethane	49.1	µg/L	1	50.0	<0.397	98	77 - 123
1,3-Dichloropropane	50.7	µg/L	1	50.0	<0.355	101	81.1 - 124
Dibromochloromethane	52.4	µg/L	1	50.0	<0.315	105	79 - 129
1,2-Dibromoethane (EDB)	49.7	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	45.7	µg/L	1	50.0	<0.355	91	36.7 - 173
Chlorobenzene	47.6	µg/L	1	50.0	<0.363	95	87.9 - 109
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.338	102	80.5 - 125
Ethylbenzene	49.6	µg/L	1	50.0	<0.350	99	82.4 - 116
m,p-Xylene	101	µg/L	1	100	<0.752	101	80 - 119
Bromoform	52.4	µg/L	1	50.0	<0.275	105	75.8 - 132
Styrene	50.8	µg/L	1	50.0	<0.395	102	84.2 - 117
o-Xylene	51.8	µg/L	1	50.0	<0.375	104	82.1 - 119
1,1,2,2-Tetrachloroethane	48.7	µg/L	1	50.0	<0.283	97	69.7 - 124
2-Chlorotoluene	50.6	µg/L	1	50.0	<0.445	101	76.5 - 123
1,2,3-Trichloropropane	51.5	µg/L	1	50.0	<0.430	103	66.3 - 130
Isopropylbenzene	50.1	µg/L	1	50.0	<0.521	100	78.3 - 123
Bromobenzene	50.5	µg/L	1	50.0	<0.494	101	79.9 - 122
n-Propylbenzene	50.7	µg/L	1	50.0	<0.483	101	72.6 - 122
1,3,5-Trimethylbenzene	49.3	µg/L	1	50.0	<0.487	99	69.6 - 127
tert-Butylbenzene	48.4	µg/L	1	50.0	<0.496	97	64 - 129
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.532	99	71 - 123
1,4-Dichlorobenzene (para)	46.2	µg/L	1	50.0	<0.413	92	74 - 118
sec-Butylbenzene	48.6	µg/L	1	50.0	<0.449	97	59.8 - 129
1,3-Dichlorobenzene (meta)	46.8	µg/L	1	50.0	<0.451	94	80.2 - 119
p-Isopropyltoluene	48.4	µg/L	1	50.0	<0.450	97	54.8 - 135
4-Chlorotoluene	50.8	µg/L	1	50.0	<0.489	102	78.9 - 124
1,2-Dichlorobenzene (ortho)	46.4	µg/L	1	50.0	<0.438	93	80 - 120
n-Butylbenzene	48.6	µg/L	1	50.0	<0.461	97	51.1 - 136
1,2-Dibromo-3-chloropropane	47.0	µg/L	1	50.0	<0.532	94	38.2 - 151
1,2,3-Trichlorobenzene	39.1	µg/L	1	50.0	<0.288	78	25.4 - 158
1,2,4-Trichlorobenzene	39.7	µg/L	1	50.0	<0.273	79	38.2 - 140
Naphthalene	42.3	µg/L	1	50.0	<0.299	85	33.3 - 152
Hexachlorobutadiene	42.5	µg/L	1	50.0	<0.483	85	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.3	µg/L	1	50.0	<0.351	103	85.7 - 113	1	20
Dichlorodifluoromethane	53.5	µg/L	1	50.0	<0.306	107	60.3 - 134	4	20
Chloromethane (methyl chloride)	60.0	µg/L	1	50.0	<0.240	120	72 - 120	4	20
Vinyl Chloride	53.5	µg/L	1	50.0	<0.224	107	64.4 - 132	1	20
Bromomethane (methyl bromide)	60.1	µg/L	1	50.0	<0.325	120	65.9 - 133	3	20
Chloroethane	58.2	µg/L	1	50.0	<0.303	116	65.3 - 132	2	20
Trichlorofluoromethane	55.1	µg/L	1	50.0	<0.255	110	52.7 - 159	2	20
Acetone	45.7	µg/L	1	50.0	<1.86	91	10 - 185	3	20
Iodomethane (methyl iodide)	49.5	µg/L	1	50.0	<0.397	99	80.9 - 112	2	20
Carbon Disulfide	49.9	µg/L	1	50.0	<0.354	100	73.7 - 120	1	20
Acrylonitrile	57.2	µg/L	1	50.0	<0.306	114	75.8 - 121	5	20
2-Butanone (MEK)	55.6	µg/L	1	50.0	<0.670	111	43.7 - 117	1	20
4-Methyl-2-pentanone (MIBK)	54.3	µg/L	1	50.0	<0.463	109	69.3 - 120	5	20
2-Hexanone	63.2	µg/L	1	50.0	<0.303	126	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	62.4	µg/L	1	50.0	<0.407	125	40 - 128	1	20
1,1-Dichloroethene	50.5	µg/L	1	50.0	<0.326	101	83.4 - 114	1	20
Methylene chloride	48.0	µg/L	1	50.0	<0.375	96	62.6 - 119	0	20
MTBE	55.4	µg/L	1	50.0	<0.352	111	70 - 132	2	20
trans-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.322	101	83.3 - 114	0	20
1,1-Dichloroethane	55.0	µg/L	1	50.0	<0.324	110	81 - 124	0	20
cis-1,2-Dichloroethene	50.7	µg/L	1	50.0	<0.331	101	83.8 - 115	1	20
2,2-Dichloropropane	59.7	µg/L	1	50.0	<0.440	119	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	59.8	µg/L	1	50.0	<0.327	120	67.8 - 131	0	20
Chloroform	55.8	µg/L	1	50.0	<0.345	112	75.1 - 125	1	20
1,1,1-Trichloroethane	56.7	µg/L	1	50.0	<0.303	113	72.9 - 123	1	20
1,1-Dichloropropene	53.0	µg/L	1	50.0	<0.356	106	85.9 - 119	2	20
Benzene	49.0	µg/L	1	50.0	<0.356	98	83.5 - 115	0	20
Carbon Tetrachloride	55.7	µg/L	1	50.0	<0.342	111	62.7 - 144	1	20
1,2-Dichloropropane	50.6	µg/L	1	50.0	<0.366	101	88.8 - 114	1	20
Trichloroethene (TCE)	48.3	µg/L	1	50.0	<0.434	97	91.3 - 111	2	20
Dibromomethane (methylene bromide)	52.4	µg/L	1	50.0	<0.406	105	84.2 - 118	3	20
Bromodichloromethane	55.7	µg/L	1	50.0	<0.325	111	79.5 - 127	2	20
2-Chloroethyl vinyl ether	52.0	µg/L	1	50.0	<0.366	104	75.1 - 128	1	20
cis-1,3-Dichloropropene	54.6	µg/L	1	50.0	<0.387	109	83.2 - 119	2	20
trans-1,3-Dichloropropene	57.0	µg/L	1	50.0	<0.367	114	77.4 - 126	2	20
Toluene	50.5	µg/L	1	50.0	<0.366	101	82 - 110	2	20
1,1,2-Trichloroethane	49.6	µg/L	1	50.0	<0.397	99	77 - 123	1	20
1,3-Dichloropropane	50.7	µg/L	1	50.0	<0.355	101	81.1 - 124	0	20
Dibromochloromethane	53.3	µg/L	1	50.0	<0.315	107	79 - 129	2	20
1,2-Dibromoethane (EDB)	50.8	µg/L	1	50.0	<0.340	102	78.6 - 126	2	20
Tetrachloroethene (PCE)	45.9	µg/L	1	50.0	<0.355	92	36.7 - 173	0	20
Chlorobenzene	47.8	µg/L	1	50.0	<0.363	96	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	51.3	µg/L	1	50.0	<0.338	103	80.5 - 125	0	20
Ethylbenzene	49.9	µg/L	1	50.0	<0.350	100	82.4 - 116	1	20
m,p-Xylene	100	µg/L	1	100	<0.752	100	80 - 119	1	20
Bromoform	53.6	µg/L	1	50.0	<0.275	107	75.8 - 132	2	20
Styrene	51.2	µg/L	1	50.0	<0.395	102	84.2 - 117	1	20
o-Xylene	51.7	µg/L	1	50.0	<0.375	103	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	50.2	µg/L	1	50.0	<0.283	100	69.7 - 124	3	20
2-Chlorotoluene	52.4	µg/L	1	50.0	<0.445	105	76.5 - 123	4	20
1,2,3-Trichloropropane	54.0	µg/L	1	50.0	<0.430	108	66.3 - 130	5	20

continued . . .

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Isopropylbenzene	51.5	µg/L	1	50.0	<0.521	103	78.3 - 123	3	20
Bromobenzene	51.6	µg/L	1	50.0	<0.494	103	79.9 - 122	2	20
n-Propylbenzene	51.8	µg/L	1	50.0	<0.483	104	72.6 - 122	2	20
1,3,5-Trimethylbenzene	51.4	µg/L	1	50.0	<0.487	103	69.6 - 127	4	20
tert-Butylbenzene	50.1	µg/L	1	50.0	<0.496	100	64 - 129	3	20
1,2,4-Trimethylbenzene	50.9	µg/L	1	50.0	<0.532	102	71 - 123	2	20
1,4-Dichlorobenzene (para)	47.4	µg/L	1	50.0	<0.413	95	74 - 118	3	20
sec-Butylbenzene	50.3	µg/L	1	50.0	<0.449	101	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)	48.8	µg/L	1	50.0	<0.451	98	80.2 - 119	4	20
p-Isopropyltoluene	50.4	µg/L	1	50.0	<0.450	101	54.8 - 135	4	20
4-Chlorotoluene	52.7	µg/L	1	50.0	<0.489	105	78.9 - 124	4	20
1,2-Dichlorobenzene (ortho)	48.2	µg/L	1	50.0	<0.438	96	80 - 120	4	20
n-Butylbenzene	50.6	µg/L	1	50.0	<0.461	101	51.1 - 136	4	20
1,2-Dibromo-3-chloropropane	50.4	µg/L	1	50.0	<0.532	101	38.2 - 151	7	20
1,2,3-Trichlorobenzene	42.1	µg/L	1	50.0	<0.288	84	25.4 - 158	7	20
1,2,4-Trichlorobenzene	42.5	µg/L	1	50.0	<0.273	85	38.2 - 140	7	20
Naphthalene	47.1	µg/L	1	50.0	<0.299	94	33.3 - 152	11	20
Hexachlorobutadiene	44.8	µg/L	1	50.0	<0.483	90	49.1 - 134	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	55.3	55.0	µg/L	1	50.0	111	110	82.4 - 115
Toluene-d8	49.5	49.0	µg/L	1	50.0	99	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	52.1	51.4	µg/L	1	50.0	104	103	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39662 Date Analyzed: 2007-08-02 Analyzed By: JG
Prep Batch: 34325 QC Preparation: 2007-08-02 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	47.2	µg/L	1	50.0	<0.351	94	85.7 - 113
Dichlorodifluoromethane	37.8	µg/L	1	50.0	<0.306	76	60.3 - 134
Chloromethane (methyl chloride)	36.6	µg/L	1	50.0	<0.240	73	72 - 120
Vinyl Chloride	37.3	µg/L	1	50.0	<0.224	75	64.4 - 132
Bromomethane (methyl bromide)	40.6	µg/L	1	50.0	<0.325	81	65.9 - 133
Chloroethane	37.6	µg/L	1	50.0	<0.303	75	65.3 - 132
Trichlorofluoromethane	43.4	µg/L	1	50.0	<0.255	87	52.7 - 159
Acetone	45.2	µg/L	1	50.0	<1.86	90	10 - 185
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.397	100	80.9 - 112
Carbon Disulfide	41.5	µg/L	1	50.0	<0.354	83	73.7 - 120
Acrylonitrile	40.5	µg/L	1	50.0	<0.306	81	75.8 - 121
2-Butanone (MEK)	44.9	µg/L	1	50.0	<0.670	90	43.7 - 117
4-Methyl-2-pentanone (MIBK)	49.6	µg/L	1	50.0	<0.463	99	69.3 - 120
2-Hexanone	44.6	µg/L	1	50.0	<0.303	89	35.6 - 138
trans 1,4-Dichloro-2-butene	43.4	µg/L	1	50.0	<0.407	87	40 - 128
1,1-Dichloroethene	45.1	µg/L	1	50.0	<0.326	90	83.4 - 114

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Methylene chloride	39.8	µg/L	1	50.0	<0.375	80	62.6 - 119
MTBE	44.7	µg/L	1	50.0	<0.352	89	70 - 132
trans-1,2-Dichloroethene	44.4	µg/L	1	50.0	<0.322	89	83.3 - 114
1,1-Dichloroethane	41.1	µg/L	1	50.0	<0.324	82	81 - 124
cis-1,2-Dichloroethene	45.6	µg/L	1	50.0	<0.331	91	83.8 - 115
2,2-Dichloropropane	43.8	µg/L	1	50.0	<0.440	88	37.9 - 136
1,2-Dichloroethane (EDC)	37.9	µg/L	1	50.0	<0.327	76	67.8 - 131
Chloroform	40.6	µg/L	1	50.0	<0.345	81	75.1 - 125
1,1,1-Trichloroethane	42.5	µg/L	1	50.0	<0.303	85	72.9 - 123
1,1-Dichloropropene	46.8	µg/L	1	50.0	<0.356	94	85.9 - 119
Benzene	45.4	µg/L	1	50.0	<0.356	91	83.5 - 115
Carbon Tetrachloride	46.1	µg/L	1	50.0	<0.342	92	62.7 - 144
1,2-Dichloropropane	45.2	µg/L	1	50.0	<0.366	90	88.8 - 114
Trichloroethene (TCE)	51.3	µg/L	1	50.0	<0.434	103	91.3 - 111
Dibromomethane (methylene bromide)	45.8	µg/L	1	50.0	<0.406	92	84.2 - 118
Bromodichloromethane	45.5	µg/L	1	50.0	<0.325	91	79.5 - 127
2-Chloroethyl vinyl ether	46.3	µg/L	1	50.0	<0.366	93	75.1 - 128
cis-1,3-Dichloropropene	49.6	µg/L	1	50.0	<0.387	99	83.2 - 119
trans-1,3-Dichloropropene	48.7	µg/L	1	50.0	<0.367	97	77.4 - 126
Toluene	47.4	µg/L	1	50.0	<0.366	95	82 - 110
1,1,2-Trichloroethane	44.9	µg/L	1	50.0	<0.397	90	77 - 123
1,3-Dichloropropane	45.3	µg/L	1	50.0	<0.355	91	81.1 - 124
Dibromochloromethane	50.0	µg/L	1	50.0	<0.315	100	79 - 129
1,2-Dibromoethane (EDB)	49.3	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	50.5	µg/L	1	50.0	<0.355	101	36.7 - 173
Chlorobenzene	48.7	µg/L	1	50.0	<0.363	97	87.9 - 109
1,1,1,2-Tetrachloroethane	48.6	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	47.5	µg/L	1	50.0	<0.350	95	82.4 - 116
m,p-Xylene	95.7	µg/L	1	100	<0.752	96	80 - 119
Bromoform	52.9	µg/L	1	50.0	<0.275	106	75.8 - 132
Styrene	52.3	µg/L	1	50.0	<0.395	105	84.2 - 117
o-Xylene	49.2	µg/L	1	50.0	<0.375	98	82.1 - 119
1,1,2,2-Tetrachloroethane	45.9	µg/L	1	50.0	<0.283	92	69.7 - 124
2-Chlorotoluene	45.8	µg/L	1	50.0	<0.445	92	76.5 - 123
1,2,3-Trichloropropane	43.7	µg/L	1	50.0	<0.430	87	66.3 - 130
Isopropylbenzene	49.7	µg/L	1	50.0	<0.521	99	78.3 - 123
Bromobenzene	43.6	µg/L	1	50.0	<0.494	87	79.9 - 122
n-Propylbenzene	46.9	µg/L	1	50.0	<0.483	94	72.6 - 122
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.487	98	69.6 - 127
tert-Butylbenzene	51.0	µg/L	1	50.0	<0.496	102	64 - 129
1,2,4-Trimethylbenzene	49.2	µg/L	1	50.0	<0.532	98	71 - 123
1,4-Dichlorobenzene (para)	46.9	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene	50.6	µg/L	1	50.0	<0.449	101	59.8 - 129
1,3-Dichlorobenzene (meta)	51.2	µg/L	1	50.0	<0.451	102	80.2 - 119
p-Isopropyltoluene	53.5	µg/L	1	50.0	<0.450	107	54.8 - 135
4-Chlorotoluene	47.2	µg/L	1	50.0	<0.489	94	78.9 - 124
1,2-Dichlorobenzene (ortho)	52.3	µg/L	1	50.0	<0.438	105	80 - 120
n-Butylbenzene	52.3	µg/L	1	50.0	<0.461	105	51.1 - 136
1,2-Dibromo-3-chloropropane	40.3	µg/L	1	50.0	<0.532	81	38.2 - 151
1,2,3-Trichlorobenzene	46.8	µg/L	1	50.0	<0.288	94	25.4 - 158

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2,4-Trichlorobenzene	43.7	µg/L	1	50.0	<0.273	87	38.2 - 140
Naphthalene	45.6	µg/L	1	50.0	<0.299	91	33.3 - 152
Hexachlorobutadiene	57.6	µg/L	1	50.0	<0.483	115	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.0	µg/L	1	50.0	<0.351	100	85.7 - 113	6	20
Dichlorodifluoromethane	40.4	µg/L	1	50.0	<0.306	81	60.3 - 134	7	20
Chloromethane (methyl chloride)	38.6	µg/L	1	50.0	<0.240	77	72 - 120	5	20
Vinyl Chloride	39.2	µg/L	1	50.0	<0.224	78	64.4 - 132	5	20
Bromomethane (methyl bromide)	43.1	µg/L	1	50.0	<0.325	86	65.9 - 133	6	20
Chloroethane	40.0	µg/L	1	50.0	<0.303	80	65.3 - 132	6	20
Trichlorofluoromethane	46.4	µg/L	1	50.0	<0.255	93	52.7 - 159	7	20
Acetone	43.0	µg/L	1	50.0	<1.86	86	10 - 185	5	20
Iodomethane (methyl iodide)	53.1	µg/L	1	50.0	<0.397	106	80.9 - 112	6	20
Carbon Disulfide	44.0	µg/L	1	50.0	<0.354	88	73.7 - 120	6	20
Acrylonitrile	43.1	µg/L	1	50.0	<0.306	86	75.8 - 121	6	20
2-Butanone (MEK)	44.2	µg/L	1	50.0	<0.670	88	43.7 - 117	2	20
4-Methyl-2-pentanone (MIBK)	52.7	µg/L	1	50.0	<0.463	105	69.3 - 120	6	20
2-Hexanone	45.5	µg/L	1	50.0	<0.303	91	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	45.1	µg/L	1	50.0	<0.407	90	40 - 128	4	20
1,1-Dichloroethene	48.0	µg/L	1	50.0	<0.326	96	83.4 - 114	6	20
Methylene chloride	42.6	µg/L	1	50.0	<0.375	85	62.6 - 119	7	20
MTBE	47.2	µg/L	1	50.0	<0.352	94	70 - 132	5	20
trans-1,2-Dichloroethene	47.6	µg/L	1	50.0	<0.322	95	83.3 - 114	7	20
1,1-Dichloroethane	43.9	µg/L	1	50.0	<0.324	88	81 - 124	7	20
cis-1,2-Dichloroethene	48.5	µg/L	1	50.0	<0.331	97	83.8 - 115	6	20
2,2-Dichloropropane	45.7	µg/L	1	50.0	<0.440	91	37.9 - 136	4	20
1,2-Dichloroethane (EDC)	40.6	µg/L	1	50.0	<0.327	81	67.8 - 131	7	20
Chloroform	43.8	µg/L	1	50.0	<0.345	88	75.1 - 125	8	20
1,1,1-Trichloroethane	45.4	µg/L	1	50.0	<0.303	91	72.9 - 123	7	20
1,1-Dichloropropene	49.6	µg/L	1	50.0	<0.356	99	85.9 - 119	6	20
Benzene	48.5	µg/L	1	50.0	<0.356	97	83.5 - 115	7	20
Carbon Tetrachloride	49.2	µg/L	1	50.0	<0.342	98	62.7 - 144	6	20
1,2-Dichloropropane	47.7	µg/L	1	50.0	<0.366	95	88.8 - 114	5	20
Trichloroethene (TCE)	54.5	µg/L	1	50.0	<0.434	109	91.3 - 111	6	20
Dibromomethane (methylene bromide)	48.8	µg/L	1	50.0	<0.406	98	84.2 - 118	6	20
Bromodichloromethane	48.5	µg/L	1	50.0	<0.325	97	79.5 - 127	6	20
2-Chloroethyl vinyl ether	48.8	µg/L	1	50.0	<0.366	98	75.1 - 128	5	20
cis-1,3-Dichloropropene	52.7	µg/L	1	50.0	<0.387	105	83.2 - 119	6	20
trans-1,3-Dichloropropene	51.7	µg/L	1	50.0	<0.367	103	77.4 - 126	6	20
Toluene	50.1	µg/L	1	50.0	<0.366	100	82 - 110	6	20
1,1,2-Trichloroethane	48.1	µg/L	1	50.0	<0.397	96	77 - 123	7	20
1,3-Dichloropropane	47.8	µg/L	1	50.0	<0.355	96	81.1 - 124	5	20
Dibromochloromethane	53.7	µg/L	1	50.0	<0.315	107	79 - 129	7	20
1,2-Dibromoethane (EDB)	52.7	µg/L	1	50.0	<0.340	105	78.6 - 126	7	20
Tetrachloroethene (PCE)	53.8	µg/L	1	50.0	<0.355	108	36.7 - 173	6	20
Chlorobenzene	52.2	µg/L	1	50.0	<0.363	104	87.9 - 109	7	20
1,1,1,2-Tetrachloroethane	52.2	µg/L	1	50.0	<0.338	104	80.5 - 125	7	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	50.8	µg/L	1	50.0	<0.350	102	82.4 - 116	7	20
m,p-Xylene	102	µg/L	1	100	<0.752	102	80 - 119	6	20
Bromoform	56.7	µg/L	1	50.0	<0.275	113	75.8 - 132	7	20
Styrene	56.2	µg/L	1	50.0	<0.395	112	84.2 - 117	7	20
o-Xylene	52.7	µg/L	1	50.0	<0.375	105	82.1 - 119	7	20
1,1,2,2-Tetrachloroethane	48.3	µg/L	1	50.0	<0.283	97	69.7 - 124	5	20
2-Chlorotoluene	48.7	µg/L	1	50.0	<0.445	97	76.5 - 123	6	20
1,2,3-Trichloropropane	46.1	µg/L	1	50.0	<0.430	92	66.3 - 130	5	20
Isopropylbenzene	53.1	µg/L	1	50.0	<0.521	106	78.3 - 123	7	20
Bromobenzene	46.2	µg/L	1	50.0	<0.494	92	79.9 - 122	6	20
n-Propylbenzene	49.8	µg/L	1	50.0	<0.483	100	72.6 - 122	6	20
1,3,5-Trimethylbenzene	52.2	µg/L	1	50.0	<0.487	104	69.6 - 127	6	20
tert-Butylbenzene	54.8	µg/L	1	50.0	<0.496	110	64 - 129	7	20
1,2,4-Trimethylbenzene	52.5	µg/L	1	50.0	<0.532	105	71 - 123	6	20
1,4-Dichlorobenzene (para)	49.8	µg/L	1	50.0	<0.413	100	74 - 118	6	20
sec-Butylbenzene	54.2	µg/L	1	50.0	<0.449	108	59.8 - 129	7	20
1,3-Dichlorobenzene (meta)	54.3	µg/L	1	50.0	<0.451	109	80.2 - 119	6	20
p-Isopropyltoluene	57.1	µg/L	1	50.0	<0.450	114	54.8 - 135	6	20
4-Chlorotoluene	50.5	µg/L	1	50.0	<0.489	101	78.9 - 124	7	20
1,2-Dichlorobenzene (ortho)	55.8	µg/L	1	50.0	<0.438	112	80 - 120	6	20
n-Butylbenzene	55.7	µg/L	1	50.0	<0.461	111	51.1 - 136	6	20
1,2-Dibromo-3-chloropropane	41.9	µg/L	1	50.0	<0.532	84	38.2 - 151	4	20
1,2,3-Trichlorobenzene	50.3	µg/L	1	50.0	<0.288	101	25.4 - 158	7	20
1,2,4-Trichlorobenzene	46.2	µg/L	1	50.0	<0.273	92	38.2 - 140	6	20
Naphthalene	48.7	µg/L	1	50.0	<0.299	97	33.3 - 152	7	20
Hexachlorobutadiene	60.9	µg/L	1	50.0	<0.483	122	49.1 - 134	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	42.8	45.0	µg/L	1	50.0	86	90	82.4 - 115
Toluene-d8	46.3	49.0	µg/L	1	50.0	93	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.5	50.6	µg/L	1	50.0	95	101	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 131340

QC Batch: 39551 Date Analyzed: 2007-07-30 Analyzed By: JG
Prep Batch: 34236 QC Preparation: 2007-07-30 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		55.6	µg/L	1	50.0	<0.0699	111	82.5 - 118
Dichlorodifluoromethane		60.5	µg/L	1	50.0	<0.0598	121	46.8 - 125
Chloromethane (methyl chloride)	[10]	72.4	µg/L	1	50.0	<0.230	145	67.1 - 127
Vinyl Chloride		61.4	µg/L	1	50.0	<0.0902	123	63.7 - 129
Bromomethane (methyl bromide)	[11]	68.8	µg/L	1	50.0	<0.740	138	65.7 - 127

continued ...

[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroethane	[12]	69.2	µg/L	1	50.0	<0.195	138	69.9 - 131
Trichlorofluoromethane		61.3	µg/L	1	50.0	<0.160	123	60.2 - 134
Acetone		50.4	µg/L	1	50.0	<0.854	101	12.1 - 136
Iodomethane (methyl iodide)		50.7	µg/L	1	50.0	<0.112	101	75.7 - 115
Carbon Disulfide		54.6	µg/L	1	50.0	<0.0764	109	67.6 - 131
Acrylonitrile		64.8	µg/L	1	50.0	<0.184	130	79.9 - 131
2-Butanone (MEK)		56.6	µg/L	1	50.0	<0.394	113	28.7 - 137
4-Methyl-2-pentanone (MIBK)		57.0	µg/L	1	50.0	<0.484	114	77.1 - 122
2-Hexanone		72.2	µg/L	1	50.0	<0.0975	144	42.3 - 145
trans 1,4-Dichloro-2-butene		60.3	µg/L	1	50.0	<0.421	121	38.5 - 122
1,1-Dichloroethene		54.3	µg/L	1	50.0	<0.0736	109	78.7 - 119
Methylene chloride		51.9	µg/L	1	50.0	<0.689	104	64.9 - 121
MTBE		61.8	µg/L	1	50.0	<0.0504	124	46.6 - 162
trans-1,2-Dichloroethene		56.0	µg/L	1	50.0	<0.0598	112	75.1 - 119
1,1-Dichloroethane	[13]	62.8	µg/L	1	50.0	<0.0299	126	86.3 - 119
cis-1,2-Dichloroethene		54.8	µg/L	1	50.0	<0.101	110	82.6 - 116
2,2-Dichloropropane		37.4	µg/L	1	50.0	<0.0665	75	7.8 - 109
1,2-Dichloroethane (EDC)	[14]	71.4	µg/L	1	50.0	<0.0557	143	82.7 - 130
Chloroform	[15]	63.8	µg/L	1	50.0	<0.0475	128	83.6 - 119
1,1,1-Trichloroethane	[16]	64.0	µg/L	1	50.0	<0.0846	128	69.6 - 126
1,1-Dichloropropene		57.5	µg/L	1	50.0	<0.0423	115	79.2 - 121
Benzene		54.1	µg/L	1	50.0	<0.0495	108	75.8 - 125
Carbon Tetrachloride		61.2	µg/L	1	50.0	<0.121	122	58.7 - 143
1,2-Dichloropropane		56.0	µg/L	1	50.0	<0.0933	112	88.4 - 117
Trichloroethene (TCE)		49.9	µg/L	1	50.0	<0.0495	100	83.6 - 112
Dibromomethane (methylene bromide)		57.5	µg/L	1	50.0	<0.0640	115	90.7 - 117
Bromodichloromethane		61.8	µg/L	1	50.0	<0.0651	124	83.4 - 127
2-Chloroethyl vinyl ether		57.6	µg/L	1	50.0	<0.0905	115	10 - 211
cis-1,3-Dichloropropene		54.1	µg/L	1	50.0	<0.0640	108	78.6 - 113
trans-1,3-Dichloropropene	[17]	57.8	µg/L	1	50.0	<0.0504	116	81.8 - 113
Toluene		54.5	µg/L	1	50.0	<0.0736	109	81.6 - 115
1,1,2-Trichloroethane		53.8	µg/L	1	50.0	<0.106	108	83.2 - 122
1,3-Dichloropropane		55.8	µg/L	1	50.0	<0.0625	112	87.3 - 123
Dibromochloromethane		55.7	µg/L	1	50.0	<0.0791	111	81.4 - 130
1,2-Dibromoethane (EDB)		52.4	µg/L	1	50.0	<0.0460	105	91.4 - 118
Tetrachloroethene (PCE)		44.9	µg/L	1	50.0	<0.0696	90	51.8 - 111
Chlorobenzene		49.9	µg/L	1	50.0	<0.0217	100	83.9 - 113
1,1,1,2-Tetrachloroethane		54.9	µg/L	1	50.0	<0.125	110	79.5 - 127
Ethylbenzene		53.5	µg/L	1	50.0	<0.0566	107	75.4 - 121
m,p-Xylene		109	µg/L	1	100	<0.0363	109	74 - 124
Bromoform		56.1	µg/L	1	50.0	<0.0859	112	77.5 - 134
Styrene		53.4	µg/L	1	50.0	<0.0394	107	10 - 180
o-Xylene		56.2	µg/L	1	50.0	<0.0504	112	75.4 - 126
1,1,2,2-Tetrachloroethane		54.8	µg/L	1	50.0	<0.0672	110	86.4 - 122
2-Chlorotoluene		54.4	µg/L	1	50.0	<0.0283	109	69.2 - 128

continued . . .

[12] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[13] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[14] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[15] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[16] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[17] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2,3-Trichloropropane	54.0	µg/L	1	50.0	<0.0679	108	75.8 - 121
Isopropylbenzene	52.2	µg/L	1	50.0	<0.0406	104	69.6 - 127
Bromobenzene	54.2	µg/L	1	50.0	<0.103	108	77.1 - 125
n-Propylbenzene	53.2	µg/L	1	50.0	<0.0423	106	67.1 - 125
1,3,5-Trimethylbenzene	52.0	µg/L	1	50.0	<0.0557	104	66.1 - 126
tert-Butylbenzene	50.9	µg/L	1	50.0	<0.0770	102	63.9 - 126
1,2,4-Trimethylbenzene	52.4	µg/L	1	50.0	<0.0336	105	65 - 123
1,4-Dichlorobenzene (para)	48.0	µg/L	1	50.0	<0.0672	96	66.7 - 119
sec-Butylbenzene	51.3	µg/L	1	50.0	<0.0439	103	57.6 - 127
1,3-Dichlorobenzene (meta)	48.9	µg/L	1	50.0	<0.0672	98	78.8 - 118
p-Isopropyltoluene	50.4	µg/L	1	50.0	<0.0513	101	56.6 - 128
4-Chlorotoluene	54.4	µg/L	1	50.0	<0.0460	109	74 - 127
1,2-Dichlorobenzene (ortho)	49.0	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	51.0	µg/L	1	50.0	<0.0400	102	50.4 - 130
1,2-Dibromo-3-chloropropane	50.5	µg/L	1	50.0	<0.538	101	55.7 - 152
1,2,3-Trichlorobenzene	33.7	µg/L	1	50.0	<0.504	67	32.6 - 149
1,2,4-Trichlorobenzene	36.6	µg/L	1	50.0	<0.166	73	35.8 - 144
Naphthalene	35.8	µg/L	1	50.0	<0.417	72	36.7 - 156
Hexachlorobutadiene	40.9	µg/L	1	50.0	<0.176	82	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.0699	104	82.5 - 118	7	20
Dichlorodifluoromethane	55.7	µg/L	1	50.0	<0.0598	111	46.8 - 125	8	20
Chloromethane (methyl chloride) [18]	65.8	µg/L	1	50.0	<0.230	132	67.1 - 127	10	20
Vinyl Chloride	57.1	µg/L	1	50.0	<0.0902	114	63.7 - 129	7	20
Bromomethane (methyl bromide)	62.7	µg/L	1	50.0	<0.740	125	65.7 - 127	9	20
Chloroethane	63.1	µg/L	1	50.0	<0.195	126	69.9 - 131	9	20
Trichlorofluoromethane	57.9	µg/L	1	50.0	<0.160	116	60.2 - 134	6	20
Acetone	46.2	µg/L	1	50.0	<0.854	92	12.1 - 136	9	20
Iodomethane (methyl iodide)	48.4	µg/L	1	50.0	<0.112	97	75.7 - 115	5	20
Carbon Disulfide	51.3	µg/L	1	50.0	<0.0764	103	67.6 - 131	6	20
Acrylonitrile	58.6	µg/L	1	50.0	<0.184	117	79.9 - 131	10	20
2-Butanone (MEK)	50.9	µg/L	1	50.0	<0.394	102	28.7 - 137	11	20
4-Methyl-2-pentanone (MIBK)	52.2	µg/L	1	50.0	<0.484	104	77.1 - 122	9	20
2-Hexanone	64.0	µg/L	1	50.0	<0.0975	128	42.3 - 145	12	20
trans 1,4-Dichloro-2-butene	52.0	µg/L	1	50.0	<0.421	104	38.5 - 122	15	20
1,1-Dichloroethene	51.1	µg/L	1	50.0	<0.0736	102	78.7 - 119	6	20
Methylene chloride	47.8	µg/L	1	50.0	<0.689	96	64.9 - 121	8	20
MTBE	57.5	µg/L	1	50.0	<0.0504	115	46.6 - 162	7	20
trans-1,2-Dichloroethene	52.6	µg/L	1	50.0	<0.0598	105	75.1 - 119	6	20
1,1-Dichloroethane	58.0	µg/L	1	50.0	<0.0299	116	86.3 - 119	8	20
cis-1,2-Dichloroethene	51.9	µg/L	1	50.0	<0.101	104	82.6 - 116	5	20
2,2-Dichloropropane	33.5	µg/L	1	50.0	<0.0665	67	7.8 - 109	11	20
1,2-Dichloroethane (EDC)	65.2	µg/L	1	50.0	<0.0557	130	82.7 - 130	9	20
Chloroform	59.0	µg/L	1	50.0	<0.0475	118	83.6 - 119	8	20
1,1,1-Trichloroethane	59.5	µg/L	1	50.0	<0.0846	119	69.6 - 126	7	20
1,1-Dichloropropene	54.6	µg/L	1	50.0	<0.0423	109	79.2 - 121	5	20

continued . . .

[18] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	50.7	µg/L	1	50.0	<0.0495	101	75.8 - 125	6	20
Carbon Tetrachloride	57.3	µg/L	1	50.0	<0.121	115	58.7 - 143	7	20
1,2-Dichloropropane	52.3	µg/L	1	50.0	<0.0933	105	88.4 - 117	7	20
Trichloroethene (TCE)	48.2	µg/L	1	50.0	<0.0495	96	83.6 - 112	4	20
Dibromomethane (methylene bromide)	53.4	µg/L	1	50.0	<0.0640	107	90.7 - 117	7	20
Bromodichloromethane	57.4	µg/L	1	50.0	<0.0651	115	83.4 - 127	7	20
2-Chloroethyl vinyl ether	53.8	µg/L	1	50.0	<0.0905	108	10 - 211	7	20
cis-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.0640	102	78.6 - 113	6	20
trans-1,3-Dichloropropene	53.4	µg/L	1	50.0	<0.0504	107	81.8 - 113	8	20
Toluene	51.0	µg/L	1	50.0	<0.0736	102	81.6 - 115	7	20
1,1,2-Trichloroethane	50.6	µg/L	1	50.0	<0.106	101	83.2 - 122	6	20
1,3-Dichloropropane	52.6	µg/L	1	50.0	<0.0625	105	87.3 - 123	6	20
Dibromochloromethane	53.6	µg/L	1	50.0	<0.0791	107	81.4 - 130	4	20
1,2-Dibromoethane (EDB)	50.4	µg/L	1	50.0	<0.0460	101	91.4 - 118	4	20
Tetrachloroethene (PCE)	44.8	µg/L	1	50.0	<0.0696	90	51.8 - 111	0	20
Chlorobenzene	48.0	µg/L	1	50.0	<0.0217	96	83.9 - 113	4	20
1,1,1,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.125	104	79.5 - 127	5	20
Ethylbenzene	51.1	µg/L	1	50.0	<0.0566	102	75.4 - 121	5	20
m,p-Xylene	103	µg/L	1	100	<0.0363	103	74 - 124	6	20
Bromoform	53.0	µg/L	1	50.0	<0.0859	106	77.5 - 134	6	20
Styrene	51.0	µg/L	1	50.0	<0.0394	102	10 - 180	5	20
o-Xylene	53.0	µg/L	1	50.0	<0.0504	106	75.4 - 126	6	20
1,1,2,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.0672	100	86.4 - 122	9	20
2-Chlorotoluene	53.1	µg/L	1	50.0	<0.0283	106	69.2 - 128	2	20
1,2,3-Trichloropropane	51.1	µg/L	1	50.0	<0.0679	102	75.8 - 121	6	20
Isopropylbenzene	51.9	µg/L	1	50.0	<0.0406	104	69.6 - 127	1	20
Bromobenzene	52.4	µg/L	1	50.0	<0.103	105	77.1 - 125	3	20
n-Propylbenzene	52.7	µg/L	1	50.0	<0.0423	105	67.1 - 125	1	20
1,3,5-Trimethylbenzene	51.2	µg/L	1	50.0	<0.0557	102	66.1 - 126	2	20
tert-Butylbenzene	49.7	µg/L	1	50.0	<0.0770	99	63.9 - 126	2	20
1,2,4-Trimethylbenzene	50.8	µg/L	1	50.0	<0.0336	102	65 - 123	3	20
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.0672	94	66.7 - 119	2	20
sec-Butylbenzene	50.0	µg/L	1	50.0	<0.0439	100	57.6 - 127	3	20
1,3-Dichlorobenzene (meta)	47.7	µg/L	1	50.0	<0.0672	95	78.8 - 118	2	20
p-Isopropyltoluene	49.5	µg/L	1	50.0	<0.0513	99	56.6 - 128	2	20
4-Chlorotoluene	53.1	µg/L	1	50.0	<0.0460	106	74 - 127	2	20
1,2-Dichlorobenzene (ortho)	47.3	µg/L	1	50.0	<0.0629	95	81.2 - 119	4	20
n-Butylbenzene	49.8	µg/L	1	50.0	<0.0400	100	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane	48.4	µg/L	1	50.0	<0.538	97	55.7 - 152	4	20
1,2,3-Trichlorobenzene	37.3	µg/L	1	50.0	<0.504	75	32.6 - 149	10	20
1,2,4-Trichlorobenzene	38.2	µg/L	1	50.0	<0.166	76	35.8 - 144	4	20
Naphthalene	42.9	µg/L	1	50.0	<0.417	86	36.7 - 156	18	20
Hexachlorobutadiene	41.6	µg/L	1	50.0	<0.176	83	39.6 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane [19] [20]	61.3	57.8	µg/L	1	50	123	116	86.6 - 114

continued ...

[19] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.
[20] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Toluene-d8	51.7	50.1	µg/L	1	50	103	100	91 - 109
4-Bromofluorobenzene (4-BFB)	55.7	53.1	µg/L	1	50	111	106	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch: 39662 Date Analyzed: 2007-08-02 Analyzed By: JG
Prep Batch: 34325 QC Preparation: 2007-08-02 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	50.1	µg/L	1	50.0	<0.0699	100	82.5 - 118
Dichlorodifluoromethane	44.4	µg/L	1	50.0	<0.0598	89	46.8 - 125
Chloromethane (methyl chloride)	46.1	µg/L	1	50.0	<0.230	92	67.1 - 127
Vinyl Chloride	44.6	µg/L	1	50.0	<0.0902	89	63.7 - 129
Bromomethane (methyl bromide)	47.4	µg/L	1	50.0	<0.740	95	65.7 - 127
Chloroethane	46.5	µg/L	1	50.0	<0.195	93	69.9 - 131
Trichlorofluoromethane	50.0	µg/L	1	50.0	<0.160	100	60.2 - 134
Acetone	38.5	µg/L	1	50.0	<0.854	77	12.1 - 136
Iodomethane (methyl iodide)	50.9	µg/L	1	50.0	<0.112	102	75.7 - 115
Carbon Disulfide	46.3	µg/L	1	50.0	<0.0764	93	67.6 - 131
Acrylonitrile	47.0	µg/L	1	50.0	<0.184	94	79.9 - 131
2-Butanone (MEK)	42.8	µg/L	1	50.0	<0.394	86	28.7 - 137
4-Methyl-2-pentanone (MIBK)	49.7	µg/L	1	50.0	<0.484	99	77.1 - 122
2-Hexanone	49.4	µg/L	1	50.0	<0.0975	99	42.3 - 145
trans 1,4-Dichloro-2-butene	42.0	µg/L	1	50.0	<0.421	84	38.5 - 122
1,1-Dichloroethene	48.6	µg/L	1	50.0	<0.0736	97	78.7 - 119
Methylene chloride	43.3	µg/L	1	50.0	<0.689	87	64.9 - 121
MTBE	50.8	µg/L	1	50.0	<0.0504	102	46.6 - 162
trans-1,2-Dichloroethene	48.6	µg/L	1	50.0	<0.0598	97	75.1 - 119
1,1-Dichloroethane	48.6	µg/L	1	50.0	<0.0299	97	86.3 - 119
cis-1,2-Dichloroethene	50.2	µg/L	1	50.0	<0.101	100	82.6 - 116
2,2-Dichloropropane	28.4	µg/L	1	50.0	<0.0665	57	7.8 - 109
1,2-Dichloroethane (EDC)	47.2	µg/L	1	50.0	<0.0557	94	82.7 - 130
Chloroform	48.6	µg/L	1	50.0	<0.0475	97	83.6 - 119
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.0846	99	69.6 - 126
1,1-Dichloropropene	51.0	µg/L	1	50.0	<0.0423	102	79.2 - 121
Benzene	48.9	µg/L	1	50.0	<0.0495	98	75.8 - 125
Carbon Tetrachloride	60.8	µg/L	1	50.0	<0.121	122	58.7 - 143
1,2-Dichloropropane	49.8	µg/L	1	50.0	<0.0933	100	88.4 - 117
Trichloroethene (TCE)	51.0	µg/L	1	50.0	<0.0495	102	83.6 - 112
Dibromomethane (methylene bromide)	50.1	µg/L	1	50.0	<0.0640	100	90.7 - 117
Bromodichloromethane	50.9	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	51.0	µg/L	1	50.0	<0.0905	102	10 - 211
cis-1,3-Dichloropropene	49.4	µg/L	1	50.0	<0.0640	99	78.6 - 113
trans-1,3-Dichloropropene	49.3	µg/L	1	50.0	<0.0504	99	81.8 - 113
Toluene	49.5	µg/L	1	50.0	<0.0736	99	81.6 - 115
1,1,2-Trichloroethane	48.1	µg/L	1	50.0	<0.106	96	83.2 - 122
1,3-Dichloropropane	49.3	µg/L	1	50.0	<0.0625	99	87.3 - 123
Dibromochloromethane	52.8	µg/L	1	50.0	<0.0791	106	81.4 - 130

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromoethane (EDB)	51.2	µg/L	1	50.0	<0.0460	102	91.4 - 118
Tetrachloroethene (PCE)	46.9	µg/L	1	50.0	<0.0696	94	51.8 - 111
Chlorobenzene	49.3	µg/L	1	50.0	<0.0217	99	83.9 - 113
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene	50.1	µg/L	1	50.0	<0.0566	100	75.4 - 121
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124
Bromoform	54.2	µg/L	1	50.0	<0.0859	108	77.5 - 134
Styrene	50.0	µg/L	1	50.0	<0.0394	100	10 - 180
o-Xylene	52.5	µg/L	1	50.0	<0.0504	105	75.4 - 126
1,1,2,2-Tetrachloroethane	48.5	µg/L	1	50.0	<0.0672	97	86.4 - 122
2-Chlorotoluene	48.2	µg/L	1	50.0	<0.0283	96	69.2 - 128
1,2,3-Trichloropropane	45.4	µg/L	1	50.0	<0.0679	91	75.8 - 121
Isopropylbenzene	51.5	µg/L	1	50.0	<0.0406	103	69.6 - 127
Bromobenzene	47.0	µg/L	1	50.0	<0.103	94	77.1 - 125
n-Propylbenzene	49.0	µg/L	1	50.0	<0.0423	98	67.1 - 125
1,3,5-Trimethylbenzene	50.5	µg/L	1	50.0	<0.0557	101	66.1 - 126
tert-Butylbenzene	52.4	µg/L	1	50.0	<0.0770	105	63.9 - 126
1,2,4-Trimethylbenzene	51.1	µg/L	1	50.0	<0.0336	102	65 - 123
1,4-Dichlorobenzene (para)	46.6	µg/L	1	50.0	<0.0672	93	66.7 - 119
sec-Butylbenzene	52.0	µg/L	1	50.0	<0.0439	104	57.6 - 127
1,3-Dichlorobenzene (meta)	50.5	µg/L	1	50.0	<0.0672	101	78.8 - 118
p-Isopropyltoluene	53.3	µg/L	1	50.0	<0.0513	107	56.6 - 128
4-Chlorotoluene	49.1	µg/L	1	50.0	<0.0460	98	74 - 127
1,2-Dichlorobenzene (ortho)	52.2	µg/L	1	50.0	<0.0629	104	81.2 - 119
n-Butylbenzene	52.7	µg/L	1	50.0	<0.0400	105	50.4 - 130
1,2-Dibromo-3-chloropropane	44.1	µg/L	1	50.0	<0.538	88	55.7 - 152
1,2,3-Trichlorobenzene	45.7	µg/L	1	50.0	<0.504	91	32.6 - 149
1,2,4-Trichlorobenzene	40.7	µg/L	1	50.0	<0.166	81	35.8 - 144
Naphthalene	46.1	µg/L	1	50.0	<0.417	92	36.7 - 156
Hexachlorobutadiene	54.2	µg/L	1	50.0	<0.176	108	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	50.4	µg/L	1	50.0	<0.0699	101	82.5 - 118	1	20
Dichlorodifluoromethane	42.7	µg/L	1	50.0	<0.0598	85	46.8 - 125	4	20
Chloromethane (methyl chloride)	43.9	µg/L	1	50.0	<0.230	88	67.1 - 127	5	20
Vinyl Chloride	43.8	µg/L	1	50.0	<0.0902	88	63.7 - 129	2	20
Bromomethane (methyl bromide)	46.0	µg/L	1	50.0	<0.740	92	65.7 - 127	3	20
Chloroethane	45.0	µg/L	1	50.0	<0.195	90	69.9 - 131	3	20
Trichlorofluoromethane	48.6	µg/L	1	50.0	<0.160	97	60.2 - 134	3	20
Acetone	39.7	µg/L	1	50.0	<0.854	79	12.1 - 136	3	20
Iodomethane (methyl iodide)	51.4	µg/L	1	50.0	<0.112	103	75.7 - 115	1	20
Carbon Disulfide	46.5	µg/L	1	50.0	<0.0764	93	67.6 - 131	0	20
Acrylonitrile	48.0	µg/L	1	50.0	<0.184	96	79.9 - 131	2	20
2-Butanone (MEK)	45.0	µg/L	1	50.0	<0.394	90	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	51.8	µg/L	1	50.0	<0.484	104	77.1 - 122	4	20
2-Hexanone	51.2	µg/L	1	50.0	<0.0975	102	42.3 - 145	4	20
trans 1,4-Dichloro-2-butene	42.9	µg/L	1	50.0	<0.421	86	38.5 - 122	2	20
1,1-Dichloroethene	48.8	µg/L	1	50.0	<0.0736	98	78.7 - 119	0	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Methylene chloride	43.3	µg/L	1	50.0	<0.689	87	64.9 - 121	0	20
MTBE	51.3	µg/L	1	50.0	<0.0504	103	46.6 - 162	1	20
trans-1,2-Dichloroethene	49.1	µg/L	1	50.0	<0.0598	98	75.1 - 119	1	20
1,1-Dichloroethane	48.6	µg/L	1	50.0	<0.0299	97	86.3 - 119	0	20
cis-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.101	100	82.6 - 116	0	20
2,2-Dichloropropane	27.2	µg/L	1	50.0	<0.0665	54	7.8 - 109	4	20
1,2-Dichloroethane (EDC)	47.4	µg/L	1	50.0	<0.0557	95	82.7 - 130	0	20
Chloroform	48.4	µg/L	1	50.0	<0.0475	97	83.6 - 119	0	20
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.0846	99	69.6 - 126	0	20
1,1-Dichloropropene	51.3	µg/L	1	50.0	<0.0423	103	79.2 - 121	1	20
Benzene	49.4	µg/L	1	50.0	<0.0495	99	75.8 - 125	1	20
Carbon Tetrachloride	60.9	µg/L	1	50.0	<0.121	122	58.7 - 143	0	20
1,2-Dichloropropane	50.3	µg/L	1	50.0	<0.0933	101	88.4 - 117	1	20
Trichloroethene (TCE)	52.1	µg/L	1	50.0	<0.0495	104	83.6 - 112	2	20
Dibromomethane (methylene bromide)	50.9	µg/L	1	50.0	<0.0640	102	90.7 - 117	2	20
Bromodichloromethane	51.8	µg/L	1	50.0	<0.0651	104	83.4 - 127	2	20
2-Chloroethyl vinyl ether	51.5	µg/L	1	50.0	<0.0905	103	10 - 211	1	20
cis-1,3-Dichloropropene	49.9	µg/L	1	50.0	<0.0640	100	78.6 - 113	1	20
trans-1,3-Dichloropropene	49.7	µg/L	1	50.0	<0.0504	99	81.8 - 113	1	20
Toluene	50.2	µg/L	1	50.0	<0.0736	100	81.6 - 115	1	20
1,1,2-Trichloroethane	49.1	µg/L	1	50.0	<0.106	98	83.2 - 122	2	20
1,3-Dichloropropane	50.0	µg/L	1	50.0	<0.0625	100	87.3 - 123	1	20
Dibromochloromethane	53.5	µg/L	1	50.0	<0.0791	107	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	52.8	µg/L	1	50.0	<0.0460	106	91.4 - 118	3	20
Tetrachloroethene (PCE)	48.0	µg/L	1	50.0	<0.0696	96	51.8 - 111	2	20
Chlorobenzene	50.3	µg/L	1	50.0	<0.0217	101	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane	51.9	µg/L	1	50.0	<0.125	104	79.5 - 127	1	20
Ethylbenzene	50.9	µg/L	1	50.0	<0.0566	102	75.4 - 121	2	20
m,p-Xylene	103	µg/L	1	100	<0.0363	103	74 - 124	2	20
Bromoform	56.2	µg/L	1	50.0	<0.0859	112	77.5 - 134	4	20
Styrene	50.9	µg/L	1	50.0	<0.0394	102	10 - 180	2	20
o-Xylene	53.2	µg/L	1	50.0	<0.0504	106	75.4 - 126	1	20
1,1,2,2-Tetrachloroethane	50.2	µg/L	1	50.0	<0.0672	100	86.4 - 122	3	20
2-Chlorotoluene	49.0	µg/L	1	50.0	<0.0283	98	69.2 - 128	2	20
1,2,3-Trichloropropane	46.7	µg/L	1	50.0	<0.0679	93	75.8 - 121	3	20
Isopropylbenzene	52.4	µg/L	1	50.0	<0.0406	105	69.6 - 127	2	20
Bromobenzene	47.7	µg/L	1	50.0	<0.103	95	77.1 - 125	2	20
n-Propylbenzene	49.7	µg/L	1	50.0	<0.0423	99	67.1 - 125	1	20
1,3,5-Trimethylbenzene	51.3	µg/L	1	50.0	<0.0557	103	66.1 - 126	2	20
tert-Butylbenzene	53.8	µg/L	1	50.0	<0.0770	108	63.9 - 126	3	20
1,2,4-Trimethylbenzene	51.6	µg/L	1	50.0	<0.0336	103	65 - 123	1	20
1,4-Dichlorobenzene (para)	47.6	µg/L	1	50.0	<0.0672	95	66.7 - 119	2	20
sec-Butylbenzene	52.9	µg/L	1	50.0	<0.0439	106	57.6 - 127	2	20
1,3-Dichlorobenzene (meta)	51.6	µg/L	1	50.0	<0.0672	103	78.8 - 118	2	20
p-Isopropyltoluene	54.5	µg/L	1	50.0	<0.0513	109	56.6 - 128	2	20
4-Chlorotoluene	50.2	µg/L	1	50.0	<0.0460	100	74 - 127	2	20
1,2-Dichlorobenzene (ortho)	53.6	µg/L	1	50.0	<0.0629	107	81.2 - 119	3	20
n-Butylbenzene	54.1	µg/L	1	50.0	<0.0400	108	50.4 - 130	3	20
1,2-Dibromo-3-chloropropane	46.2	µg/L	1	50.0	<0.538	92	55.7 - 152	5	20
1,2,3-Trichlorobenzene	50.3	µg/L	1	50.0	<0.504	101	32.6 - 149	10	20

continued . . .

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene	43.8	µg/L	1	50.0	<0.166	88	35.8 - 144	7	20
Naphthalene	50.2	µg/L	1	50.0	<0.417	100	36.7 - 156	8	20
Hexachlorobutadiene	55.3	µg/L	1	50.0	<0.176	111	39.6 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	54.3	47.5	µg/L	1	50	109	95	86.6 - 114
Toluene-d8	52.1	48.1	µg/L	1	50	104	96	91 - 109
4-Bromofluorobenzene (4-BFB) [21]	60.5	50.7	µg/L	1	50	121	101	87.2 - 113

Standard (CCV-1)

QC Batch: 39551 Date Analyzed: 2007-07-30 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	53.4	107	70 - 130	2007-07-30
Dichlorodifluoromethane		µg/L	50.0	56.8	114	70 - 130	2007-07-30
Chloromethane (methyl chloride)		µg/L	50.0	64.9	130	70 - 130	2007-07-30
Vinyl Chloride		µg/L	50.0	56.9	114	80 - 120	2007-07-30
Bromomethane (methyl bromide)		µg/L	50.0	63.9	128	70 - 130	2007-07-30
Chloroethane		µg/L	50.0	62.9	126	70 - 130	2007-07-30
Trichlorofluoromethane		µg/L	50.0	60.0	120	70 - 130	2007-07-30
Acetone		µg/L	50.0	56.5	113	70 - 130	2007-07-30
Iodomethane (methyl iodide)		µg/L	50.0	50.9	102	70 - 130	2007-07-30
Carbon Disulfide		µg/L	50.0	52.9	106	70 - 130	2007-07-30
Acrylonitrile		µg/L	50.0	59.8	120	70 - 130	2007-07-30
2-Butanone (MEK)		µg/L	50.0	61.0	122	70 - 130	2007-07-30
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	54.9	110	70 - 130	2007-07-30
2-Hexanone	[22]	µg/L	50.0	70.2	140	70 - 130	2007-07-30
trans 1,4-Dichloro-2-butene	[23]	µg/L	50.0	68.9	138	70 - 130	2007-07-30
1,1-Dichloroethene		µg/L	50.0	53.2	106	80 - 120	2007-07-30
Methylene chloride		µg/L	50.0	51.0	102	70 - 130	2007-07-30
MTBE		µg/L	50.0	57.7	115	70 - 130	2007-07-30
trans-1,2-Dichloroethene		µg/L	50.0	53.1	106	70 - 130	2007-07-30
1,1-Dichloroethane		µg/L	50.0	58.2	116	70 - 130	2007-07-30
cis-1,2-Dichloroethene		µg/L	50.0	52.6	105	70 - 130	2007-07-30
2,2-Dichloropropane	[24]	µg/L	50.0	65.7	131	70 - 130	2007-07-30
1,2-Dichloroethane (EDC)		µg/L	50.0	64.3	129	70 - 130	2007-07-30
Chloroform		µg/L	50.0	59.9	120	80 - 120	2007-07-30
1,1,1-Trichloroethane		µg/L	50.0	60.3	121	70 - 130	2007-07-30

continued ...

[21] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

[22] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 109 which is within acceptable range. This is acceptable by Method 8000.

[23] trans 1,4-Dichloro-2-butene outside of control limits on CCV(ICV). CCV(ICV) component average is 109 which is within acceptable range. This is acceptable by Method 8000.

[24] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 109 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloropropene		µg/L	50.0	55.4	111	70 - 130	2007-07-30
Benzene		µg/L	50.0	51.3	103	70 - 130	2007-07-30
Carbon Tetrachloride		µg/L	50.0	58.1	116	70 - 130	2007-07-30
1,2-Dichloropropane		µg/L	50.0	53.0	106	80 - 120	2007-07-30
Trichloroethene (TCE)		µg/L	50.0	49.1	98	70 - 130	2007-07-30
Dibromomethane (methylene bromide)		µg/L	50.0	53.9	108	70 - 130	2007-07-30
Bromodichloromethane		µg/L	50.0	57.9	116	70 - 130	2007-07-30
2-Chloroethyl vinyl ether		µg/L	50.0	54.4	109	70 - 130	2007-07-30
cis-1,3-Dichloropropene		µg/L	50.0	57.4	115	70 - 130	2007-07-30
trans-1,3-Dichloropropene		µg/L	50.0	60.4	121	70 - 130	2007-07-30
Toluene		µg/L	50.0	52.1	104	80 - 120	2007-07-30
1,1,2-Trichloroethane		µg/L	50.0	51.0	102	70 - 130	2007-07-30
1,3-Dichloropropane		µg/L	50.0	52.4	105	70 - 130	2007-07-30
Dibromochloromethane		µg/L	50.0	54.0	108	70 - 130	2007-07-30
1,2-Dibromoethane (EDB)		µg/L	50.0	50.6	101	70 - 130	2007-07-30
Tetrachloroethene (PCE)		µg/L	50.0	45.3	91	70 - 130	2007-07-30
Chlorobenzene		µg/L	50.0	48.5	97	80 - 120	2007-07-30
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.5	105	70 - 130	2007-07-30
Ethylbenzene		µg/L	50.0	51.3	103	80 - 120	2007-07-30
m,p-Xylene		µg/L	100	104	104	70 - 130	2007-07-30
Bromoform		µg/L	50.0	54.5	109	70 - 130	2007-07-30
Styrene		µg/L	50.0	52.5	105	70 - 130	2007-07-30
o-Xylene		µg/L	50.0	54.0	108	70 - 130	2007-07-30
1,1,2,2-Tetrachloroethane		µg/L	50.0	51.6	103	70 - 130	2007-07-30
2-Chlorotoluene		µg/L	50.0	52.4	105	70 - 130	2007-07-30
1,2,3-Trichloropropane		µg/L	50.0	54.2	108	70 - 130	2007-07-30
Isopropylbenzene		µg/L	50.0	51.2	102	70 - 130	2007-07-30
Bromobenzene		µg/L	50.0	52.4	105	70 - 130	2007-07-30
n-Propylbenzene		µg/L	50.0	52.0	104	70 - 130	2007-07-30
1,3,5-Trimethylbenzene		µg/L	50.0	51.4	103	70 - 130	2007-07-30
tert-Butylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-07-30
1,2,4-Trimethylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-07-30
1,4-Dichlorobenzene (para)		µg/L	50.0	47.6	95	70 - 130	2007-07-30
sec-Butylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-07-30
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.4	97	70 - 130	2007-07-30
p-Isopropyltoluene		µg/L	50.0	49.8	100	70 - 130	2007-07-30
4-Chlorotoluene		µg/L	50.0	52.7	105	70 - 130	2007-07-30
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.9	96	70 - 130	2007-07-30
n-Butylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-07-30
1,2-Dibromo-3-chloropropane		µg/L	50.0	47.0	94	70 - 130	2007-07-30
1,2,3-Trichlorobenzene	[25]	µg/L	50.0	33.6	67	70 - 130	2007-07-30
1,2,4-Trichlorobenzene		µg/L	50.0	38.2	76	70 - 130	2007-07-30
Naphthalene		µg/L	50.0	35.0	70	70 - 130	2007-07-30
Hexachlorobutadiene		µg/L	50.0	41.0	82	70 - 130	2007-07-30

[25] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 109 which is within acceptable range. This is acceptable by Method 8000.

Standard (CCV-2)

QC Batch: 39551 | Date Analyzed: 2007-07-30 | Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	53.0	106	70 - 130	2007-07-30
Dichlorodifluoromethane		µg/L	50.0	54.0	108	70 - 130	2007-07-30
Chloromethane (methyl chloride)		µg/L	50.0	65.1	130	70 - 130	2007-07-30
Vinyl Chloride		µg/L	50.0	56.0	112	80 - 120	2007-07-30
Bromomethane (methyl bromide)		µg/L	50.0	64.4	129	70 - 130	2007-07-30
Chloroethane		µg/L	50.0	64.2	128	70 - 130	2007-07-30
Trichlorofluoromethane		µg/L	50.0	57.5	115	70 - 130	2007-07-30
Acetone		µg/L	50.0	44.9	90	70 - 130	2007-07-30
Iodomethane (methyl iodide)		µg/L	50.0	48.5	97	70 - 130	2007-07-30
Carbon Disulfide		µg/L	50.0	51.8	104	70 - 130	2007-07-30
Acrylonitrile		µg/L	50.0	61.9	124	70 - 130	2007-07-30
2-Butanone (MEK)		µg/L	50.0	53.6	107	70 - 130	2007-07-30
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	53.8	108	70 - 130	2007-07-30
2-Hexanone	[26]	µg/L	50.0	69.0	138	70 - 130	2007-07-30
trans 1,4-Dichloro-2-butene		µg/L	50.0	62.1	124	70 - 130	2007-07-30
1,1-Dichloroethene		µg/L	50.0	51.5	103	80 - 120	2007-07-30
Methylene chloride		µg/L	50.0	50.8	102	70 - 130	2007-07-30
MTBE		µg/L	50.0	58.5	117	70 - 130	2007-07-30
trans-1,2-Dichloroethene		µg/L	50.0	53.7	107	70 - 130	2007-07-30
1,1-Dichloroethane		µg/L	50.0	59.7	119	70 - 130	2007-07-30
cis-1,2-Dichloroethene		µg/L	50.0	53.2	106	70 - 130	2007-07-30
2,2-Dichloropropane		µg/L	50.0	43.4	87	70 - 130	2007-07-30
1,2-Dichloroethane (EDC)	[27]	µg/L	50.0	68.5	137	70 - 130	2007-07-30
Chloroform	[28]	µg/L	50.0	61.6	123	80 - 120	2007-07-30
1,1,1-Trichloroethane		µg/L	50.0	60.9	122	70 - 130	2007-07-30
1,1-Dichloropropene		µg/L	50.0	54.8	110	70 - 130	2007-07-30
Benzene		µg/L	50.0	51.3	103	70 - 130	2007-07-30
Carbon Tetrachloride		µg/L	50.0	57.7	115	70 - 130	2007-07-30
1,2-Dichloropropane		µg/L	50.0	53.7	107	80 - 120	2007-07-30
Trichloroethene (TCE)		µg/L	50.0	48.0	96	70 - 130	2007-07-30
Dibromomethane (methylene bromide)		µg/L	50.0	54.2	108	70 - 130	2007-07-30
Bromodichloromethane		µg/L	50.0	58.3	117	70 - 130	2007-07-30
2-Chloroethyl vinyl ether		µg/L	50.0	55.2	110	70 - 130	2007-07-30
cis-1,3-Dichloropropene		µg/L	50.0	53.0	106	70 - 130	2007-07-30
trans-1,3-Dichloropropene		µg/L	50.0	57.1	114	70 - 130	2007-07-30
Toluene		µg/L	50.0	52.1	104	80 - 120	2007-07-30
1,1,2-Trichloroethane		µg/L	50.0	52.1	104	70 - 130	2007-07-30
1,3-Dichloropropane		µg/L	50.0	53.6	107	70 - 130	2007-07-30
Dibromochloromethane		µg/L	50.0	54.1	108	70 - 130	2007-07-30
1,2-Dibromoethane (EDB)		µg/L	50.0	50.9	102	70 - 130	2007-07-30
Tetrachloroethene (PCE)		µg/L	50.0	46.2	92	70 - 130	2007-07-30

continued ...

[26] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 107 which is within acceptable range. This is acceptable by Method 8000.

[27] 1,2-Dichloroethane outside of control limits on CCV(ICV). CCV(ICV) component average is 107 which is within acceptable range. This is acceptable by Method 8000.

[28] Chloroform outside of control limits on CCV(ICV). CCV(ICV) component average is 107 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chlorobenzene		µg/L	50.0	48.6	97	80 - 120	2007-07-30
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.7	105	70 - 130	2007-07-30
Ethylbenzene		µg/L	50.0	51.7	103	80 - 120	2007-07-30
m,p-Xylene		µg/L	100	105	105	70 - 130	2007-07-30
Bromoform		µg/L	50.0	54.4	109	70 - 130	2007-07-30
Styrene		µg/L	50.0	52.4	105	70 - 130	2007-07-30
o-Xylene		µg/L	50.0	54.1	108	70 - 130	2007-07-30
1,1,2,2-Tetrachloroethane		µg/L	50.0	52.5	105	70 - 130	2007-07-30
2-Chlorotoluene		µg/L	50.0	52.9	106	70 - 130	2007-07-30
1,2,3-Trichloropropane		µg/L	50.0	53.1	106	70 - 130	2007-07-30
Isopropylbenzene		µg/L	50.0	51.0	102	70 - 130	2007-07-30
Bromobenzene		µg/L	50.0	52.9	106	70 - 130	2007-07-30
n-Propylbenzene		µg/L	50.0	51.5	103	70 - 130	2007-07-30
1,3,5-Trimethylbenzene		µg/L	50.0	51.2	102	70 - 130	2007-07-30
tert-Butylbenzene		µg/L	50.0	49.2	98	70 - 130	2007-07-30
1,2,4-Trimethylbenzene		µg/L	50.0	50.8	102	70 - 130	2007-07-30
1,4-Dichlorobenzene (para)		µg/L	50.0	46.8	94	70 - 130	2007-07-30
sec-Butylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-07-30
1,3-Dichlorobenzene (meta)		µg/L	50.0	47.8	96	70 - 130	2007-07-30
p-Isopropyltoluene		µg/L	50.0	48.6	97	70 - 130	2007-07-30
4-Chlorotoluene		µg/L	50.0	52.6	105	70 - 130	2007-07-30
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.5	95	70 - 130	2007-07-30
n-Butylbenzene		µg/L	50.0	49.0	98	70 - 130	2007-07-30
1,2-Dibromo-3-chloropropane		µg/L	50.0	49.8	100	70 - 130	2007-07-30
1,2,3-Trichlorobenzene	[29]	µg/L	50.0	33.4	67	70 - 130	2007-07-30
1,2,4-Trichlorobenzene		µg/L	50.0	36.7	73	70 - 130	2007-07-30
Naphthalene		µg/L	50.0	34.8	70	70 - 130	2007-07-30
Hexachlorobutadiene		µg/L	50.0	40.3	81	70 - 130	2007-07-30

Standard (CCV-1)

QC Batch: 39662 Date Analyzed: 2007-08-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.6	101	70 - 130	2007-08-02
Dichlorodifluoromethane		µg/L	50.0	42.5	85	70 - 130	2007-08-02
Chloromethane (methyl chloride)		µg/L	50.0	40.0	80	70 - 130	2007-08-02
Vinyl Chloride		µg/L	50.0	41.0	82	80 - 120	2007-08-02
Bromomethane (methyl bromide)		µg/L	50.0	43.7	87	70 - 130	2007-08-02
Chloroethane		µg/L	50.0	41.3	83	70 - 130	2007-08-02
Trichlorofluoromethane		µg/L	50.0	47.4	95	70 - 130	2007-08-02
Acetone		µg/L	50.0	52.5	105	70 - 130	2007-08-02
Iodomethane (methyl iodide)		µg/L	50.0	54.2	108	70 - 130	2007-08-02
Carbon Disulfide		µg/L	50.0	45.1	90	70 - 130	2007-08-02
Acrylonitrile		µg/L	50.0	43.6	87	70 - 130	2007-08-02

continued ...

[29] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 107 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Butanone (MEK)		µg/L	50.0	49.3	99	70 - 130	2007-08-02
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	53.8	108	70 - 130	2007-08-02
2-Hexanone		µg/L	50.0	50.6	101	70 - 130	2007-08-02
trans 1,4-Dichloro-2-butene		µg/L	50.0	47.2	94	70 - 130	2007-08-02
1,1-Dichloroethene		µg/L	50.0	48.8	98	80 - 120	2007-08-02
Methylene chloride		µg/L	50.0	42.9	86	70 - 130	2007-08-02
MTBE		µg/L	50.0	48.4	97	70 - 130	2007-08-02
trans-1,2-Dichloroethene		µg/L	50.0	48.1	96	70 - 130	2007-08-02
1,1-Dichloroethane		µg/L	50.0	44.2	88	70 - 130	2007-08-02
cis-1,2-Dichloroethene		µg/L	50.0	49.0	98	70 - 130	2007-08-02
2,2-Dichloropropane		µg/L	50.0	47.8	96	70 - 130	2007-08-02
1,2-Dichloroethane (EDC)		µg/L	50.0	40.7	81	70 - 130	2007-08-02
Chloroform		µg/L	50.0	44.0	88	80 - 120	2007-08-02
1,1,1-Trichloroethane		µg/L	50.0	45.8	92	70 - 130	2007-08-02
1,1-Dichloropropene		µg/L	50.0	50.1	100	70 - 130	2007-08-02
Benzene		µg/L	50.0	48.6	97	70 - 130	2007-08-02
Carbon Tetrachloride		µg/L	50.0	49.5	99	70 - 130	2007-08-02
1,2-Dichloropropane		µg/L	50.0	48.3	97	80 - 120	2007-08-02
Trichloroethene (TCE)		µg/L	50.0	55.7	111	70 - 130	2007-08-02
Dibromomethane (methylene bromide)		µg/L	50.0	49.4	99	70 - 130	2007-08-02
Bromodichloromethane		µg/L	50.0	49.0	98	70 - 130	2007-08-02
2-Chloroethyl vinyl ether		µg/L	50.0	49.4	99	70 - 130	2007-08-02
cis-1,3-Dichloropropene		µg/L	50.0	53.5	107	70 - 130	2007-08-02
trans-1,3-Dichloropropene		µg/L	50.0	52.5	105	70 - 130	2007-08-02
Toluene		µg/L	50.0	50.8	102	80 - 120	2007-08-02
1,1,2-Trichloroethane		µg/L	50.0	48.5	97	70 - 130	2007-08-02
1,3-Dichloropropane		µg/L	50.0	48.6	97	70 - 130	2007-08-02
Dibromochloromethane		µg/L	50.0	53.6	107	70 - 130	2007-08-02
1,2-Dibromoethane (EDB)		µg/L	50.0	53.5	107	70 - 130	2007-08-02
Tetrachloroethene (PCE)		µg/L	50.0	54.0	108	70 - 130	2007-08-02
Chlorobenzene		µg/L	50.0	52.3	105	80 - 120	2007-08-02
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.5	105	70 - 130	2007-08-02
Ethylbenzene		µg/L	50.0	50.8	102	80 - 120	2007-08-02
m,p-Xylene		µg/L	100	102	102	70 - 130	2007-08-02
Bromoform		µg/L	50.0	57.6	115	70 - 130	2007-08-02
Styrene		µg/L	50.0	56.1	112	70 - 130	2007-08-02
o-Xylene		µg/L	50.0	52.6	105	70 - 130	2007-08-02
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.2	98	70 - 130	2007-08-02
2-Chlorotoluene		µg/L	50.0	48.8	98	70 - 130	2007-08-02
1,2,3-Trichloropropane		µg/L	50.0	47.7	95	70 - 130	2007-08-02
Isopropylbenzene		µg/L	50.0	53.5	107	70 - 130	2007-08-02
Bromobenzene		µg/L	50.0	46.9	94	70 - 130	2007-08-02
n-Propylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-08-02
1,3,5-Trimethylbenzene		µg/L	50.0	52.4	105	70 - 130	2007-08-02
tert-Butylbenzene		µg/L	50.0	55.0	110	70 - 130	2007-08-02
1,2,4-Trimethylbenzene		µg/L	50.0	53.5	107	70 - 130	2007-08-02
1,4-Dichlorobenzene (para)		µg/L	50.0	51.0	102	70 - 130	2007-08-02
sec-Butylbenzene		µg/L	50.0	54.7	109	70 - 130	2007-08-02
1,3-Dichlorobenzene (meta)		µg/L	50.0	55.0	110	70 - 130	2007-08-02

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
p-Isopropyltoluene		µg/L	50.0	57.6	115	70 - 130	2007-08-02
4-Chlorotoluene		µg/L	50.0	50.6	101	70 - 130	2007-08-02
1,2-Dichlorobenzene (ortho)		µg/L	50.0	56.5	113	70 - 130	2007-08-02
n-Butylbenzene		µg/L	50.0	56.2	112	70 - 130	2007-08-02
1,2-Dibromo-3-chloropropane		µg/L	50.0	41.9	84	70 - 130	2007-08-02
1,2,3-Trichlorobenzene		µg/L	50.0	44.6	89	70 - 130	2007-08-02
1,2,4-Trichlorobenzene		µg/L	50.0	44.8	90	70 - 130	2007-08-02
Naphthalene		µg/L	50.0	41.2	82	70 - 130	2007-08-02
Hexachlorobutadiene		µg/L	50.0	60.4	121	70 - 130	2007-08-02

Standard (CCV-2)

QC Batch: 39662 Date Analyzed: 2007-08-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	50.0	100	70 - 130	2007-08-02
Dichlorodifluoromethane		µg/L	50.0	45.8	92	70 - 130	2007-08-02
Chloromethane (methyl chloride)		µg/L	50.0	46.8	94	70 - 130	2007-08-02
Vinyl Chloride		µg/L	50.0	45.4	91	80 - 120	2007-08-02
Bromomethane (methyl bromide)		µg/L	50.0	48.8	98	70 - 130	2007-08-02
Chloroethane		µg/L	50.0	48.0	96	70 - 130	2007-08-02
Trichlorofluoromethane		µg/L	50.0	50.9	102	70 - 130	2007-08-02
Acetone		µg/L	50.0	41.2	82	70 - 130	2007-08-02
Iodomethane (methyl iodide)		µg/L	50.0	50.4	101	70 - 130	2007-08-02
Carbon Disulfide		µg/L	50.0	47.5	95	70 - 130	2007-08-02
Acrylonitrile		µg/L	50.0	48.8	98	70 - 130	2007-08-02
2-Butanone (MEK)		µg/L	50.0	45.0	90	70 - 130	2007-08-02
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.7	105	70 - 130	2007-08-02
2-Hexanone		µg/L	50.0	51.3	103	70 - 130	2007-08-02
trans 1,4-Dichloro-2-butene		µg/L	50.0	46.9	94	70 - 130	2007-08-02
1,1-Dichloroethene		µg/L	50.0	48.9	98	80 - 120	2007-08-02
Methylene chloride		µg/L	50.0	44.9	90	70 - 130	2007-08-02
MTBE		µg/L	50.0	52.0	104	70 - 130	2007-08-02
trans-1,2-Dichloroethene		µg/L	50.0	49.6	99	70 - 130	2007-08-02
1,1-Dichloroethane		µg/L	50.0	49.3	99	70 - 130	2007-08-02
cis-1,2-Dichloroethene		µg/L	50.0	50.5	101	70 - 130	2007-08-02
2,2-Dichloropropane		µg/L	50.0	35.7	71	70 - 130	2007-08-02
1,2-Dichloroethane (EDC)		µg/L	50.0	49.0	98	70 - 130	2007-08-02
Chloroform		µg/L	50.0	49.2	98	80 - 120	2007-08-02
1,1,1-Trichloroethane		µg/L	50.0	50.5	101	70 - 130	2007-08-02
1,1-Dichloropropene		µg/L	50.0	53.0	106	70 - 130	2007-08-02
Benzene		µg/L	50.0	49.9	100	70 - 130	2007-08-02
Carbon Tetrachloride		µg/L	50.0	51.2	102	70 - 130	2007-08-02
1,2-Dichloropropane		µg/L	50.0	51.0	102	80 - 120	2007-08-02
Trichloroethene (TCE)		µg/L	50.0	51.4	103	70 - 130	2007-08-02
Dibromomethane (methylene bromide)		µg/L	50.0	51.3	103	70 - 130	2007-08-02
Bromodichloromethane		µg/L	50.0	52.4	105	70 - 130	2007-08-02

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Chloroethyl vinyl ether		µg/L	50.0	52.1	104	70 - 130	2007-08-02
cis-1,3-Dichloropropene		µg/L	50.0	52.0	104	70 - 130	2007-08-02
trans-1,3-Dichloropropene		µg/L	50.0	52.2	104	70 - 130	2007-08-02
Toluene		µg/L	50.0	50.6	101	80 - 120	2007-08-02
1,1,2-Trichloroethane		µg/L	50.0	49.9	100	70 - 130	2007-08-02
1,3-Dichloropropane		µg/L	50.0	50.7	101	70 - 130	2007-08-02
Dibromochloromethane		µg/L	50.0	53.4	107	70 - 130	2007-08-02
1,2-Dibromoethane (EDB)		µg/L	50.0	52.4	105	70 - 130	2007-08-02
Tetrachloroethene (PCE)		µg/L	50.0	51.7	103	70 - 130	2007-08-02
Chlorobenzene		µg/L	50.0	49.9	100	80 - 120	2007-08-02
1,1,1,2-Tetrachloroethane		µg/L	50.0	51.5	103	70 - 130	2007-08-02
Ethylbenzene		µg/L	50.0	51.0	102	80 - 120	2007-08-02
m,p-Xylene		µg/L	100	104	104	70 - 130	2007-08-02
Bromoform		µg/L	50.0	54.6	109	70 - 130	2007-08-02
Styrene		µg/L	50.0	55.0	110	70 - 130	2007-08-02
o-Xylene		µg/L	50.0	53.9	108	70 - 130	2007-08-02
1,1,2,2-Tetrachloroethane		µg/L	50.0	50.2	100	70 - 130	2007-08-02
2-Chlorotoluene		µg/L	50.0	49.1	98	70 - 130	2007-08-02
1,2,3-Trichloropropane		µg/L	50.0	46.8	94	70 - 130	2007-08-02
Isopropylbenzene		µg/L	50.0	51.1	102	70 - 130	2007-08-02
Bromobenzene		µg/L	50.0	48.1	96	70 - 130	2007-08-02
n-Propylbenzene		µg/L	50.0	49.2	98	70 - 130	2007-08-02
1,3,5-Trimethylbenzene		µg/L	50.0	51.4	103	70 - 130	2007-08-02
tert-Butylbenzene		µg/L	50.0	52.2	104	70 - 130	2007-08-02
1,2,4-Trimethylbenzene		µg/L	50.0	51.4	103	70 - 130	2007-08-02
1,4-Dichlorobenzene (para)		µg/L	50.0	47.0	94	70 - 130	2007-08-02
sec-Butylbenzene		µg/L	50.0	51.9	104	70 - 130	2007-08-02
1,3-Dichlorobenzene (meta)		µg/L	50.0	50.4	101	70 - 130	2007-08-02
p-Isopropyltoluene		µg/L	50.0	53.6	107	70 - 130	2007-08-02
4-Chlorotoluene		µg/L	50.0	50.4	101	70 - 130	2007-08-02
1,2-Dichlorobenzene (ortho)		µg/L	50.0	52.6	105	70 - 130	2007-08-02
n-Butylbenzene		µg/L	50.0	53.5	107	70 - 130	2007-08-02
1,2-Dibromo-3-chloropropane		µg/L	50.0	43.0	86	70 - 130	2007-08-02
1,2,3-Trichlorobenzene		µg/L	50.0	35.6	71	70 - 130	2007-08-02
1,2,4-Trichlorobenzene		µg/L	50.0	37.0	74	70 - 130	2007-08-02
Naphthalene	[30]	µg/L	50.0	33.2	66	70 - 130	2007-08-02
Hexachlorobutadiene		µg/L	50.0	50.0	100	70 - 130	2007-08-02

[30] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

APPENDIX G

TTF Well Abandonment Letter Report

LETTER REPORT

The following letter report was prepared under Contract W9124Q-04-D-0012, TO No. 03.

1. TITLE

Abandonment of monitor and vapor wells associated with SWMU 104, (IRP site WSMR-41)

2. DATE

January 2008

3. INTRODUCTION

The Temperature Test Facility (TTF) was designed to simulate extreme weather conditions in order to test the ability of mechanical equipment to perform in adverse weather. The location of TTF is approximately 2.5 miles east of the Main Post area (NW ¼, NE ¼, section 21, T22S, R5E) and is south of Range Road #2 (Nike Avenue). TTF became fully operational in January of 1984. The remediated contaminant plume is referred to as Solid Waste Management Unit (SWMU) 104, a Post-closure Care Unit, in table A of the New Mexico Environment Department's (NMED) 2006 Annual Fee Letter. The site is also referred to as Solid Waste Management Unit (SWMU) 108 (Methylene Chloride Spill-Vapor Extraction) by the US Army for funding purposes.

4. BACKGROUND

The TTF cooling system was initially filled with methylene chloride (MeCl) which, in July 1983, leaked within TTF prior to completion of construction. Crews flushed the MeCl from the building to a lined evaporation pond. It was later discovered that the pond liner had failed, releasing wastewater containing MeCl and other volatile organic compounds (VOCs) to the subsurface. The quantity of this release is unknown. Also contributing to the subsurface MeCl contamination were releases from faulty valves in a leaking underground interceptor tank. Details of the MeCl contamination and subsequent investigations are documented in both the *Final Contamination Assessment Report* (Geoscience Consultants, Ltd., May 1987) and the *Resource Conservation and Recovery Act (RCRA) Facility Investigation Report* (Woodward-Clyde Federal Services, March 1996).

In 1990, the NMED Hazardous and Radioactive Materials Bureau (HRMB) -- now referred to as the Hazardous Waste Bureau [HWB] -- gave approval for WSMR to install an RCRA subtitle C impermeable cap over the former evaporation pond and surrounding area. Closure certification for the site was granted by NMED-HRMB on 22 October 1991. A post-closure care permit (permit number: NM2750211235-PCC) was then issued on 30 September 1993. The permit required monthly inspection and groundwater level measurements along with semi-annual groundwater monitoring. This permit was effective for 30 years from the date of issue.

WSMR initiated a remedial action at TTF in 1995 with the installation of a soil vapor extraction (SVE) system. The SVE system was effective at removing MeCl and other VOCs from the vadose zone beneath the RCRA cover. WSMR coordinated a formal shutdown of the SVE system with NMED-HWB in October 2002. For 2 years prior to shutdown, VOCs had *not* been detected at any of the sampling locations among the active extraction wells (*Revised Work Plan for the Clean Closure Demonstration*, BAE Systems & WTS, February 2005).

Soil and vapor sampling was conducted for the WSMR TTF Clean Closure Demonstration Project between 17 May and 9 June 2005. The investigation and analytical results are discussed in the *Final Clean Closure Demonstration Report* (URS Group Inc., October 2005). Based on the results of this investigation, WSMR proposed clean closure of SWMU 104/108. In correspondence dated 24 January 2006, NMED stated that "before approval of clean closure can be granted allowing unrestricted land use [WSMR] must address

NMED's concern regarding the potential for subsurface vapors to adversely impact indoor air quality if a building were to be constructed at the site" (correspondence attached).

To address NMED's concern, WSMR conducted risk screening and modeling to evaluate the potential for vapor intrusion to indoor air at the site of the methylene chloride plume identified as SWMU 108 and WSMR-41. Based on the risk screening and Johnson and Ettinger modeling conducted, WSMR identified no unacceptable risks associated with subsurface vapor-phase contamination at the TTF. This modeling was discussed in the *Revised Addendum for the Clean Closure Demonstration Report* (URS Group Inc. & WTS, November 2006).

Via correspondence dated 8 August 2007, WSMR notified NMED-HWB in regards to ceasing all routine monthly monitoring and maintenance activities at TTF, and the abandonment of all remaining monitor and vapor wells associated with SWMU 104. A copy of the correspondence referenced within this report is included as Appendix A.

5. DISCUSSION

The final groundwater monitoring event occurred in November 2006. The next groundwater monitoring event would have taken place in May 2007. WSMR and NMED had verbally agreed that further sampling was not necessary. WSMR continued inspection activities at TTF though June 2007. Inspection forms are included as Appendix B. Abandonment activities took place over 8 days beginning 26 November and concluding 12 December 2007. During the course of abandonment work, 34 well appurtenances were removed and 4,330 feet of well length was backfilled with bentonite/cement grout. Two wells were not abandoned, so they could be utilized for monitoring the regional water table. The two remaining wells are designated "NW" and "E-3;" total depth 254.8 and 233.2 feet below top of casing, respectively. The following table lists the wells which were abandoned.

Well Name	Description (from various documents)	Appurtenance Removed	Depth plugged
95-01	vapor well	1 (nested well)	132
95-01A	vapor well		103
95-01B	vapor well		78
95-02	vapor well	1 (nested well)	139
95-02A	vapor well		124
95-02B	vapor well		106
98-03	vapor well	1	10
98-04	vapor well	1	80
98-05	vapor well	1	80
98-06	vapor well	1	79
A	Located at site, not on initial list	1	80
19	vapor well, galvanized iron pipe	1	79
92-01	vapor well	1	115
ERC-1	vapor well	1	65
23	well, galvanized iron pipe	1	80
11	vapor well, galvanized iron pipe	1	61
16	vapor well, galvanized iron pipe	1	68
18	vapor well, galvanized iron pipe	1	50
25	well, galvanized iron pipe	1	71
14	vapor well, galvanized iron pipe	1	73
29	well, galvanized iron pipe	1	54

Well Name	Description (from various documents)	Appurtenance Removed	Depth plugged
24	well, galvanized iron pipe	1	71
21	vapor well, galvanized iron pipe	1	78
98-01	vapor well	1	80
98-02	vapor well	1	78
E-1	monitor well, PVC	1	230
E-2	monitor well, PVC	1	231
E-4	monitor well, PVC	1	238
92-02	vapor well	1	97
20	vapor well, galvanized iron pipe	1	78
95-03	vapor well	1 (nested well)	128
95-03A	vapor well		107
95-03B	vapor well		80
95-05	vapor well	1 (nested well)	124
95-05A	vapor well		81
95-04A	vapor well	1 (nested well)	66
95-04B	vapor well		111
22	well, galvanized iron pipe	1	78
27	well, galvanized iron pipe, marked "B"	1	78
?	vapor well	1	77
S	well, iron pipe	1	255
Piezometer	PVC well known as NE	1	237
Totals		**34**	**4,330**

6. ANALYSIS

No samples were collected or analyzed for this activity. Analytical results from both groundwater and soil samples can be found in the prior investigative activities summarized in section 4, above.

7. CONCLUSIONS

During the course of abandonment work, 34 well appurtenances were removed and 4,330 feet of well length was backfilled with bentonite/cement grout. Based on visual inspection and records research, no other wells remain except for the two which were purposefully left for regional water table monitoring. The two remaining wells are designated "NW" and "E-3."

8. RECOMMENDATIONS

WTS recommends WSMR continue discussions with NMED relating to the status of remaining SWMUs associated with TTF. The draft RCRA permit published by NMED on 11 June 2007 lists SWMUs located on WSMR. However, the list is not entirely correct regarding SWMU description or regulatory status.

9. WTS TASK MANAGER AND TASK COORDINATOR / PHONE NO.:

Task Manager	Fred Bourger	575-678-3426
Task Coordinator	James Thompson	575-678-1941

APPENDIX A

Correspondence Referenced

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Telephone (505) 428-2500
Fax (505) 428-2567
www.nmenv.state.nm.us

BILL RICHARDSON
GOVERNOR

RON CURRY
SECRETARY

DERRITH WATCHMAN-MOORE
DEPUTY SECRETARY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 24, 2006

Thomas A. Ladd, Director
Environment and Safety Directorate
U.S. Army White Sands Missile Range
White Sands Missile Range, New Mexico 88002-5000

SUBJECT: FINAL CLEAN CLOSURE DEMONSTRATION REPORT FOR THE METHYLENE CHLORIDE SPILL AT THE TEMPERATURE TEST FACILITY WHITE SANDS MISSILE RANGE EPA ID NO. NM2750211235

Dear Mr. Ladd:

The New Mexico Environment Department (NMED) has completed its review of the *Final Clean Closure Report, Methylene Chloride Spill Area, Vapor Extraction at the Temperature Test Facility*, dated October 2005.

Before approval of clean closure can be granted allowing unrestricted land use, White Sands Missile Range (WSMR) must address NMED's concern regarding the potential for subsurface vapors to adversely impact indoor air quality if a building were to be constructed at the site. WSMR must address this concern within 60 days of receipt of this letter. If this issue is addressed to NMED's satisfaction, the TTF will be eligible for clean closure status

In the future, WSMR must present, in their summary tables, soil vapor data in ug/m^3 rather than parts per million vapor (ppmv). NMED compares detected vapor concentrations to the Environmental Protection Agency's (EPA's) Region 6 Human Health Medium-Specific

Screening Levels.
If you have any questions concerning this letter, please contact Cheryl Frischkorn of my staff at 505-428-2550.

Sincerely,

John P. Kieling
Manager
Permits Management Program

JEK:caf

cc: *D. Cobrain, NMED HWB
C. Frischkorn, NMED HWB
L. King, EPA Region 6 (6PD-N)
Jose Gallegos, White Sands Missile Range

File: Reading File & WSMR 2006 File

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Telephone (505) 476-6001
Fax (505) 476-6030
www.nmenv.state.nm.us

BILL RICHARDSON
GOVERNOR

RON CURRY
SECRETARY

CINDY PADILLA
DEPUTY SECRETARY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 6, 2007

Thomas A. Ladd, Director
Environment and Safety Directorate
U.S. Army White Sands Missile Range
White Sands Missile Range, New Mexico 88002-5000

SUBJECT: CLOSURE CERTIFICATION/VERIFICATION
TEMPERATURE TEST FACILITY (TTF)
SOLID WASTE MANAGEMENT UNIT 108
WHITE SANDS MISSILE RANGE
EPA ID NO. NM2750211235

Dear Mr. Ladd:

The New Mexico Environment Department (NMED) has received and reviewed all required closure certification documentation submitted by the Department of the Army (the Permittee) concerning solid waste management unit (SWMU) 108 at the Temperature Test Facility (TTF). NMED has concluded that the Closure Certification Statement and the survey plat for SWMU 108 satisfies the closure requirements specified in 40 CFR 265.115 and 40 CFR 265.116, respectively.

NMED staff visited the TTF to verify closure of the permitted unit in April 26, 2006. NMED has determined that the inspection of the former surface impoundment and the photographs provided by the Permittee sufficiently demonstrate the current condition of the unit. Based on this information, NMED has confirmed the Permittee's completion of closure of the former surface impoundment (SWMU 108) at the TTF.

The Permittee's Closure Certification Statement, dated May 22, 2007 also included SWMU 104. This SWMU is not a regulated unit and, as a result, is not subject to the same closure requirements as SWMU 108.

If you have any questions concerning this letter, please contact Cheryl Frischkorn at 505-476-6058.

Sincerely,

John E. Kieling
Manager
Permits Management Program

cc: D. Cobrain, NMED
C. Frischkorn, NMED
J. Gallegos, WSMR
File: WSMR 2007 File

File Copies:
WSMR-41 Project File
IRP NMED Correspondence File
Admin Record
EC File

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Telephone (505) 476-6001
Fax (505) 476-6030
www.nmenv.state.nm.us

BILL RICHARDSON
GOVERNOR

RON CURRY
SECRETARY

CINDY PADILLA
DEPUTY SECRETARY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 11, 2007

Thomas A. Ladd, Director
Environment and Safety Directorate
U.S. Army White Sands Missile Range
White Sands Missile Range, New Mexico 88002-5000

SUBJECT: CORRECTION
CLOSURE CERTIFICATION/VERIFICATION
TEMPERATURE TEST FACILITY (TTF)
SOLID WASTE MANAGEMENT UNIT 104
WHITE SANDS MISSILE RANGE
EPA ID NO. NM2750211235

Dear Mr. Ladd:

The New Mexico Environment Department (NMED) sent at letter, dated July 6, 2007, that incorrectly identified the regulated unit that was recently closed at the Temperature Test Facility (TTF) as solid waste management unit (SWMU) 108 instead of SWMU 104. This letter corrects the inaccurate information in the July 6, 2007 letter.

The NMED has received and reviewed all required closure certification documentation submitted by the Department of the Army (the Permittee) concerning SWMU 104 at the Temperature Test Facility (TTF). NMED has concluded that the Closure Certification Statement and the survey plat for SWMU 104 satisfies the closure requirements specified in 40 CFR 265.115 and 40 CFR 265.116, respectively.

NMED staff visited the TTF to verify closure of the permitted unit in April 26, 2006. NMED has determined that the inspection of the former surface impoundment and the photographs provided

by the Permittee sufficiently demonstrate the current condition of the unit. Based on this information, NMED has confirmed the Permittee's completion of closure of the former surface impoundment (SWMU 104) at the TTF.

The Permittee's Closure Certification Statement, dated May 22, 2007 also erroneously included SWMU 108. SWMU 108 is not a regulated unit and, as a result, is not subject to the same closure requirements as SWMU 104.

If you have any questions concerning this letter, please contact Cheryl Frischkorn at 505-476-6058.

Sincerely,

John E. Kieling
Manager
Permits Management Program

cc: D. Cobrain, NMED
C. Frischkorn, NMED
J. Gallegos, WSMR
File: WSMR 2007 File

DEPARTMENT OF THE ARMY
U.S. ARMY GARRISON WHITE SANDS
100 Headquarters Avenue
WHITE SANDS MISSILE RANGE, NEW MEXICO 88002-5000

August 8, 2007

REPLY TO
ATTENTION OF

Directorate of Public Works

Mr. James Bearzi
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Subject: Closure Certification/Verification Temperature Test Facility (TTF) Solid Waste Management Unit 104 White Sands Missile Range EPA ID No. NM2750211235 [IRP Site WSMR-41]

Dear Mr. Bearzi:

White Sands Missile Range (WSMR) has received the NMED letter July 11, 2007 with subject as above which provides closure approval for the TTF site (WSMR-41; SWMU 104). Based on the statements therein, WSMR will:

- Immediately cease the routine monthly monitoring and maintenance activities at the site;
- Prepare to abandon the existing on-site monitoring and vapor extraction wells as soon as practicable. This action will complete all planned and required actions at the site.

As discussed previously with Ms. Cheryl Frischkorn of your office, two of the wells are being transferred to the custody of the Range Hydro geologist to serve as long-term groundwater level monitoring points. These wells are outside the former zone of contamination.

The following certification is provided as required by our permit and according to NMAC 20.4.1.900, incorporating 40 CFR 270.11:

> *"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Copies furnished to Ms. Cheryl Frischkorn, NMED-HWB; Mr. Chuck Hendrickson, Region VI EPA; Mr. Bill Davis, U.S. Army Environmental Center; Mr. John Kieling, NMED-HWB; and White Sands Technical Services, LLC.

Should you have any questions regarding this matter, please contact Mr. Jose Gallegos of our Environmental Compliance office at (505) 678-1007.

Sincerely,

Thomas A. Ladd

THOMAS A. LADD
Director, Public Works

APPENDIX B

TTF Inspection Forms

Temperature Test Facility Inspection Form

Date of Inspection: 18 Jan. 2007 **Inspector:** J. Thompson

	Yes	No
1. Gate closed? (Gates allowed open during working hours)	☒	☐
2. Gate locked? (Gates allowed open during working hours)	☒	☐
3. If gate not locked, is lock present?	☒	☐
4. Are keys in TTF key locker (Building #21139)?	☒	☐

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	☒	☐
b. Gates	☒	☐
c. Signs	☒	☐
6. Groundwater monitoring well conditions		
a. Wells locked	☒	☐
b. Concrete pad condition	☒	☐
c. Well covers tight	☒	☐
7. Cap condition		
a. Traffic on cap	☒	☐
b. Weeds on cap	☒	☐
c. Weeds around cap	☒	☐
d. Lack of erosion	☒	☐
e. Drainage ditches clean	☒	☐
f. Animal activity	☒	☐
g. Spotlights on TTF	☒	☐
h. Settlement of cap	☒	☐
i. Trash on cap	☒	☐
8. Benchmark present and clear of debris	☒	☐
9. Vapor extraction wells capped	☒	☐

Inspector's Signature: J. Thompson

Re-inspection date, if necessary: _____

Temperature Test Facility Inspection Form

Date of Inspection: 18 Jan 2007 **Inspector:** J. Thompson

Comments: N/A

Actions Taken: N/A

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained on site for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
- ✓ Cap and well repairs will be conducted with the same materials and construction techniques used during the initial construction. Any modifications to these techniques or materials must be approved in writing by the NMED-HWB.

Temperature Test Facility Inspection Form

Date of Inspection: 15 Feb 2007 **Inspector:** James Thompson

	Yes	No
1. Gate closed? (Gates allowed open during working hours)	X	
2. Gate locked? (Gates allowed open during working hours)	X	
3. If gate not locked, is lock present?	X	
4. Are keys in TTF key locker (Building #21139)?	X	

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	X	
b. Gates	X	
c. Signs	X	
6. Groundwater monitoring well conditions		
a. Wells locked	X	
b. Concrete pad condition	X	
c. Well covers tight	X	
7. Cap condition		
a. Traffic on cap	X	
b. Weeds on cap	X	
c. Weeds around cap	X	
d. Lack of erosion	X	
e. Drainage ditches clean	X	
f. Animal activity	X	
g. Spotlights on TTF	X	
h. Settlement of cap	X	
i. Trash on cap	X	
8. Benchmark present and clear of debris	X	
9. Vapor extraction wells capped	X	

Inspector's Signature: J. Thompson

Re-inspection date, if necessary: —

Temperature Test Facility Inspection Form

Date of Inspection: 15 Feb 2007 **Inspector:** James Thompson

Comments: None

Actions Taken: Cleaned drainage ditch.

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained on site for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
- ✓ Cap and well repairs will be conducted with the same materials and construction techniques used during the initial construction. Any modifications to these techniques or materials must be approved in writing by the NMED-HWB.

Temperature Test Facility Inspection Form

Date of Inspection: 3/15/07 **Inspector:** George ESQUEDA

	Yes	No
1. Gate closed? (Gates allowed open during working hours)	☑	☐
2. Gate locked? (Gates allowed open during working hours)	☑	☐
3. If gate not locked, is lock present?	☑	☐
4. Are keys in TTF key locker (Building #21139)?	☑	☐

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	☑	☐
b. Gates	☑	☐
c. Signs	☑	☐
6. Groundwater monitoring well conditions		
a. Wells locked	☑	☐
b. Concrete pad condition	☑	☐
c. Well covers tight	☑	☐
7. Cap condition		
a. Traffic on cap	☑	☐
b. Weeds on cap	☑	☐
c. Weeds around cap	☑	☐
d. Lack of erosion	☑	☐
e. Drainage ditches clean	☑	☐
f. Animal activity	☑	☐
g. Spotlights on TTF	☑	☐
h. Settlement of cap	☑	☐
i. Trash on cap	☑	☐
8. Benchmark present and clear of debris	☑	☐
9. Vapor extraction wells capped	☑	☐

Inspector's Signature: George Esqueda

Re-inspection date, if necessary: _____

Temperature Test Facility Inspection Form

Date of Inspection: 3/15/07 **Inspector:** George Esqueda

Comments: NONE

Actions Taken:

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained on site for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
- ✓ Cap and well repairs will be conducted with the same materials and construction techniques used during the initial construction. Any modifications to these techniques or materials must be approved in writing by the NMED-HWB.

Temperature Test Facility Inspection Form

Date of Inspection: 4-9-07 **Inspector:** George Esqueda

	Yes	No
1. Gate closed? (Gates allowed open during working hours)	X	
2. Gate locked? (Gates allowed open during working hours)	X	
3. If gate not locked, is lock present?	X	
4. Are keys in TTF key locker (Building #21139)?	X	

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	X	
b. Gates	X	
c. Signs	X	
6. Groundwater monitoring well conditions		
a. Wells locked	X	
b. Concrete pad condition	X	
c. Well covers tight	X	
7. Cap condition		
a. Traffic on cap	X	
b. Weeds on cap	X	
c. Weeds around cap	X	
d. Lack of erosion	X	
e. Drainage ditches clean	X	
f. Animal activity	X	
g. Spotlights on TTF	X	
h. Settlement of cap	X	
i. Trash on cap	X	
8. Benchmark present and clear of debris	X	
9. Vapor extraction wells capped	X	

Inspector's Signature: George Esqueda

Re-inspection date, if necessary: _____

Temperature Test Facility Inspection Form

Date of Inspection: 4-9-07 **Inspector:** George ESQUEDA

Comments: NO NTS

Actions Taken:

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained on site for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
- ✓ Cap and well repairs will be conducted with the same materials and construction techniques used during the initial construction. Any modifications to these techniques or materials must be approved in writing by the NMED-HWB.

Temperature Test Facility Inspection Form

Date of Inspection: 5-2-07 **Inspector:** George Esqueda

	Yes	No
1. Gate closed? (Gates allowed open during working hours)	X	
2. Gate locked? (Gates allowed open during working hours)	X	
3. If gate not locked, is lock present?	X	
4. Are keys in TTF key locker (Building #21139)?	X	

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	X	
b. Gates	X	
c. Signs	X	
6. Groundwater monitoring well conditions		
a. Wells locked	X	
b. Concrete pad condition	X	
c. Well covers tight	X	
7. Cap condition		
a. Traffic on cap	X	
b. Weeds on cap	X	
c. Weeds around cap	X	
d. Lack of erosion		
e. Drainage ditches clean	X	
f. Animal activity	X	
g. Spotlights on TTF	X	
h. Settlement of cap	X	
i. Trash on cap	X	
8. Benchmark present and clear of debris	X	
9. Vapor extraction wells capped	X	

Inspector's Signature: George Esqueda

Re-inspection date, if necessary: _____

Temperature Test Facility Inspection Form

Date of Inspection: 5-2-07 **Inspector:** George Esqueda

Comments: NONE

Actions Taken:

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained on site for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
- ✓ Cap and well repairs will be conducted with the same materials and construction techniques used during the initial construction. Any modifications to these techniques or materials must be approved in writing by the NMED-HWB.

Temperature Test Facility Inspection Form

Date of Inspection: 6/12/07 **Inspector:** George ESQUEDA

	Yes	No
1. Gate closed? (Gates allowed open during working hours)	☑	☐
2. Gate locked? (Gates allowed open during working hours)	☑	☐
3. If gate not locked, is lock present?	☑	☐
4. Are keys in TTF key locker (Building #21139)?	☑	☐

	Satisfactory	Unsatisfactory
5. Fence in condition		
a. Fence	☑	☐
b. Gates	☑	☐
c. Signs	☑	☐
6. Groundwater monitoring well conditions		
a. Wells locked	☑	☐
b. Concrete pad condition	☑	☐
c. Well covers tight	☑	☐
7. Cap condition		
a. Traffic on cap	☑	☐
b. Weeds on cap	☑	☐
c. Weeds around cap	☑	☐
d. Lack of erosion	☑	☐
e. Drainage ditches clean	☑	☐
f. Animal activity	☑	☐
g. Spotlights on TTF	☑	☐
h. Settlement of cap	☑	☐
i. Trash on cap	☑	☐
8. Benchmark present and clear of debris	☑	☐
9. Vapor extraction wells capped	☑	☐

Inspector's Signature: George Esqueda

Re-inspection date, if necessary: _____

Temperature Test Facility Inspection Form

Date of Inspection: 6/12/07 **Inspector:** GEORGE ESQUEDA

Comments: NONE

Actions Taken: N/A

- ✓ All unsatisfactory observations are to be immediately reported to the WSMR Environmental Services Division.
- ✓ All unsatisfactory observations must be fixed and re-inspected within 30 days.
- ✓ One copy of this inspection form will be maintained on site for three years from the date of inspection.
- ✓ One copy of this inspection form shall be kept on file with the WSMR Environmental Services Division for the remainder of the post-closure care period.
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